

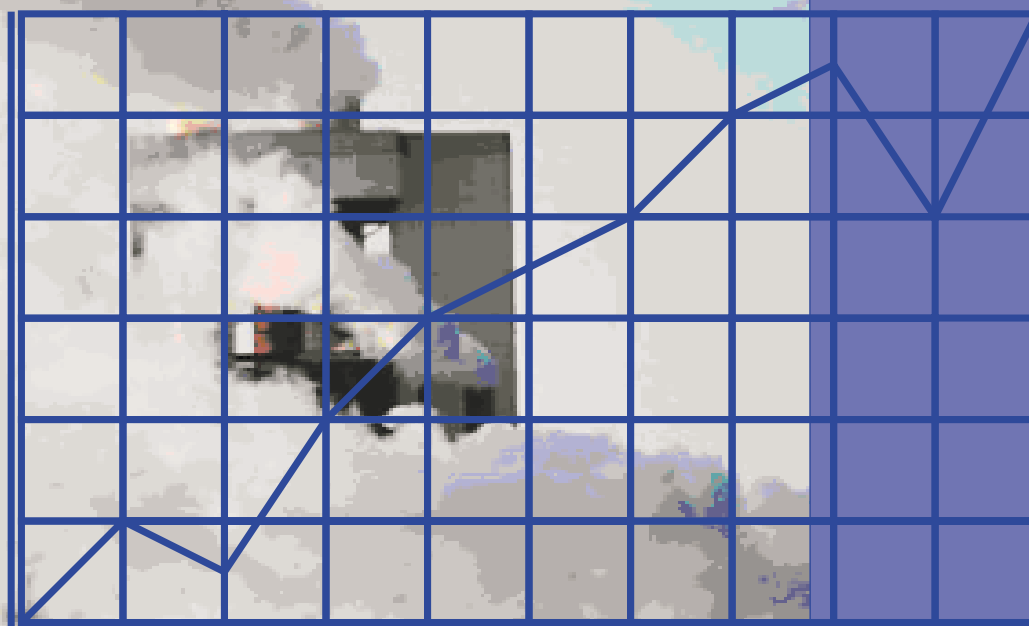
Statistics for Industry Groups and Industries

1999

Issued May 2001

M99(AS)-1 (RV)

Annual Survey of Manufactures



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



ACKNOWLEDGMENTS

The staff of the Manufacturing and Construction Division prepared this report. **Judy M. Dodds**, Assistant Chief for Census and Related Programs, was responsible for the overall planning, management, and coordination. **Robert Reinard**, Chief, Consumer Goods Industries Branch, assisted by **Suzanne Conard**, **Kaylene Hanks**, and **Jim Jamski**, Section Chiefs, **Kenneth Hansen**, Chief, Investment Goods Industries Branch, assisted by **Mike Brown**, **Chris Savage**, and **Milbren Thomas**, Section Chiefs, **Nathaniel Shelton**, Chief, Primary Goods Industries Branch, assisted by **Renee Coley**, **Allen Foreman**, and **Joanna Nguyen**, Section Chiefs, and **Robert Rosati** and **Tom Flood**, Special Assistants, performed the planning and implementation. **Timothy Althouse**, **Stephanie Angel**, **Brian Appert**, **Stanis Batton**, **Chris Blackburn**, **Luis Blanco**, **Larry Blumberg**, **Dana Brooks**, **Phillip Brown**, **Brenda Campbell**, **Dimetros Dammerna**, **Vance Davis**, **Marquita Flemmings**, **Kellie Garner**, **Merry Glascoe**, **Vera Harris-Bourne**, **Karen Harshbarger**, **Nancy Higgins**, **James Hinckley**, **Kimberly Hollingsworth**, **Thomas Hook**, **Richard Hough**, **Walter Hunter**, **Evelyn Jordan**, **Robert Lee**, **John Linehan**, **Paul Marck**, **Keith McKenzie**, **Philippe Morris**, **Betty Pannell**, **Michael Perkinson**, **Deanna Pickerall**, **Noble Potts**, **Aronda Stovall**, **Sue Sundermann**, **Thanos Theodoropoulos**, **Dora Thomas**, **Ann Truffa**, **Ronanne Vinson**, **Keeley Voor**, **Deneth Wallace**, and **Tempie Whittington** provided primary staff assistance.

Paul Hsen, Assistant Chief for Research and Methodology Programs, assisted by **Stacey Cole**, Chief, Manufacturing Programs Methodology Branch, and **Robert Struble**, Section Chief, provided the mathematical and statistical techniques as well as the coverage operations. **Jeffrey Daltzell** and **Cathy Ritenour** provided primary staff assistance.

Mendel D. Gayle, Chief, Forms, Publications, and Customer Services Branch, assisted by **Julius Smith Jr.** and **Baruti Taylor**, Section Chiefs, performed overall coordination of the publication process.

Kim Credito, **Patrick Duck**, **Chip Murph**, **Wanda Sledd**, and **Veronica White** provided primary staff assistance.

The Economic Planning and Coordination Division, **Lawrence A. Blum**, Assistant Chief for Collection Activities and **Beverly M. Eng**, Assistant Chief for Post-Collection Processing, assisted by **Dennis Shoemaker**, Chief, Post-Collection Census Processing Branch, **Brandy Yarbrough**, Section Chief, **Sheila Proudfoot**, **Richard Williamson**, and **Andrew W. Hait** were responsible for developing the systems and procedures for data collection, editing, review, correction and dissemination.

The staff of the National Processing Center, **Judith N. Petty**, Chief, performed mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review.

The Geography Division staff developed geographic coding procedures and associated computer programs.

The Economic Statistical Methods and Programming Division, **Howard Dennis**, Acting Chief, developed and coordinated the computer processing systems. **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, assisted by **Gary T. Sheridan**, Chief, Manufacturing and Construction Branch, and **Edward Johnson**, Section Chief, supervised the preparation of the computer programs and was responsible for the design and implementation of the computer systems.

Computer Services Division, **Kenneth Riccini**, Chief, performed the computer processing.

Kim D. Ottenstein, **Cynthia G. Brooks**, and **Crystal M. Pate** of the Administrative and Customer Services Division, **Walter C. Odom**, Chief, provided publications and printing management, graphics design and composition, and editorial review for print and electronic media. General direction and production management were provided by **Michael G. Garland**, Assistant Chief, and **Gary J. Lauffer**, Chief, Publications Services Branch.

Statistics for Industry Groups and Industries

1999

Issued May 2001

M99(AS)-1 (RV)

Annual Survey of Manufactures



U.S. Department of Commerce
Donald L. Evans,
Secretary

**Economics
and Statistics
Administration**
J. Lee Price,
Acting Under Secretary for
Economic Affairs

U.S. CENSUS BUREAU
William G. Barron, Jr.,
Acting Director



**Economics
and Statistics
Administration**

J. Lee Price,
Acting Under Secretary
for Economic Affairs



U.S. CENSUS BUREAU

William G. Barron, Jr.,
Acting Director

William G. Barron, Jr.,
Deputy Director

Paula J. Schneider,
Principal Associate Director
for Programs

Frederick T. Knickerbocker,
Associate Director
for Economic Programs

Thomas L. Mesenbourg,
Assistant Director
for Economic Programs

William G. Bostic, Jr.,
Chief, Manufacturing
and Construction Division

CONTENTS

Introduction	v
TABLES	
1. Statistics for All Manufacturing Establishments: 1999 and Earlier Years.....	1
2. Statistics for Industry Groups and Industries: 1999 and Earlier Years	2
3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years.....	34
4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years.....	64
5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years	95
6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year ..	126
APPENDIX	
A. Explanation of Terms	A-1
B. Coverage and Methodology.....	B-1

Introduction

SCOPE

The Annual Survey of Manufacturers (ASM) provides sample estimates of statistics for all manufacturing establishments with one or more paid employee. Manufacturing is defined as the mechanical, physical, or chemical transformation of materials or substances into new products. The assembly of components into new products is also considered manufacturing, except when it is appropriately classified as construction.

Establishments in the manufacturing sector are often described as plants, factories, or mills and typically use power-driven machines and materials-handling equipment. Also included in the manufacturing sector are some establishments that make products by hand, like custom tailors and the makers of custom draperies. While manufacturers typically do not sell to the public, some establishments like bakeries and candy stores that make products on the premises may be included.

GENERAL

This report presents manufacturing establishment statistics from the 1999 Annual Survey of Manufactures (ASM). Three reports are issued from this survey.

The report *Statistics for Industry Groups and Industries* presents 1999 and earlier years data at the three-, four-, five-, and six-digit North American Industry Classification System (NAICS) levels. The 1997 data are from the 1997 Economic Census and include revisions made to the data since its initial release. The report also includes a historic table with data for the all-manufacturing level back to 1977. This report includes statistics for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication.

The report *Geographic Area Statistics* presents similar data for each state and the District of Columbia. This report includes statistics at the NAICS three- and four-digit levels for employment, payroll, value added by manufacture, cost of materials consumed, value of shipments, and total capital expenditures. Data for detailed capital expenditures, supplemental labor costs, fuels and electric energy used, and inventories by stage of fabrication are presented at the state level.

The report *Value of Product Shipments* presents shipments data for the 473 six-digit NAICS product groups and approximately 1,500 seven-digit NAICS product classes.

COMPARABILITY WITH HISTORIC DATA

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Another change resulting from the conversion to NAICS is that data for auxiliaries and central administrative offices (CAOs) associated with manufacturers are not presented with the manufacturing data.

It should also be noted that while the Census Bureau published "new capital expenditures" in the past, starting with 1997 it is publishing "total capital expenditures." The historic data presented in this report have been adjusted to be consistent with the new policy.

DISCLOSURE

In accordance with federal law governing census reports (Title 13, United States Code), no data are published that would disclose the operations of an individual company.

The disclosure analysis for the industry statistics files is based on the total value of shipments. When the total value of shipments cannot be shown without disclosing information for individual companies, the complete line is suppressed except for capital expenditures. However, the suppressed data are included in higher-level totals. A separate disclosure analysis is performed for capital expenditures that can be suppressed even though value of shipments data are published.

AVAILABILITY OF MORE FREQUENT MANUFACTURING DATA

The Census Bureau conducts the ASM in each of the 4 years between the economic census which is collected for years ending in 2 and 7. The economic census – manufacturing is the sample frame from which the ASM is chosen and presents more detailed data than the ASM.

In addition, the Census Bureau conducts a Current Industrial Reports (CIR) program. The CIR publishes product statistics for selected manufacturing industries at the U.S. level annually and, in some cases, monthly and/or quarterly.

The Census Bureau also conducts the monthly Manufacturers' Shipments, Inventories, and Orders (M3) program, which publishes detailed statistics for manufacturing industries at the U.S. level.

INDUSTRY CLASSIFICATION OF ESTABLISHMENTS

Each of the establishments canvassed in the ASM was classified in 1 of 473 manufacturing industries in accordance with the industry definitions in the *1997 NAICS Manual*.

In the NAICS system, an industry is generally defined as a group of establishments that have similar production processes. To the extent practical, the system uses supply-based or production-oriented concepts in defining industries. The resulting group of establishments must be significant in terms of number, value added by manufacture, value of shipments, and number of employees.

The coding system works in such a way that the definitions progressively become narrower with successive additions of numerical digits. In the manufacturing sector, there are 21 subsectors (three-digit NAICS), 86 industry groups (four-digit NAICS), 184 NAICS industries (five-digit NAICS) that are comparable with Canadian and Mexican classification, and 473 U.S. industries (six-digit NAICS). Product classes and products of the manufacturing industries have been assigned codes based on the industry from which they primarily originate. In the NAICS system, there are about 1,500 product classes (seven-digit codes), about 6,000 census products, and an additional 3,700 CIR products (ten-digit codes). The ten-digit products are considered the primary products of the industry with the same first six digits.

In the 1997 Economic Census – Manufacturing, all establishments were classified in particular industries based on the products they produced. If an establishment made products of more than one industry, it was classified in the industry with the largest product value. In the census years, there were no resistance rules or frozen industries.

In ASM years, establishments included in the ASM sample with certainty weights are reclassified by industry only if the change in the primary activity from the prior

year is significant or if the change has occurred for two successive years. This procedure prevents reclassification when there are minor shifts in product mix.

In ASM years, establishments included in the ASM sample with noncertainty weight are not shifted from one industry classification to another. They are retained in the industry where they were classified in the base census year. However, in the following census year, these ASM plants are allowed to shift from one industry to another.

The results of these rules covering the switching of plants from one industry classification to another are that some industries comprise different mixes of establishments in different survey years. Hence, comparisons between prior-year and current-year published totals, particularly at the six-digit NAICS level, should be viewed with caution. This is particularly true for the comparison between the data shown for a census year versus the data shown for the previous ASM year.

ESTABLISHMENT BASIS OF REPORTING

The ASM is conducted on an establishment basis. A company operating at more than one location is required to file a separate report for each location or establishment selected in the sample. Companies engaged in distinctly different lines of activity at one location are requested to submit separate reports if the plant records permit such a separation and if the activities are substantial in size.

DUPLICATION IN COST OF MATERIALS AND VALUE OF SHIPMENTS

Data for cost of materials and value of shipments include varying amounts of duplication, especially at higher levels of aggregation. This is because the products of one establishment may be the materials of another. The value added statistics avoid this duplication and are, for most purposes, the best measure for comparing the relative economic importance of industries and geographic areas.

VALUE OF INDUSTRY SHIPMENTS COMPARED WITH VALUE OF PRODUCT SHIPMENTS

The 1997 Economic Census – Manufacturing shows value of shipments data for industries and products. In the industry statistics tables and files, these data represent the total value of shipments of all establishments classified in a particular industry. The data include the shipments of the products classified in the industry (primary to the industry), products classified in other industries (secondary to the industry), and miscellaneous receipts (repair work, sale of scrap, research and development, installation receipts, and resales). Value of product shipments shown in the products statistics tables and files represent the total value of all products shipped that are classified as primary to an industry regardless of the classification of the producing establishment.

DOLLAR VALUES

All dollar values presented are expressed in current dollars. Consequently, when making comparisons with prior years, users of the data should consider the changes in prices that have occurred.

All dollar values are shown in thousands of dollars.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used with the data:

A Standard error of 100 percent or more.

D Withheld to avoid disclosing data of individual companies; data are included in higher level totals.

N Not available or not comparable.

S Withheld because estimates did not meet publication standards.

X Not applicable.

r Revised.

nec Not elsewhere classified.

nsk Not specified by kind.

– Represents zero (page image/print only).

NAICS North American Industry Classification System.

Table 1. Statistics for All Manufacturing Establishments: 1999 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year ¹	Establishments ²		All employees ³		Production workers			Value added by manufacture ⁵ (\$1,000)	Cost of materials (\$1,000)	Value of shipments ⁶ (\$1,000)	Total capital expenditures ⁷ (\$1,000)
	Total	With 20 employees or more	Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)				
1999	N	N	16 711 088	600 089 765	12 010 864	24 484 616	355 895 892	1 967 810 592	2 079 523 310	4 043 275 711	150 196 310
1998	N	N	16 944 977	586 957 735	12 189 519	24 582 584	348 953 570	1 891 265 885	2 018 054 521	3 899 809 755	152 708 100
1997	362 829	119 748	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	151 510 757
1996	N	N	17 326 300	560 518 300	12 167 800	25 010 500	324 495 800	1 749 661 900	1 975 362 100	3 715 428 200	146 467 500
1995	N	N	17 419 200	545 362 700	12 253 100	25 072 000	317 767 500	1 711 442 300	1 897 570 700	3 594 359 600	134 318 100
1994	N	N	17 059 400	522 585 700	11 947 100	24 560 100	304 663 000	1 605 980 000	1 752 735 100	3 348 019 200	118 664 700
1993	N	N	16 943 500	504 363 100	11 726 200	23 845 100	290 293 200	1 483 054 100	1 647 492 600	3 127 620 400	108 628 500
1992	370 912	118 967	16 948 900	494 108 900	11 640 900	23 563 100	281 538 200	1 424 699 700	1 571 773 500	3 004 722 800	110 643 800
1991	N	N	17 081 200	477 174 600	11 652 000	23 383 000	270 601 000	1 341 386 200	1 531 221 300	2 878 164 800	103 152 900
1990	N	N	17 796 200	480 223 500	12 232 700	24 463 300	275 208 400	1 346 970 100	1 574 617 300	2 912 228 500	106 462 800
1989	N	N	18 045 700	470 479 200	12 535 500	24 933 900	273 119 900	1 325 433 600	1 532 330 000	2 840 376 000	101 894 300
1988	N	N	17 989 600	453 309 400	12 438 700	24 815 400	265 147 100	1 269 313 000	1 444 500 900	2 695 432 300	84 706 100
1987	358 952	120 822	17 718 000	428 480 000	12 280 400	24 302 700	251 449 500	1 165 740 800	1 319 844 600	2 475 939 100	85 662 100
1986	N	N	17 086 800	402 466 700	11 765 400	23 178 200	236 599 400	1 035 437 400	1 217 608 600	2 260 314 600	80 795 100
1985	N	N	17 508 300	396 610 500	12 174 400	23 731 600	235 790 800	1 000 142 000	1 276 009 600	2 280 183 800	91 244 900
1984	N	N	17 854 900	384 921 500	12 572 800	24 637 100	231 783 900	983 227 700	1 288 413 600	2 253 429 300	80 659 900
1983	N	N	17 453 100	354 232 200	12 203 000	23 611 600	212 416 400	882 014 500	1 170 237 800	2 045 853 300	67 479 800
1982	348 385	117 959	17 818 100	341 406 200	12 400 600	23 538 300	204 787 200	824 117 700	1 130 142 700	1 960 205 800	77 045 700
1981	N	N	18 919 800	341 319 800	13 542 800	26 233 100	212 200 900	837 506 500	1 193 969 600	2 017 542 500	83 767 000
1980	N	N	19 311 400	316 494 500	13 900 100	26 745 700	198 164 000	773 831 300	1 093 567 600	1 852 668 300	74 624 600
1979	N	N	19 756 500	298 529 100	14 537 800	28 324 300	192 881 500	747 480 500	999 157 500	1 727 214 600	65 796 600
1978	N	N	19 239 400	271 540 900	14 228 700	27 676 500	176 416 800	657 412 000	877 424 700	1 522 937 300	58 346 000
1977	350 757	113 843	18 515 900	242 031 900	13 691 000	26 686 700	157 163 700	585 165 600	782 417 700	1 358 526 400	51 907 300

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM). Also, in census year 1997, collection and publication of census and subsequent ASM data changed from the Standard Industrial Classification (SIC) basis to the North American Industry Classification System (NAICS). For a discussion of the impact of this change on the data, see introductory text.

²Includes establishments with payroll at any time during year. Beginning in census year 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1992 and earlier census years, establishment counts for auxiliaries are excluded.

³Figures include employment and payroll data for employees at manufacturing establishments engaged in nonmanufacturing activities (such as distribution and construction). Beginning in 1997, auxiliary establishments associated with manufacturing companies are classified separately. For 1996 and earlier census years, establishment data for auxiliaries are excluded.

⁴Figures represent average number of production workers for payroll period ended nearest the 12th of March, May, August, and November, plus all other employees for payroll period ended nearest the 12th of March.

⁵Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years in which respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for value added are not comparable to prior years.

⁶Data represent value of shipments for most industries. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229 value of production is shown. For industry 336611, value of work done is shown.

⁷Beginning in 1997, data collected are for total capital expenditures (new and used) only. Prior to 1997, only data for new capital expenditures were shown in this table. 1996 and earlier years data have been adjusted to show total capital expenditures.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—		
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F	
												B
31-33	Manufacturing	1999..	16 711 088	600 089 765	12 010 864	24 484 616	355 895 892	1 967 810 592	2 079 523 310	4 043 275 711	1	1
		1998..	16 944 977	586 957 735	12 189 519	24 582 584	348 953 570	1 891 265 885	2 018 054 521	3 899 809 755	1	1
		1997..	16 805 127	569 808 845	12 065 257	24 183 271	338 267 197	1 825 688 027	2 015 424 556	3 834 700 920	X	X
311	Food mfg	1999..	1 487 833	41 211 228	1 138 841	2 344 969	27 128 143	177 659 127	251 735 800	429 053 499	1	1
		1998..	1 498 667	39 659 857	1 140 157	2 314 849	26 159 910	173 416 414	255 053 796	428 478 276	1	1
		1997..	1 466 956	38 366 240	1 112 307	2 234 216	25 185 751	163 675 301	258 537 984	421 737 017	X	X
3111	Animal food mfg	1999..	48 617	1 605 191	32 515	66 412	949 682	8 282 406	16 533 389	24 772 295	1	3
		1998..	45 537	1 513 953	30 681	63 632	910 864	8 802 413	17 936 134	26 850 923	2	2
		1997..	46 651	1 478 617	30 138	62 625	845 669	8 779 741	18 991 516	27 732 347	X	X
31111	Animal food mfg	1999..	48 617	1 605 191	32 515	66 412	949 682	8 282 406	16 533 389	24 772 295	1	3
		1998..	45 537	1 513 953	30 681	63 632	910 864	8 802 413	17 936 134	26 850 923	2	2
		1997..	46 651	1 478 617	30 138	62 625	845 669	8 779 741	18 991 516	27 732 347	X	X
311111	Dog & cat food mfg	1999..	14 375	557 523	11 105	24 240	380 499	4 263 819	4 315 390	8 564 858	3	4
		1998..	14 088	528 068	10 824	23 958	370 073	4 396 812	4 548 587	8 967 129	1	1
		1997..	13 979	502 207	10 587	23 431	345 400	4 307 078	4 402 139	8 688 239	X	X
311119	Other animal food mfg	1999..	34 242	1 047 668	21 410	42 172	569 183	4 018 588	12 217 999	16 207 437	2	5
		1998..	31 449	985 885	19 857	39 675	540 791	4 405 601	13 387 547	17 883 794	3	4
		1997..	32 672	976 410	19 551	39 194	500 269	4 472 663	14 589 377	19 044 108	X	X
3112	Grain & oilseed milling	1999..	58 647	2 368 764	43 246	95 096	1 636 851	16 539 756	30 236 563	47 094 072	1	1
		1998..	56 957	2 307 268	42 113	93 421	1 600 437	16 161 532	33 906 000	50 033 519	2	1
		1997..	59 243	2 358 554	44 135	97 278	1 644 441	15 867 943	36 216 684	52 075 763	X	X
31121	Flour milling & malt mfg	1999..	17 340	587 078	12 842	27 690	385 936	2 413 664	6 623 949	9 094 579	2	4
		1998..	15 773	565 053	11 549	25 813	377 130	2 690 532	7 541 154	10 236 557	8	3
		1997..	17 877	618 434	13 185	28 430	410 382	2 689 069	8 462 546	11 141 876	X	X
311211	Flour milling	1999..	12 002	409 046	8 876	19 478	271 507	1 665 113	4 630 934	6 314 048	2	5
		1998..	10 892	392 853	8 043	17 993	266 705	1 863 965	5 471 831	7 359 803	11	3
		1997..	12 762	444 182	9 287	20 386	296 258	1 894 615	6 099 513	8 001 978	X	X
311212	Rice milling	1999..	4 389	136 637	3 296	6 781	88 602	626 516	1 597 376	2 240 117	5	5
		1998..	3 637	120 044	2 760	6 199	80 342	601 714	1 662 229	2 257 465	7	4
		1997..	3 805	118 318	2 986	6 277	80 451	587 737	1 810 862	2 364 582	X	X
311213	Malt mfg	1999..	949	41 395	670	1 431	25 827	122 035	395 640	540 413	2	1
		1998..	1 244	52 156	746	1 622	30 083	224 854	407 093	619 289	2	13
		1997..	1 310	55 934	912	1 767	33 673	206 717	552 171	775 316	X	X
31122	Starch & vegetable fats & oils mfg	1999..	26 526	1 030 513	18 197	40 292	643 963	5 882 565	21 042 198	27 187 030	3	1
		1998..	26 308	1 019 136	18 266	40 990	640 150	6 365 935	23 818 000	30 152 704	1	2
		1997..	26 970	1 022 051	19 142	42 829	653 109	6 622 646	25 190 746	31 835 054	X	X
311221	Wet corn milling	1999..	9 112	415 108	5 799	13 108	256 360	2 790 723	4 736 820	7 577 643	7	2
		1998..	9 324	414 259	5 989	13 898	264 133	3 007 261	4 988 033	7 972 104	1	1
		1997..	9 217	422 533	6 372	14 726	274 677	3 071 056	5 361 443	8 455 172	X	X
311222	Soybean processing	1999..	6 547	247 305	4 558	10 178	151 188	1 417 003	9 691 856	11 195 826	1	1
		1998..	6 388	238 814	4 486	10 017	142 989	1 402 993	11 250 793	12 696 171	1	1
		1997..	6 601	229 727	4 560	10 207	140 346	1 623 082	12 449 318	14 036 271	X	X
311223	Other oilseed processing	1999..	1 871	59 807	1 317	2 981	35 127	119 709	1 175 997	1 427 170	8	27
		1998..	2 642	72 330	1 892	4 291	44 404	365 702	1 513 193	1 804 857	1	1
		1997..	2 667	73 451	1 949	4 474	45 528	246 561	1 419 419	1 720 738	X	X
311225	Fats & oils refining & blending	1999..	8 996	308 294	6 524	14 024	201 287	1 555 130	5 437 525	6 986 392	3	3
		1998..	7 954	293 733	5 899	12 785	188 623	1 589 978	6 065 981	7 679 572	1	1
		1997..	8 485	296 340	6 261	13 422	192 558	1 681 947	5 960 566	7 622 873	X	X
31123	Breakfast cereal mfg	1999..	14 781	751 173	12 206	27 115	606 952	8 243 526	2 570 416	10 812 464	1	1
		1998..	14 876	723 079	12 297	26 618	583 158	7 105 065	2 546 846	9 644 259	1	1
		1997..	14 396	718 069	11 808	26 019	580 950	6 556 228	2 563 392	9 098 833	X	X
311230	Breakfast cereal mfg	1999..	14 781	751 173	12 206	27 115	606 952	8 243 526	2 570 416	10 812 464	1	1
		1998..	14 876	723 079	12 297	26 618	583 158	7 105 065	2 546 846	9 644 259	1	1
		1997..	14 396	718 069	11 808	26 019	580 950	6 556 228	2 563 392	9 098 833	X	X
3113	Sugar & confectionery product mfg	1999..	85 699	2 641 879	69 635	143 805	1 883 984	13 090 619	12 190 726	25 106 362	2	1
		1998..	83 886	2 623 450	68 737	138 604	1 832 329	12 945 655	12 660 957	25 443 770	3	1
		1997..	84 876	2 560 362	67 211	135 962	1 768 465	11 876 056	12 370 300	24 114 454	X	X
31131	Sugar mfg	1999..	16 748	641 668	13 265	30 192	473 731	2 327 016	5 046 821	7 269 014	2	1
		1998..	16 638	624 595	13 195	31 060	454 179	2 275 655	5 305 764	7 496 192	1	4
		1997..	16 547	611 488	12 869	29 934	438 761	2 156 119	5 318 013	7 399 171	X	X
311311	Sugarcane mills	1999..	5 095	163 002	3 660	8 342	119 310	698 764	851 546	1 494 809	5	3
		1998..	4 873	158 635	3 478	8 672	104 525	731 108	870 161	1 501 421	1	11
		1997..	4 938	167 589	3 362	8 768	109 506	647 496	872 054	1 457 482	X	X
311312	Cane sugar refining	1999..	4 159	220 169	3 119	7 545	145 039	586 035	2 495 086	3 082 978	1	1
		1998..	3 938	198 015	2 864	7 182	131 442	596 782	2 726 916	3 321 974	1	1
		1997..	3 891	191 663	2 823	6 833	126 215	540 141	2 677 639	3 209 186	X	X
311313	Beet sugar mfg	1999..	7 494	258 497	6 486	14 304	209 383	1 042 216	1 700 189	2 691 227	1	2
		1998..	7 828	267 945	6 853	15 207	218 212	947 765	1 708 687	2 672 796	1	3
		1997..	7 718	252 236	6 684	14 333	203 040	968 482	1 768 320	2 732 503	X	X
31132	Chocolate & confectionery mfg from cacao beans	1999..	9 240	327 090	7 587	14 891	243 965	2 029 468	1 933 224	3 952 132	1	1
		1998..	10 000	361 589	7 909	15 530	252 014	2 520 035	2 149 800	4 576 248	1	1
		1997..	9 946	383 045	7 350	14 366	248 383	1 821 177	1 925 201	3 755 268	X	X
311320	Chocolate & confectionery mfg from cacao beans	1999..	9 240	327 090	7 587	14 891	243 965	2 029 468	1 933 224	3 952 132	1	1
		1998..	10 000	361 589	7 909	15 530	252 014	2 520 035	2 149 800	4 576 248	1	1
		1997..	9 946	383 045	7 350	14 366	248 383	1 821 177	1 925 201	3 755 268	X	X
31133	Confectionery mfg from purchased chocolate	1999..	34 099	895 616	27 858	54 862	643 152	5 418 902	3 168 630	8 536 363	2	2
		1998..	29 859	865 521	25 870	50 073	615 745	4 856 856	3 136 235	8 010 409	9	2
		1997..	32 871	856 440	26 670	52 257	605 617	4 815 479	3 126 892	7 879 752	X	X
311330	Confectionery mfg from purchased chocolate	1999..	34 099	895 616	27 858	54 862	643 152	5 418 902	3 168 630	8 536 363	2	2
		1998..	29 859	865 521	25 870	50 073	615 745	4 856 856</				

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
311	Food mfg—Con.										
3113	Sugar & confectionery product mfg—Con.										
31134	Nonchocolate confectionery mfg.....	1999.. 25 613	777 505	20 925	43 861	523 136	3 315 233	2 042 053	5 348 853	5	2
		1998.. 27 389	771 744	21 764	41 941	510 390	3 293 108	2 069 158	5 360 921	1	1
		1997.. 25 512	709 389	20 322	39 405	475 704	3 083 281	2 000 194	5 080 263	X	X
311340	Nonchocolate confectionery mfg.....	1999.. 25 613	777 505	20 925	43 861	523 136	3 315 233	2 042 053	5 348 853	5	2
		1998.. 27 389	771 744	21 764	41 941	510 390	3 293 108	2 069 158	5 360 921	1	1
		1997.. 25 512	709 389	20 322	39 405	475 704	3 083 281	2 000 194	5 080 263	X	X
3114	Fruit & vegetable preserving & specialty food mfg.....	1999.. 180 364	5 034 705	154 073	310 301	3 648 470	25 064 417	24 372 788	49 373 199	1	1
		1998.. 189 160	4 943 653	158 175	318 481	3 604 147	24 733 117	24 313 619	49 097 713	1	1
		1997.. 191 576	4 884 327	160 480	316 216	3 537 478	23 360 633	23 223 370	46 618 107	X	X
31141	Frozen food mfg.....	1999.. 92 765	2 359 978	79 761	155 989	1 705 799	10 433 039	10 289 669	20 741 588	1	1
		1998.. 96 753	2 286 935	81 537	159 503	1 677 037	10 549 572	10 453 498	20 976 865	1	1
		1997.. 94 192	2 192 511	80 207	154 464	1 596 889	9 876 210	9 772 579	19 691 664	X	X
311411	Frozen fruit, juice, & vegetable mfg ..	1999.. 44 521	1 079 764	38 563	75 651	796 478	4 376 576	4 991 328	9 382 242	1	2
		1998.. 49 461	1 101 281	41 499	82 260	828 926	4 748 750	5 133 536	9 862 524	2	1
		1997.. 46 295	1 047 390	40 130	77 362	790 742	4 507 930	4 995 138	9 549 256	X	X
311412	Frozen specialty food mfg ..	1999.. 48 244	1 280 215	41 198	80 338	909 321	6 056 462	5 298 342	11 359 345	1	1
		1998.. 47 291	1 185 654	40 038	77 243	848 111	5 800 821	5 319 961	11 114 342	1	1
		1997.. 47 897	1 145 121	40 077	77 102	806 147	5 368 280	4 777 441	10 142 408	X	X
31142	Fruit & vegetable canning, pickling, & drying ..	1999.. 87 598	2 674 727	74 312	154 311	1 942 671	14 631 378	14 083 118	28 631 611	3	2
		1998.. 92 407	2 656 718	76 638	158 979	1 927 110	14 183 546	13 860 121	28 120 448	1	1
		1997.. 97 384	2 691 816	80 273	161 752	1 940 589	13 484 423	13 450 791	26 926 843	X	X
311421	Fruit & vegetable canning.....	1999.. 58 830	1 787 650	50 283	103 846	1 291 206	7 861 742	9 607 549	17 410 286	4	3
		1998.. 63 526	1 758 331	53 049	109 409	1 276 359	7 520 952	9 328 313	16 878 471	1	1
		1997.. 63 612	1 709 578	52 561	105 423	1 230 906	6 940 605	8 877 038	15 801 279	X	X
311422	Specialty canning.....	1999.. 15 816	512 213	13 316	27 555	396 668	5 334 037	2 732 780	8 070 575	3	2
		1998.. 16 156	536 661	13 084	28 716	408 771	5 375 221	2 918 936	8 293 179	1	1
		1997.. 19 157	602 615	15 880	33 399	456 780	5 185 647	2 864 243	8 051 059	X	X
311423	Dried & dehydrated food mfg.....	1999.. 12 953	374 863	10 713	22 911	254 797	1 435 599	1 742 789	3 150 750	3	4
		1998.. 12 725	361 725	10 505	20 853	241 980	1 287 373	1 612 872	2 949 198	2	4
		1997.. 14 615	379 623	11 832	22 930	252 903	1 358 171	1 709 510	3 074 105	X	X
3115	Dairy product mfg ..	1999.. 130 828	4 302 842	86 946	179 989	2 588 599	18 998 920	43 295 899	62 326 719	1	1
		1998.. 132 765	4 202 894	86 159	181 230	2 470 432	18 873 228	43 789 308	62 479 070	1	2
		1997.. 131 868	4 139 799	84 607	179 038	2 409 530	17 621 758	41 061 093	58 670 293	X	X
31151	Dairy product (except frozen) mfg ..	1999.. 110 638	3 679 505	72 477	150 667	2 167 561	16 702 308	40 010 746	56 748 904	1	1
		1998.. 112 642	3 574 639	71 719	151 276	2 056 413	16 619 432	40 098 600	56 522 584	1	2
		1997.. 112 082	3 533 105	70 363	148 903	2 018 627	15 071 625	37 748 615	52 812 358	X	X
311511	Fluid milk mfg ..	1999.. 56 809	1 938 366	30 385	65 441	969 989	7 112 753	16 301 159	23 414 227	2	1
		1998.. 57 413	1 907 404	30 290	65 585	945 398	6 715 279	16 542 485	23 247 151	1	2
		1997.. 57 638	1 897 820	30 017	64 775	931 111	6 284 684	15 718 803	21 995 148	X	X
311512	Creamery butter mfg ..	1999.. 1 605	53 096	1 091	2 400	33 677	230 789	1 192 707	1 420 694	2	3
		1998.. 1 738	57 012	1 058	2 235	32 258	260 264	1 342 841	1 600 499	2	2
		1997.. 1 827	56 524	1 138	2 377	32 564	241 876	1 133 899	1 367 548	X	X
311513	Cheese mfg ..	1999.. 35 452	1 080 848	30 467	60 720	844 522	4 961 284	17 507 104	22 515 032	3	2
		1998.. 36 566	1 001 062	29 677	60 270	759 402	5 402 961	17 257 062	22 553 035	1	5
		1997.. 36 543	1 005 266	29 019	59 587	744 368	4 376 509	15 858 773	20 232 146	X	X
311514	Dry, condensed, & evaporated dairy product mfg.....	1999.. 16 772	607 195	10 534	22 106	319 373	4 397 482	5 009 776	9 398 951	3	3
		1998.. 16 925	609 160	10 694	23 186	319 356	4 240 928	4 956 213	9 121 869	2	3
		1997.. 16 074	573 495	10 189	22 164	310 584	4 168 556	5 037 140	9 217 542	X	X
31152	Ice cream & frozen dessert mfg ..	1999.. 20 190	623 337	14 469	29 322	421 038	2 296 612	3 285 153	5 577 816	2	2
		1998.. 20 123	628 255	14 440	29 954	414 019	2 253 796	3 690 707	5 956 516	1	4
		1997.. 19 786	606 694	14 244	30 135	390 903	2 550 133	3 312 478	5 857 909	X	X
311520	Ice cream & frozen dessert mfg ..	1999.. 20 190	623 337	14 469	29 322	421 038	2 296 612	3 285 153	5 577 816	2	2
		1998.. 20 123	628 255	14 440	29 954	414 019	2 253 796	3 690 707	5 956 516	1	4
		1997.. 19 786	606 694	14 244	30 135	390 903	2 550 133	3 312 478	5 857 909	X	X
3116	Meat product mfg.....	1999.. 477 341	11 164 344	412 326	879 743	8 515 487	34 083 950	78 190 804	111 970 309	1	1
		1998.. 468 008	10 458 451	401 228	843 885	8 037 862	32 171 147	77 034 101	109 414 474	1	1
		1997.. 464 991	9 917 710	397 935	818 777	7 577 675	30 172 670	82 899 684	112 979 006	X	X
31161	Animal slaughtering & processing.....	1999.. 477 341	11 164 344	412 326	879 743	8 515 487	34 083 950	78 190 804	111 970 309	1	1
		1998.. 468 008	10 458 451	401 228	843 885	8 037 862	32 171 147	77 034 101	109 414 474	1	1
		1997.. 464 991	9 917 710	397 935	818 777	7 577 675	30 172 670	82 899 684	112 979 006	X	X
311611	Animal (except poultry) slaughtering ..	1999.. 142 638	3 619 382	123 589	288 642	2 842 803	9 722 382	43 082 463	52 717 340	1	2
		1998.. 139 986	3 391 640	121 262	276 093	2 688 721	8 088 824	41 834 282	50 039 427	1	1
		1997.. 141 882	3 245 551	121 122	265 166	2 524 092	8 589 698	45 718 375	54 284 253	X	X
311612	Meat processed from carcasses ..	1999.. 98 517	2 785 669	78 680	172 471	1 877 856	9 180 624	15 902 032	25 020 774	1	2
		1998.. 94 420	2 569 379	74 805	157 133	1 736 036	9 020 741	15 420 709	24 415 996	1	1
		1997.. 90 002	2 347 336	72 029	145 714	1 591 598	8 242 526	15 995 769	24 260 511	X	X
311613	Rendering & meat byproduct processing.....	1999.. 9 025	292 497	4 998	11 070	141 434	980 944	935 260	1 916 345	2	6
		1998.. 8 704	273 286	5 120	10 008	145 617	1 166 516	1 124 906	2 285 306	2	4
		1997.. 8 798	268 952	5 033	10 572	128 710	1 254 647	1 311 993	2 556 547	X	X
311615	Poultry processing ..	1999.. 227 161	4 466 796	205 059	407 560	3 653 394	14 200 001	18 271 050	32 315 850	1	1
		1998.. 224 898	4 224 147	200 041	400 652	3 467 487	13 895 067	18 654 205	32 673 744	1	1
		1997.. 224 309	4 055 871	199 751	397 325	3 333 275	12 085 799	19 873 547	31 877 695	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
311	Food mfg—Con.										
3117	Seafood product preparation & packaging	1999.. 41 426	938 300	33 717	65 428	617 582	2 722 768	5 242 993	7 967 308	4	4
		1998.. 42 200	894 997	35 224	62 462	619 067	2 954 624	4 693 830	7 643 543	2	5
		1997.. 40 763	886 350	33 483	63 231	605 813	2 512 047	4 412 177	6 919 210	X	X
31171	Seafood product preparation & packaging	1999.. 41 426	938 300	33 717	65 428	617 582	2 722 768	5 242 993	7 967 308	4	4
		1998.. 42 200	894 997	35 224	62 462	619 067	2 954 624	4 693 830	7 643 543	2	5
		1997.. 40 763	886 350	33 483	63 231	605 813	2 512 047	4 412 177	6 919 210	X	X
311711	Seafood canning	1999.. 5 412	141 284	4 228	8 122	86 131	368 330	664 981	1 031 856	8	4
		1998.. 5 553	122 176	4 441	7 775	75 622	313 021	516 907	830 740	2	8
		1997.. 5 371	121 870	4 253	7 645	73 888	330 603	533 089	862 118	X	X
311712	Fresh & frozen seafood processing ..	1999.. 36 014	797 017	29 489	57 306	531 452	2 354 438	4 578 012	6 935 452	5	5
		1998.. 36 647	772 820	30 783	54 689	543 445	2 641 602	4 176 924	6 812 803	2	5
		1997.. 35 392	764 480	29 230	55 586	531 925	2 181 444	3 879 088	6 057 092	X	X
3118	Bakeries & tortilla mfg	1999.. 314 913	8 605 632	193 762	378 998	4 615 713	30 402 285	16 894 184	47 254 539	1	2
		1998.. 328 984	8 275 620	205 546	395 626	4 499 011	28 608 140	17 141 720	45 715 975	1	1
		1997.. 298 300	7 802 377	185 122	345 366	4 252 283	27 160 518	16 561 544	43 722 668	X	X
31181	Bread & bakery product mfg	1999.. 240 237	6 383 987	135 667	264 562	3 088 927	19 429 431	9 772 879	29 129 155	2	3
		1998.. 254 741	6 101 771	147 876	283 117	2 999 111	17 960 183	9 842 116	27 762 346	1	1
		1997.. 222 596	5 582 806	126 668	228 769	2 745 715	16 631 875	9 313 748	25 953 070	X	X
311811	Retail bakeries	1999.. 52 784	703 187	31 027	51 285	380 758	1 456 796	861 784	2 320 585	3	4
		1998.. 74 653	935 848	47 134	82 672	492 383	2 094 609	1 236 368	3 304 889	2	2
		1997.. 43 603	568 243	26 845	34 286	298 911	1 227 763	716 938	1 946 153	X	X
311812	Commercial bakeries	1999.. 172 406	5 276 060	92 457	188 699	2 422 037	16 428 944	7 682 671	24 080 480	2	3
		1998.. 164 686	4 758 119	88 188	175 070	2 223 126	14 455 742	7 420 512	21 862 561	1	1
		1997.. 164 033	4 624 748	87 616	170 173	2 171 895	14 036 766	7 453 210	21 494 992	X	X
311813	Frozen cakes, pies, & other pastries mfg	1999.. 15 047	404 739	12 183	24 578	286 133	1 543 691	1 228 424	2 728 090	3	4
		1998.. 15 402	407 805	12 554	25 375	283 602	1 409 832	1 185 236	2 594 896	2	2
		1997.. 14 960	389 815	12 207	24 310	274 909	1 367 346	1 143 600	2 511 925	X	X
31182	Cookie, cracker, & pasta mfg	1999.. 62 248	1 962 653	48 155	95 798	1 356 066	10 296 216	6 627 555	16 954 275	2	2
		1998.. 62 847	1 946 756	48 905	95 949	1 349 609	9 965 438	6 805 661	16 774 413	1	1
		1997.. 64 401	2 002 867	49 541	100 370	1 358 168	9 907 805	6 757 226	16 656 299	X	X
311821	Cookie & cracker mfg	1999.. 40 106	1 321 344	30 995	61 439	925 686	6 989 129	3 299 836	10 307 687	2	2
		1998.. 42 189	1 312 905	32 726	62 675	918 696	6 704 585	3 566 480	10 288 805	1	1
		1997.. 42 804	1 343 993	32 912	65 151	920 690	6 366 872	3 518 363	9 889 921	X	X
311822	Flour mixes & dough mfg from purchased flour	1999.. 17 435	527 704	13 414	27 452	354 453	2 672 307	2 727 763	5 395 786	6	2
		1998.. 15 232	485 517	11 843	24 919	327 480	2 401 144	2 626 006	5 028 916	1	1
		1997.. 15 534	484 414	11 963	25 851	321 649	2 495 635	2 523 023	4 999 850	X	X
311823	Dry pasta mfg	1999.. 4 708	113 604	3 746	6 907	75 928	634 780	599 955	1 250 801	14	6
		1998.. 5 426	148 334	4 336	8 355	103 434	859 709	612 575	1 456 691	1	1
		1997.. 6 063	174 460	4 666	9 368	115 829	1 045 298	715 840	1 766 528	X	X
31183	Tortilla mfg	1999.. 12 428	258 992	9 940	18 639	170 720	676 637	493 750	1 171 110	6	3
		1998.. 11 395	227 093	8 766	16 559	150 291	494 543	493 543	1 179 217	2	1
		1997.. 11 303	216 704	8 913	16 227	148 400	620 838	490 570	1 113 299	X	X
311830	Tortilla mfg	1999.. 12 428	258 992	9 940	18 639	170 720	676 637	493 750	1 171 110	6	3
		1998.. 11 395	227 093	8 766	16 559	150 291	494 543	494 543	1 179 217	2	1
		1997.. 11 303	216 704	8 913	16 227	148 400	620 838	490 570	1 113 299	X	X
3119	Other food mfg	1999.. 149 998	4 549 571	112 621	225 196	2 671 774	28 474 006	24 778 453	53 188 695	1	1
		1998.. 151 170	4 439 571	112 292	217 506	2 585 760	28 166 559	23 578 128	51 799 288	1	1
		1997.. 148 688	4 338 144	109 196	215 723	2 544 397	26 323 935	22 801 616	48 905 169	X	X
31191	Snack food mfg	1999.. 45 378	1 362 655	35 779	74 288	798 722	8 167 585	7 176 111	15 383 001	3	1
		1998.. 47 443	1 417 428	36 883	69 959	805 449	8 517 410	6 640 124	15 178 905	1	3
		1997.. 46 609	1 368 683	35 412	72 675	812 972	7 483 020	6 174 737	13 590 607	X	X
311911	Roasted nuts & peanut butter mfg ..	1999.. 11 153	297 804	8 728	17 547	183 703	1 816 875	2 647 728	4 530 731	2	2
		1998.. 10 672	294 854	8 211	17 419	181 319	1 749 434	2 596 394	4 383 827	1	8
		1997.. 10 128	265 104	7 607	16 296	168 424	1 574 476	2 385 886	3 933 112	X	X
311919	Other snack food mfg	1999.. 34 225	1 064 851	27 051	56 741	615 018	6 350 711	4 528 383	10 852 271	4	2
		1998.. 36 771	1 122 574	28 673	52 540	624 129	6 767 976	4 043 730	10 795 078	1	3
		1997.. 36 481	1 103 579	27 805	56 379	644 548	5 908 544	3 788 851	9 657 495	X	X
31192	Coffee & tea mfg	1999.. 11 711	435 641	7 446	15 460	231 870	3 553 543	4 232 340	7 765 143	3	1
		1998.. 12 820	422 323	8 165	16 139	227 008	3 514 567	4 174 032	7 716 723	1	1
		1997.. 12 895	445 357	8 134	16 538	254 555	3 644 653	4 401 171	7 974 921	X	X
311920	Coffee & tea mfg	1999.. 11 711	435 641	7 446	15 460	231 870	3 553 543	4 232 340	7 765 143	3	1
		1998.. 12 820	422 323	8 165	16 139	227 008	3 514 567	4 174 032	7 716 723	1	1
		1997.. 12 895	445 357	8 134	16 538	254 555	3 644 653	4 401 171	7 974 921	X	X
31193	Flavoring syrup & concentrate mfg	1999.. 5 592	234 270	3 667	8 068	133 557	5 768 413	1 752 929	7 471 371	4	1
		1998.. 5 699	211 165	3 143	6 254	105 280	5 260 934	1 646 714	6 901 081	3	1
		1997.. 6 243	225 770	3 348	6 839	111 627	4 945 331	1 648 212	6 590 816	X	X
311930	Flavoring syrup & concentrate mfg ..	1999.. 5 592	234 270	3 667	8 068	133 557	5 768 413	1 752 929	7 471 371	4	1
		1998.. 5 699	211 165	3 143	6 254	105 280	5 260 934	1 646 714	6 901 081	3	1
		1997.. 6 243	225 770	3 348	6 839	111 627	4 945 331	1 648 212	6 590 816	X	X
31194	Seasoning & dressing mfg	1999.. 28 204	1 043 595	19 626	39 637	582 151	5 674 024	5 796 013	11 455 398	1	1
		1998.. 26 290	924 698	18 579	37 383	529 307	5 256 814	5 433 323	10 690 173	2	2
		1997.. 26 055	897 346	17 892	34 911	491 155	5 108 356	4 990 907	10 027 200	X	X
311941	Mayonnaise, dressing, & other prepared sauce mfg	1999.. 14 819	492 207	11 193	22 201	323 651	3 163 891	3 327 517	6 486 133	1	1
		1998.. 14 307	446 688	10 809	22 336	296 941	3 115 299	3 273 607	6 392 514	2	1
		1997.. 13 927	443 903	10 448	20 212	286 515	2 945 653	2 860 124	5 810 040	X	X
311942	Spice & extract mfg	1999.. 13 386	551 389	8 433	17 436	258 500	2 510 133	2 468 496	4 969 264	3	3
		1998.. 11 983	478 010	7 770	15 048	232 365	2 141 516	2 159 716	4 297 659	2	5
		1997.. 12 128	453 443	7 444	14 699	204 640	2 162 703	2 130 783	4 217 160	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
311	Food mfg—Con.										
3119	Other food mfg—Con.										
31199	All other food mfg	1999.. 59 113	1 473 411	46 103	87 742	925 475	5 310 441	5 821 059	11 113 782	2	4
		1998.. 58 918	1 463 958	45 522	87 770	918 717	5 616 834	5 683 936	11 312 406	1	2
		1997.. 56 886	1 400 988	44 410	84 760	874 088	5 142 575	5 586 589	10 721 625	X	X
311991	Perishable prepared food mfg	1999.. 20 401	462 871	15 453	29 855	278 714	1 379 563	1 435 703	2 805 155	2	3
		1998.. 21 198	487 465	15 681	30 522	284 018	1 369 194	1 419 709	2 784 974	3	4
		1997.. 20 732	461 355	15 720	29 808	272 127	1 394 441	1 349 973	2 730 103	X	X
311999	All other miscellaneous food mfg	1999.. 38 712	1 010 540	30 650	57 887	646 761	3 930 878	4 385 356	8 308 627	2	5
		1998.. 37 720	976 492	29 841	57 248	634 699	4 247 640	4 264 226	8 527 432	1	2
		1997.. 36 154	939 633	28 690	54 952	601 961	3 748 134	4 236 616	7 991 522	X	X
312	Beverage & tobacco product mfg	1999.. 167 054	6 677 155	91 132	182 062	3 397 671	68 597 670	38 940 019	107 437 006	1	1
		1998.. 175 214	6 810 605	96 969	193 329	3 518 349	62 444 922	40 431 020	102 358 936	1	1
		1997.. 175 711	6 735 295	98 389	196 693	3 554 784	56 433 891	41 276 110	96 971 368	X	X
3121	Beverage mfg	1999.. 138 706	5 232 536	70 824	144 103	2 503 304	30 538 629	31 709 306	62 116 148	1	1
		1998.. 141 394	5 280 571	72 824	147 779	2 556 424	30 971 480	31 919 598	62 381 925	1	1
		1997.. 142 117	5 139 203	73 948	148 771	2 518 681	29 743 502	31 824 907	60 896 055	X	X
31211	Soft drink & ice mfg	1999.. 81 806	2 677 247	36 494	76 612	1 080 156	20 374 933	20 374 933	34 449 543	1	2
		1998.. 82 891	2 691 104	36 500	77 658	1 068 047	14 162 724	19 519 511	33 622 811	1	3
		1997.. 83 256	2 627 979	36 580	79 450	1 042 932	13 131 224	19 480 621	32 587 038	X	X
312111	Soft drink mfg	1999.. 70 730	2 386 833	30 977	66 590	952 694	13 050 032	19 586 258	32 522 671	1	2
		1998.. 73 212	2 426 218	31 567	67 403	946 248	13 395 157	18 917 030	32 268 227	2	3
		1997.. 73 343	2 377 922	31 712	69 764	930 608	12 422 141	18 979 093	31 376 263	X	X
312112	Bottled water mfg	1999.. 5 896	161 758	2 845	5 069	76 181	816 600	652 205	1 460 522	3	10
		1998.. 4 719	144 103	1 945	4 143	62 753	448 613	447 170	891 509	1	7
		1997.. 4 661	132 426	1 961	3 714	57 471	412 997	373 757	785 869	X	X
312113	Ice mfg	1999.. 5 180	128 656	2 673	4 953	51 282	329 001	136 468	466 350	6	6
		1998.. 4 960	120 783	2 988	6 111	59 046	318 954	155 310	463 075	5	6
		1997.. 5 252	117 631	2 907	5 972	54 853	296 086	127 771	424 906	X	X
31212	Breweries	1999.. 30 152	1 571 116	20 737	40 645	993 563	11 357 468	5 688 972	17 039 397	3	1
		1998.. 31 813	1 613 933	22 374	43 261	1 066 131	11 197 157	6 825 769	18 031 537	1	1
		1997.. 34 251	1 598 573	24 205	43 800	1 083 121	11 234 126	6 967 213	18 203 492	X	X
312120	Breweries	1999.. 30 152	1 571 116	20 737	40 645	993 563	11 357 468	5 688 972	17 039 397	3	1
		1998.. 31 813	1 613 933	22 374	43 261	1 066 131	11 197 157	6 825 769	18 031 537	1	1
		1997.. 34 251	1 598 573	24 205	43 800	1 083 121	11 234 126	6 967 213	18 203 492	X	X
31213	Wineries	1999.. 21 020	755 640	9 775	17 943	273 197	3 095 600	3 782 711	6 876 873	2	2
		1998.. 20 330	730 353	9 399	18 100	267 832	3 389 534	3 836 081	6 828 809	2	3
		1997.. 18 193	668 051	8 572	15 784	238 543	3 161 416	3 663 761	6 194 564	X	X
312130	Wineries	1999.. 21 020	755 640	9 775	17 943	273 197	3 095 600	3 782 711	6 876 873	2	2
		1998.. 20 330	730 353	9 399	18 100	267 832	3 389 534	3 836 081	6 828 809	2	3
		1997.. 18 193	668 051	8 572	15 784	238 543	3 161 416	3 663 761	6 194 564	X	X
31214	Distilleries	1999.. 5 729	228 533	3 818	8 903	156 388	1 889 929	1 862 691	3 750 334	2	3
		1998.. 6 360	245 180	4 550	8 761	154 414	2 222 065	1 738 238	3 898 767	1	1
		1997.. 6 417	244 600	4 591	9 737	154 085	2 216 736	1 713 312	3 910 961	X	X
312140	Distilleries	1999.. 5 729	228 533	3 818	8 903	156 388	1 889 929	1 862 691	3 750 334	2	3
		1998.. 6 360	245 180	4 550	8 761	154 414	2 222 065	1 738 238	3 898 767	1	1
		1997.. 6 417	244 600	4 591	9 737	154 085	2 216 736	1 713 312	3 910 961	X	X
3122	Tobacco mfg	1999.. 28 348	1 444 619	20 308	37 959	894 368	38 059 041	7 230 714	45 320 858	1	1
		1998.. 33 820	1 530 035	24 145	45 549	961 925	31 473 442	8 511 421	39 977 012	1	1
		1997.. 33 594	1 596 092	24 441	47 922	1 036 103	26 690 389	9 451 203	36 075 313	X	X
31221	Tobacco stemming & redrying	1999.. 4 131	116 186	2 849	6 611	57 723	291 671	2 180 019	2 507 423	1	1
		1998.. 5 553	132 121	3 944	8 584	69 498	729 484	2 858 939	3 567 304	1	1
		1997.. 4 955	112 571	3 590	7 470	62 221	619 176	2 715 622	3 263 376	X	X
312210	Tobacco stemming & redrying	1999.. 4 131	116 186	2 849	6 611	57 723	291 671	2 180 019	2 507 423	1	1
		1998.. 5 553	132 121	3 944	8 584	69 498	729 484	2 858 939	3 567 304	1	1
		1997.. 4 955	112 571	3 590	7 470	62 221	619 176	2 715 622	3 263 376	X	X
31222	Tobacco product mfg	1999.. 24 217	1 328 433	17 459	31 348	836 645	37 767 370	5 050 695	42 813 435	2	1
		1998.. 28 267	1 397 914	20 201	36 965	892 427	30 743 958	5 652 482	36 409 708	1	1
		1997.. 28 639	1 483 521	20 851	40 452	973 882	26 071 213	6 735 581	32 811 937	X	X
312221	Cigarette mfg	1999.. 18 176	1 131 992	12 829	22 274	707 038	35 345 632	4 351 836	39 693 574	1	1
		1998.. 20 541	1 158 539	14 212	25 003	732 593	27 977 063	4 804 349	32 799 729	1	1
		1997.. 21 302	1 246 557	15 096	28 887	816 131	23 338 692	5 901 854	29 252 787	X	X
312229	Other tobacco product mfg	1999.. 6 041	196 441	4 630	9 074	129 607	2 421 738	698 859	3 119 861	7	8
		1998.. 7 726	239 375	5 989	11 962	159 834	2 766 955	848 133	3 609 979	1	1
		1997.. 7 337	236 964	5 755	11 565	157 751	2 732 521	833 727	3 559 150	X	X
313	Textile mills	1999.. 356 750	9 466 248	301 355	634 970	6 988 656	22 953 590	31 895 356	54 854 155	1	1
		1998.. 377 391	9 860 628	320 031	669 471	7 337 316	23 782 064	33 899 685	57 415 758	1	1
		1997.. 391 899	10 058 482	332 385	695 900	7 439 112	23 696 948	34 876 899	58 707 401	X	X
3131	Fiber, yarn, & thread mills	1999.. 78 245	1 888 305	70 119	149 420	1 583 040	4 046 018	8 550 063	12 549 139	1	2
		1998.. 80 024	1 884 183	71 698	152 753	1 570 071	4 300 182	8 497 995	12 668 953	1	1
		1997.. 82 291	1 891 178	73 973	156 214	1 561 517	4 202 226	8 634 866	12 896 617	X	X
31311	Fiber, yarn, & thread mills	1999.. 78 245	1 888 305	70 119	149 420	1 583 040	4 046 018	8 550 063	12 549 139	1	2
		1998.. 80 024	1 884 183	71 698	152 753	1 570 071	4 300 182	8 497 995	12 668 953	1	1
		1997.. 82 291	1 891 178	73 973	156 214	1 561 517	4 202 226	8 634 866	12 896 617	X	X
313111	Yarn spinning mills	1999.. 54 761	1 296 685	49 157	105 692	1 102 849	2 877 147	4 897 852	7 766 231	1	2
		1998.. 57 241	1 323 381	51 469	110 954	1 119 380	2 975 781	5 046 288	7 943 224	1	1
		1997.. 58 440	1 334 129	52 720	112 451	1 126 224	2 964 156	5 138 206	8 143 185	X	X
313112	Yarn texturing, throwing, & twisting mills	1999.. 20 230	524 536	18 138	38 126	427 434	1 041 665	3 395 830	4 401 044	2	4
		1998.. 18 832	474 064	16 680	34 407	382 733	1 165 356	3 009 235	4 123 129	1	2
		1997.. 20 256	478 414	18 044	36 910	374 482	1 096 088	3 115 899	4 231 500	X	X
313113	Thread mills	1999.. 3 254	67 084	2 824	5 601	52 756	127 207	256 380</			

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
313	Textile mills—Con.										
3132	Fabric mills	1999.. 195 921	5 210 449	165 240	344 874	3 869 809	12 669 627	15 071 071	27 760 850	1	1
		1998.. 210 996	5 578 294	178 884	369 463	4 168 425	12 927 467	16 819 260	29 687 544	1	1
		1997.. 217 354	5 613 779	184 433	384 185	4 201 818	12 598 396	17 302 351	29 979 595	X	X
31321	Broadwoven fabric mills	1999.. 120 232	3 125 237	104 269	216 909	2 457 936	7 344 869	9 260 356	16 594 350	1	1
		1998.. 129 506	3 422 465	113 559	236 006	2 716 914	7 811 209	10 568 712	18 305 538	1	1
		1997.. 132 797	3 434 157	115 792	242 614	2 729 638	7 505 926	10 661 154	18 269 155	X	X
313210	Broadwoven fabric mills	1999.. 120 232	3 125 237	104 269	216 909	2 457 936	7 344 869	9 260 356	16 594 350	1	1
		1998.. 129 506	3 422 465	113 559	236 006	2 716 914	7 811 209	10 568 712	18 305 538	1	1
		1997.. 132 797	3 434 157	115 792	242 614	2 729 638	7 505 926	10 661 154	18 269 155	X	X
31322	Narrow fabric mills & schiffli machine embroidery	1999.. 19 039	444 258	15 733	33 210	306 107	972 757	707 350	1 673 472	2	2
		1998.. 20 221	454 677	16 424	34 417	313 058	953 160	753 347	1 710 865	2	3
		1997.. 20 215	445 118	16 700	34 314	306 262	949 913	696 805	1 645 969	X	X
313221	Narrow fabric mills	1999.. 16 365	386 733	13 467	28 360	268 239	839 159	656 878	1 488 709	1	2
		1998.. 16 454	377 725	13 339	28 204	259 565	800 603	680 978	1 481 364	2	4
		1997.. 16 366	368 459	13 468	27 815	251 828	786 758	623 775	1 409 967	X	X
313222	Schiffli machine embroidery	1999.. 2 673	57 525	2 266	4 850	37 869	133 598	50 472	184 763	9	9
		1998.. 3 767	76 953	3 084	6 214	53 493	152 557	72 369	229 501	6	8
		1997.. 3 849	76 659	3 232	6 499	54 434	163 155	73 030	236 002	X	X
31323	Nonwoven fabric mills	1999.. 21 234	750 791	15 984	34 927	492 996	2 285 995	2 356 060	4 659 319	2	2
		1998.. 20 807	720 817	15 118	31 532	449 043	1 936 909	2 475 977	4 416 091	1	1
		1997.. 21 162	693 101	15 867	33 228	428 568	1 751 967	2 645 508	4 467 765	X	X
313230	Nonwoven fabric mills	1999.. 21 234	750 791	15 984	34 927	492 996	2 285 995	2 356 060	4 659 319	2	2
		1998.. 20 807	720 817	15 118	31 532	449 043	1 936 909	2 475 977	4 416 091	1	1
		1997.. 21 162	693 101	15 867	33 228	428 568	1 751 967	2 645 508	4 467 765	X	X
31324	Knit fabric mills	1999.. 35 416	890 162	29 254	59 828	612 770	2 066 006	2 747 304	4 833 709	2	4
		1998.. 40 463	980 334	33 783	67 508	689 409	2 226 189	3 021 225	5 255 050	1	2
		1997.. 43 180	1 041 403	36 074	74 029	737 350	2 390 590	3 298 884	5 696 706	X	X
313241	Weft knit fabric mills	1999.. 18 973	468 103	15 669	31 951	318 936	972 985	1 460 505	2 439 853	2	4
		1998.. 23 397	553 702	19 504	38 495	386 116	1 087 161	1 720 147	2 812 837	1	3
		1997.. 24 535	570 908	20 567	41 830	404 579	1 150 044	1 915 271	3 070 633	X	X
313249	Other knit fabric & lace mills	1999.. 16 443	422 059	13 584	27 877	293 834	1 093 021	1 286 799	2 393 856	2	7
		1998.. 17 067	426 632	14 279	29 013	303 293	1 139 028	1 301 077	2 442 213	1	1
		1997.. 18 645	470 495	15 507	32 199	332 771	1 240 546	1 383 613	2 626 073	X	X
3133	Textile & fabric finishing & fabric coating mills	1999.. 82 584	2 367 494	65 996	140 676	1 535 807	6 237 945	8 274 223	14 544 166	2	5
		1998.. 86 371	2 398 151	69 449	147 256	1 598 821	6 554 415	8 582 430	15 059 261	3	4
		1997.. 92 254	2 553 525	73 979	155 501	1 675 777	6 896 326	8 939 682	15 831 189	X	X
31331	Textile & fabric finishing mills	1999.. 72 319	1 997 272	58 603	125 339	1 328 931	5 377 530	7 014 120	12 411 601	2	6
		1998.. 74 981	2 001 368	60 984	129 606	1 350 421	5 566 235	7 191 434	12 673 576	3	4
		1997.. 80 722	2 167 370	65 739	138 706	1 452 456	6 006 310	7 693 568	13 697 712	X	X
313311	Broadwoven fabric finishing mills	1999.. 47 208	1 329 377	37 786	81 595	885 553	3 561 309	4 816 109	8 400 398	3	7
		1998.. 47 159	1 292 788	37 817	81 385	870 655	3 824 098	5 054 938	8 790 589	5	6
		1997.. 51 447	1 424 212	41 057	86 709	947 744	4 032 378	5 242 184	9 294 623	X	X
313312	Textile & fabric finishing mills	1999.. 25 111	667 895	20 817	43 744	443 378	1 816 221	2 198 011	4 011 203	2	10
		1998.. 27 822	708 579	23 167	48 221	479 766	1 742 137	2 136 496	3 882 986	2	3
		1997.. 29 275	743 158	24 682	51 997	504 712	1 973 932	2 451 384	4 403 089	X	X
31332	Fabric coating mills	1999.. 10 265	370 221	7 393	15 337	206 876	860 416	1 260 103	2 132 565	6	4
		1998.. 11 390	396 784	8 465	17 650	248 400	988 180	1 390 996	2 385 685	3	5
		1997.. 11 532	386 155	8 240	16 795	223 321	890 016	1 246 114	2 133 477	X	X
313320	Fabric coating mills	1999.. 10 265	370 221	7 393	15 337	206 876	860 416	1 260 103	2 132 565	6	4
		1998.. 11 390	396 784	8 465	17 650	248 400	988 180	1 390 996	2 385 685	3	5
		1997.. 11 532	386 155	8 240	16 795	223 321	890 016	1 246 114	2 133 477	X	X
314	Textile product mills	1999.. 240 373	5 439 797	196 737	386 072	3 711 727	14 262 342	18 548 474	32 641 645	1	2
		1998.. 229 848	5 067 384	185 662	355 089	3 415 300	13 265 738	17 925 234	31 136 672	1	2
		1997.. 235 441	5 088 653	189 082	366 775	3 410 873	13 613 111	17 671 553	31 051 835	X	X
3141	Textile furnishings mills	1999.. 124 476	2 886 710	104 530	210 936	2 084 405	8 725 464	12 274 974	20 893 586	1	2
		1998.. 125 469	2 787 576	102 735	201 024	1 957 171	8 514 635	12 211 593	20 657 933	1	3
		1997.. 126 041	2 750 812	102 465	207 865	1 918 311	8 588 430	11 896 997	20 296 040	X	X
31411	Carpet & rug mills	1999.. 50 840	1 339 039	42 596	90 739	1 008 526	4 632 031	7 087 001	11 682 830	1	2
		1998.. 52 638	1 355 061	42 602	87 111	970 163	4 839 580	7 284 672	12 069 919	1	1
		1997.. 51 624	1 320 268	40 692	89 056	920 979	4 513 421	7 022 584	11 492 786	X	X
314110	Carpet & rug mills	1999.. 50 840	1 339 039	42 596	90 739	1 008 526	4 632 031	7 087 001	11 682 830	1	2
		1998.. 52 638	1 355 061	42 602	87 111	970 163	4 839 580	7 284 672	12 069 919	1	1
		1997.. 51 624	1 320 268	40 692	89 056	920 979	4 513 421	7 022 584	11 492 786	X	X
31412	Curtain & linen mills	1999.. 73 637	1 547 671	61 934	120 197	1 075 878	4 093 433	5 187 973	9 210 756	1	2
		1998.. 72 830	1 432 515	60 133	113 913	987 008	3 675 055	4 926 922	8 588 014	2	6
		1997.. 74 417	1 430 544	61 773	118 809	997 332	4 075 009	4 874 413	8 803 254	X	X
314121	Curtain & drapery mills	1999.. 24 875	495 152	20 020	38 044	303 726	1 043 263	967 761	2 024 785	3	4
		1998.. 26 892	495 886	20 764	38 480	302 155	1 078 265	1 011 583	2 090 145	3	6
		1997.. 25 384	450 504	19 759	35 605	274 414	943 162	921 664	1 852 089	X	X
314129	Other household textile product mills	1999.. 48 761	1 052 519	41 914	82 154	772 152	3 050 170	4 220 212	7 185 971	2	2
		1998.. 45 938	936 629	39 369	75 434	684 853	2 596 790	3 915 339	6 497 870	2	8
		1997.. 49 033	980 040	42 014	83 204	722 918	3 131 847	3 952 749	6 951 165	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
314	Textile product mills—Con.										
3149	Other textile product mills	1999.. 115 897	2 553 087	92 207	175 136	1 627 322	5 536 878	6 273 500	11 748 059	3	3
		1998.. 104 379	2 279 809	82 927	154 065	1 458 130	4 751 102	5 713 641	10 478 739	2	2
		1997.. 109 400	2 337 841	86 617	158 910	1 492 562	5 024 681	5 774 556	10 755 795	X	X
31491	Textile bag & canvas mills	1999.. 30 414	672 914	24 110	44 706	396 887	1 365 999	1 247 525	2 600 916	4	2
		1998.. 32 567	683 084	25 726	46 846	407 677	1 302 009	1 203 673	2 515 831	1	3
		1997.. 32 781	667 725	25 892	46 094	400 079	1 307 070	1 209 238	2 502 064	X	X
314911	Textile bag mills	1999.. 11 828	232 105	9 810	18 436	137 368	500 900	454 697	943 136	6	3
		1998.. 13 909	255 189	11 547	20 477	159 314	491 610	465 612	958 226	2	3
		1997.. 14 089	253 570	11 850	21 872	160 441	497 914	486 225	972 920	X	X
314912	Canvas & related product mills	1999.. 18 586	440 809	14 301	26 270	259 519	865 099	792 828	1 657 780	5	3
		1998.. 18 658	427 895	14 179	26 369	248 363	810 399	738 061	1 557 605	2	4
		1997.. 18 692	414 155	14 042	24 222	239 638	809 156	723 013	1 529 144	X	X
31499	All other textile product mills	1999.. 85 483	1 880 173	68 097	130 430	1 230 435	4 170 879	5 025 975	9 147 143	4	4
		1998.. 71 813	1 596 725	57 201	107 219	1 050 452	3 449 968	4 509 968	7 962 908	2	3
		1997.. 76 619	1 670 116	60 725	112 816	1 092 483	3 717 611	4 565 318	8 253 731	X	X
314991	Rope, cordage, & twine mills	1999.. 6 624	165 534	5 068	10 260	99 064	393 414	421 296	805 933	2	4
		1998.. 6 310	162 137	4 746	9 687	95 352	344 222	403 776	765 539	2	8
		1997.. 6 417	159 268	4 866	9 711	94 903	377 878	411 187	777 091	X	X
314992	Tire cord & tire fabric mills	1999.. 5 524	171 900	4 484	9 729	125 302	425 229	1 008 870	1 433 551	1	1
		1998.. 4 983	147 712	4 125	9 153	113 668	374 838	925 344	1 300 241	1	1
		1997.. 5 192	155 683	4 296	9 044	113 322	414 831	857 855	1 268 662	X	X
314999	All other miscellaneous textile product mills	1999.. 73 336	1 542 738	58 545	110 441	1 006 069	3 352 236	3 595 809	6 907 659	4	5
		1998.. 60 520	1 286 876	48 331	88 379	841 432	2 730 033	3 180 848	5 897 128	2	4
		1997.. 65 010	1 355 165	51 563	94 061	884 258	2 924 902	3 296 276	6 207 978	X	X
315	Apparel mfg	1999.. 575 941	11 022 136	470 182	867 828	7 332 776	30 594 399	32 402 856	62 798 360	2	2
		1998.. 649 010	11 922 888	541 671	989 042	8 334 269	31 778 070	33 190 202	64 931 989	1	1
		1997.. 710 796	12 582 352	592 290	1 060 314	8 799 442	33 780 193	34 683 500	68 018 116	X	X
3151	Apparel knitting mills	1999.. 82 236	1 678 756	71 524	138 562	1 275 928	3 546 033	4 055 977	7 570 394	2	3
		1998.. 89 186	1 786 811	78 715	153 996	1 391 734	3 886 588	4 711 937	8 525 727	1	2
		1997.. 99 901	1 933 113	88 043	170 420	1 511 480	4 630 556	4 945 443	9 600 569	X	X
31511	Hosiery & sock mills	1999.. 48 088	960 377	41 915	82 582	738 876	2 010 263	2 120 356	4 135 132	3	3
		1998.. 49 486	976 807	44 027	86 191	775 333	2 142 823	2 254 283	4 409 579	2	2
		1997.. 52 806	982 923	46 944	91 038	780 166	2 196 914	2 360 677	4 562 009	X	X
315111	Sheer hosiery mills	1999.. 14 676	291 713	12 635	24 719	219 307	572 321	684 669	1 288 006	5	6
		1998.. 15 342	311 703	13 613	27 645	247 218	733 008	746 137	1 468 967	2	1
		1997.. 17 798	349 890	15 869	31 512	277 937	797 444	845 433	1 658 474	X	X
315119	Other hosiery & sock mills	1999.. 33 412	668 664	29 281	57 863	519 569	1 437 942	1 435 687	2 847 126	3	4
		1998.. 34 144	665 104	30 414	58 546	528 116	1 409 816	1 508 145	2 940 612	3	3
		1997.. 35 008	633 033	31 075	59 526	502 229	1 399 470	1 515 244	2 903 535	X	X
31519	Other apparel knitting mills	1999.. 34 148	718 379	29 609	55 980	537 052	1 535 770	1 935 620	3 435 262	4	5
		1998.. 39 700	810 003	34 687	67 805	616 401	1 743 764	2 457 655	4 116 147	1	3
		1997.. 47 095	950 190	41 099	79 382	731 314	2 433 642	2 584 766	5 038 560	X	X
315191	Outerwear knitting mills	1999.. 28 792	599 955	24 985	46 908	451 820	1 203 288	1 638 489	2 811 748	5	7
		1998.. 33 371	689 038	29 292	57 801	525 586	1 303 245	2 090 898	3 335 215	2	4
		1997.. 40 154	819 788	35 185	68 204	632 965	2 054 507	2 273 005	4 352 532	X	X
315192	Underwear & nightwear knitting mills	1999.. 5 356	118 423	4 625	9 072	85 232	332 482	297 132	623 514	5	3
		1998.. 6 329	120 966	5 395	10 004	90 815	440 520	366 756	780 933	3	5
		1997.. 6 941	130 402	5 914	11 178	98 349	379 135	311 761	686 028	X	X
3152	Cut & sew apparel mfg	1999.. 440 697	8 275 104	356 538	649 075	5 392 442	24 753 497	26 123 958	50 738 130	3	2
		1998.. 506 413	9 090 275	420 215	756 028	6 283 598	25 325 705	26 191 060	51 574 061	1	1
		1997.. 558 328	9 625 941	462 317	814 228	6 648 642	26 800 066	27 518 916	53 851 513	X	X
31521	Cut & sew apparel contractors	1999.. 117 201	1 584 546	103 175	184 264	1 275 289	3 314 624	1 180 315	4 549 028	9	8
		1998.. 162 184	2 216 051	145 942	250 404	1 850 644	3 863 108	1 593 864	5 500 355	2	2
		1997.. 197 863	2 572 447	177 519	295 376	2 130 859	4 439 438	1 117 706	5 536 959	X	X
315211	Men's & boys' cut & sew apparel contractors	1999.. 35 292	522 819	31 531	54 425	425 798	1 043 165	426 205	1 512 813	7	6
		1998.. 42 371	641 789	38 544	69 567	544 133	1 222 592	628 820	1 885 306	6	3
		1997.. 50 444	693 666	45 469	78 723	578 662	1 241 538	271 017	1 534 022	X	X
315212	Women's, girls', & infants' cut & sew apparel contractors	1999.. 81 909	1 061 727	71 644	129 839	849 492	2 271 460	754 110	3 036 215	12	11
		1998.. 119 813	1 574 283	107 397	180 837	1 306 511	2 640 516	965 044	3 615 049	2	3
		1997.. 147 419	1 878 781	132 050	216 653	1 552 197	3 197 900	846 689	4 002 937	X	X
31522	Men's & boys' cut & sew apparel mfg ..	1999.. 147 302	2 806 626	125 689	226 980	2 032 265	9 558 979	9 289 611	18 733 674	2	4
		1998.. 164 738	2 964 379	140 817	259 894	2 232 658	10 103 077	9 958 749	20 155 646	1	2
		1997.. 177 527	3 098 512	152 390	276 728	2 325 800	10 513 890	11 007 933	21 298 782	X	X
315221	Men's & boys' cut & sew underwear & nightwear mfg	1999.. 7 541	156 033	6 793	13 752	129 746	1 034 880	883 482	1 948 026	6	2
		1998.. 7 037	117 742	6 277	11 361	96 834	422 608	322 779	740 717	2	3
		1997.. 9 759	162 485	8 803	15 864	133 370	815 424	603 497	1 404 202	X	X
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1999.. 19 624	415 344	16 324	32 190	294 733	1 185 213	761 606	1 886 074	4	18
		1998.. 21 200	438 054	17 065	33 041	308 509	1 021 029	925 022	1 932 319	1	2
		1997.. 21 948	460 838	17 750	33 325	321 771	1 110 598	1 020 622	2 082 863	X	X
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	1999.. 38 253	767 088	32 346	56 556	520 983	2 382 285	3 057 691	5 339 750	4	7
		1998.. 44 314	828 628	37 205	68 984	597 619	3 131 749	3 525 353	6 627 416	2	2
		1997.. 52 648	938 927	44 789	80 887	699 713	3 306 989	3 639 576	6 916 178	X	X
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	1999.. 42 077	801 399	36 730	64 092	581 338	3 505 179	2 969 288	6 474 463	3	5
		1998.. 46 456	853 348	41 592	78 090	691 739	3 811 490	3 330 653	7 159 099	2	1
		1997.. 45 219	775 607	40 507	74 012	624 538	3 392 475	3 841 987	7 152 379	X	X
315225	Men's & boys' cut & sew work clothing mfg	1999.. 20 563	329 605	17 726	30 353	247 778	805 348	878 226	1 698 226	3	8
		1998.. 22 429	333 682	19 328	33 187	254 928	825 304	874 151	1 833 106	3	19
		1997.. 23 306	346 801	19 835	34 421	252 193	999 393	899 411	1 865 304	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
315	Apparel mfg—Con.										
3152	Cut & sew apparel mfg—Con.										
31522	Men's & boys' cut & sew apparel mfg										
	—Con.										
315228	Men's & boys' cut & sew other outerwear mfg	1999.. 19 244	337 157	15 771	30 036	257 687	646 074	739 319	1 387 134	6	10
		1998.. 23 302	392 925	19 350	35 231	283 028	890 897	980 791	1 862 990	1	3
		1997.. 24 647	413 854	20 706	38 219	294 215	889 011	1 002 840	1 877 856	X	X
31523	Women's & girls' cut & sew apparel mfg	1999.. 153 667	3 446 979	109 786	206 471	1 811 149	10 804 444	14 676 123	25 440 546	3	2
		1998.. 155 940	3 469 291	115 028	213 011	1 921 704	10 186 665	13 550 514	23 730 876	1	1
		1997.. 157 739	3 490 513	112 449	205 150	1 899 696	10 670 675	14 351 608	24 832 784	X	X
315231	Women's & girls' cut/sew lingerie & nightwear mfg	1999.. 20 407	386 253	15 207	27 490	230 941	1 877 001	2 169 329	4 079 152	6	5
		1998.. 23 107	422 011	18 039	33 701	281 046	1 685 976	1 929 836	3 649 536	3	4
		1997.. 26 081	451 917	20 491	39 144	306 652	1 705 803	2 138 835	3 910 357	X	X
315232	Women's & girls' cut & sew blouse & shirt mfg	1999.. 31 293	744 871	21 298	40 094	360 246	1 809 880	3 059 561	4 825 358	9	4
		1998.. 29 170	708 420	20 767	36 002	347 543	1 907 379	2 630 333	4 471 507	3	1
		1997.. 26 201	554 072	19 217	33 034	302 185	1 667 037	2 392 071	3 995 123	X	X
315233	Women's & girls' cut & sew dress mfg	1999.. 28 786	759 198	17 372	34 992	343 175	2 239 023	3 219 565	5 463 959	8	8
		1998.. 29 158	762 834	19 258	36 730	381 718	1 899 916	2 811 284	4 719 308	3	2
		1997.. 28 280	711 042	17 618	31 231	348 008	2 011 924	3 058 502	5 009 262	X	X
315234	Women's & girls' cut & sew suit, coat, skirt mfg	1999.. 12 857	355 721	8 518	16 364	150 169	819 827	1 376 278	2 184 571	14	12
		1998.. 18 087	476 755	11 818	20 447	226 021	1 373 943	2 014 230	3 446 738	2	2
		1997.. 20 324	528 734	12 946	23 190	246 832	1 656 257	2 182 131	3 759 250	X	X
315239	Women's & girls' cut & sew other outerwear mfg	1999.. 60 324	1 200 937	47 390	87 531	726 618	4 058 713	4 851 391	8 887 505	5	3
		1998.. 56 419	1 099 272	45 146	86 132	685 376	3 319 451	4 164 831	7 443 787	1	2
		1997.. 56 853	1 244 748	42 177	78 551	696 019	3 629 654	4 580 069	8 158 792	X	X
31529	Other cut & sew apparel mfg	1999.. 22 527	436 954	17 887	31 360	273 739	1 075 449	977 909	2 014 882	4	5
		1998.. 23 551	440 554	18 429	32 718	278 592	1 172 855	1 087 933	2 187 183	2	10
		1997.. 25 199	464 469	19 959	36 974	292 287	1 176 063	1 041 669	2 182 988	X	X
315291	Infants' cut & sew apparel mfg	1999.. 6 571	116 655	4 918	9 862	82 265	447 777	407 204	824 883	7	11
		1998.. 8 903	162 152	6 911	12 982	105 118	468 852	524 446	1 019 464	1	14
		1997.. 9 457	152 721	7 879	15 425	112 899	487 099	457 862	945 119	X	X
315292	Fur & leather apparel mfg	1999.. 2 847	59 029	2 182	3 303	33 347	134 137	153 445	285 825	22	8
		1998.. 1 710	41 380	1 274	2 608	23 957	102 679	115 250	217 475	17	10
		1997.. 2 132	45 928	1 606	2 977	27 345	115 965	129 663	244 687	X	X
315299	All other cut & sew apparel mfg	1999.. 13 108	261 270	10 787	18 195	158 126	493 535	417 260	904 174	3	3
		1998.. 12 937	237 022	10 244	17 129	149 517	601 324	448 236	950 244	3	16
		1997.. 13 610	265 820	10 474	18 572	152 043	572 999	454 144	993 182	X	X
3159	Apparel accessories & other apparel mfg	1999.. 53 009	1 068 275	42 120	80 191	664 406	2 294 870	2 222 921	4 489 836	3	3
		1998.. 53 411	1 045 802	42 742	79 019	658 936	2 565 777	2 287 205	4 832 201	1	2
		1997.. 52 567	1 023 298	41 930	75 666	639 320	2 349 571	2 219 141	4 566 034	X	X
31599	Apparel accessories & other apparel mfg	1999.. 53 009	1 068 275	42 120	80 191	664 406	2 294 870	2 222 921	4 489 836	3	3
		1998.. 53 411	1 045 802	42 742	79 019	658 936	2 565 777	2 287 205	4 832 201	1	2
		1997.. 52 567	1 023 298	41 930	75 666	639 320	2 349 571	2 219 141	4 566 034	X	X
315991	Hat, cap, & millinery mfg	1999.. 16 705	318 283	14 153	26 177	225 306	639 966	376 953	1 011 799	7	7
		1998.. 16 827	304 897	13 720	25 531	219 665	652 724	383 309	1 038 100	3	7
		1997.. 17 237	303 495	14 090	25 539	214 402	570 346	404 686	980 704	X	X
315992	Glove & mitten mfg	1999.. 5 791	117 002	4 643	9 535	76 280	234 455	332 853	566 834	9	4
		1998.. 6 223	116 348	5 223	10 873	78 307	408 754	321 735	725 993	2	6
		1997.. 6 412	119 679	5 308	9 837	79 297	337 930	335 609	672 639	X	X
315993	Men's & boys' neckwear mfg	1999.. 4 478	110 794	3 470	6 850	59 242	237 089	236 624	476 622	6	8
		1998.. 4 985	123 696	3 823	6 753	63 193	337 683	278 382	607 191	1	4
		1997.. 4 936	117 274	3 820	6 883	61 907	330 533	270 002	598 457	X	X
315999	Other apparel accessories & other apparel mfg	1999.. 26 034	522 195	19 855	37 629	303 579	1 183 361	1 276 490	2 434 581	2	3
		1998.. 25 375	500 861	19 975	35 862	297 772	1 166 616	1 303 779	2 460 918	1	2
		1997.. 23 982	482 850	18 712	33 407	283 714	1 110 762	1 208 844	2 314 234	X	X
316	Leather & allied product mfg	1999.. 73 967	1 759 657	59 563	118 467	1 146 455	4 551 235	5 144 742	9 673 219	1	2
		1998.. 80 933	1 823 228	65 322	128 982	1 176 611	5 015 800	5 217 653	10 185 821	1	3
		1997.. 85 115	1 832 341	68 733	133 908	1 185 870	5 407 999	5 480 529	10 876 510	X	X
3161	Leather & hide tanning & finishing	1999.. 15 188	453 820	12 430	26 494	332 582	1 144 275	2 011 054	3 177 382	2	3
		1998.. 15 366	430 148	12 893	26 396	316 248	1 287 402	2 029 394	3 310 066	1	2
		1997.. 14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	X	X
31611	Leather & hide tanning & finishing	1999.. 15 188	453 820	12 430	26 494	332 582	1 144 275	2 011 054	3 177 382	2	3
		1998.. 15 366	430 148	12 893	26 396	316 248	1 287 402	2 029 394	3 310 066	1	2
		1997.. 14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	X	X
316110	Leather & hide tanning & finishing	1999.. 15 188	453 820	12 430	26 494	332 582	1 144 275	2 011 054	3 177 382	2	3
		1998.. 15 366	430 148	12 893	26 396	316 248	1 287 402	2 029 394	3 310 066	1	2
		1997.. 14 898	408 772	12 348	24 867	303 177	1 372 896	2 192 848	3 576 657	X	X
3162	Footwear mfg	1999.. 34 310	756 904	28 184	55 293	500 333	1 869 386	1 972 757	3 775 212	2	5
		1998.. 37 563	783 263	30 908	59 842	510 918	1 835 839	1 913 518	3 763 959	2	8
		1997.. 41 744	827 526	34 669	66 707	542 243	2 219 507	2 018 550	4 210 975	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
316	Leather & allied product mfg—Con.										
3162	Footwear mfg—Con.										
31621	Footwear mfg	1999.. 34 310	756 904	28 184	55 293	500 333	1 869 386	1 972 757	3 775 212	2	5
		1998.. 37 563	783 263	30 908	59 842	510 918	1 835 839	1 913 518	3 763 959	2	8
		1997.. 41 744	827 526	34 669	66 707	542 243	2 219 507	2 018 550	4 210 975	X	X
316211	Rubber & plastics footwear mfg	1999.. 6 983	156 726	5 581	11 086	102 184	566 430	514 664	1 024 687	4	2
		1998.. 8 198	192 220	6 688	13 447	125 022	584 389	542 972	1 130 220	3	3
		1997.. 8 292	168 185	6 890	14 467	119 135	519 953	498 663	1 009 838	X	X
316212	House slipper mfg	1999.. 1 916	44 121	1 430	2 686	24 764	123 179	128 514	251 754	1	1
		1998.. 2 246	46 786	1 810	3 771	28 183	122 363	109 455	234 684	5	3
		1997.. 2 501	51 471	1 960	4 303	30 799	147 572	125 482	263 816	X	X
316213	Men's footwear (except athletic) mfg	1999.. 15 040	338 546	12 288	24 081	227 725	792 505	1 011 483	1 800 102	4	11
		1998.. 14 971	314 264	12 020	22 495	200 442	712 708	983 233	1 691 658	5	15
		1997.. 17 182	367 831	14 088	25 767	236 591	1 065 698	974 259	2 019 647	X	X
316214	Women's footwear (except athletic) mfg	1999.. 7 442	160 214	6 373	12 451	103 976	288 236	231 202	512 875	2	3
		1998.. 9 370	179 913	8 089	15 721	122 819	285 439	199 932	506 415	1	32
		1997.. 10 442	183 020	8 905	16 988	114 011	373 803	322 851	703 653	X	X
316219	Other footwear mfg	1999.. 2 929	57 297	2 511	4 990	41 684	99 036	86 894	185 794	3	9
		1998.. 2 778	50 080	2 301	4 408	34 451	130 940	77 925	200 982	12	14
		1997.. 3 327	57 019	2 826	5 182	41 707	112 481	97 295	214 021	X	X
3169	Other leather & allied product mfg	1999.. 24 464	548 933	18 949	36 680	313 540	1 537 574	1 160 932	2 720 625	3	2
		1998.. 28 004	609 817	21 520	42 745	349 445	1 892 559	1 274 742	3 111 795	1	7
		1997.. 28 473	596 043	21 716	42 334	340 450	1 815 596	1 269 131	3 088 878	X	X
31699	Other leather & allied product mfg	1999.. 24 464	548 933	18 949	36 680	313 540	1 537 574	1 160 932	2 720 625	3	2
		1998.. 28 004	609 817	21 520	42 745	349 445	1 892 559	1 274 742	3 111 795	1	7
		1997.. 28 473	596 043	21 716	42 334	340 450	1 815 596	1 269 131	3 088 878	X	X
316991	Luggage mfg	1999.. 9 190	214 526	6 987	13 754	118 904	799 538	559 064	1 365 757	4	2
		1998.. 9 275	213 438	6 747	13 203	111 898	952 545	561 333	1 463 608	3	1
		1997.. 9 550	219 951	6 958	13 571	115 006	858 991	568 128	1 425 871	X	X
316992	Women's handbag & purse mfg	1999.. 2 659	68 863	1 961	3 891	32 470	130 994	94 050	225 163	3	4
		1998.. 3 651	80 588	2 732	5 143	45 680	162 349	95 761	258 412	4	7
		1997.. 3 492	78 998	2 726	5 380	46 073	162 276	126 201	287 341	X	X
316993	Personal leather good (except women's handbag & purse) mfg	1999.. 4 576	93 245	3 649	7 150	57 012	198 267	149 740	347 322	5	4
		1998.. 4 957	110 742	3 856	8 110	63 633	240 756	166 238	408 764	2	2
		1997.. 5 215	109 840	3 837	7 722	57 729	279 219	182 610	465 206	X	X
316999	All other leather good mfg	1999.. 8 039	172 299	6 353	11 884	105 153	408 775	358 078	782 383	6	5
		1998.. 10 121	205 049	8 186	16 289	128 234	536 909	451 409	981 010	3	2
		1997.. 10 216	187 254	8 195	15 661	121 642	515 110	392 184	910 460	X	X
321	Wood product mfg	1999.. 589 230	15 953 733	492 909	1 011 057	11 787 382	38 413 247	59 515 887	97 583 376	1	1
		1998.. 577 900	15 112 611	483 813	976 860	11 123 453	34 469 465	56 621 634	91 174 529	1	1
		1997.. 570 034	14 319 193	476 225	948 438	10 567 993	33 493 004	55 299 641	88 470 180	X	X
3211	Sawmills & wood preservation	1999.. 132 828	3 643 861	113 476	244 054	2 840 289	9 610 275	20 677 411	30 208 734	2	2
		1998.. 128 128	3 476 001	109 541	230 825	2 734 106	8 098 078	19 604 198	27 908 665	1	2
		1997.. 130 935	3 478 548	111 962	230 740	2 717 104	9 481 550	19 789 802	29 093 601	X	X
32111	Sawmills & wood preservation	1999.. 132 828	3 643 861	113 476	244 054	2 840 289	9 610 275	20 677 411	30 208 734	2	2
		1998.. 128 128	3 476 001	109 541	230 825	2 734 106	8 098 078	19 604 198	27 908 665	1	2
		1997.. 130 935	3 478 548	111 962	230 740	2 717 104	9 481 550	19 789 802	29 093 601	X	X
321113	Sawmills	1999.. 120 305	3 311 495	103 368	223 547	2 625 195	8 620 485	16 682 614	25 248 721	2	2
		1998.. 116 304	3 177 159	100 317	212 689	2 544 978	7 305 584	15 961 441	23 422 483	1	2
		1997.. 119 267	3 180 425	102 788	212 176	2 527 290	8 521 097	16 227 066	24 632 080	X	X
321114	Wood preservation	1999.. 12 523	332 366	10 108	20 507	215 094	989 791	3 994 797	4 960 012	2	2
		1998.. 11 823	298 841	9 224	18 136	189 128	792 494	3 642 757	4 486 182	2	8
		1997.. 11 668	298 123	9 174	18 564	189 814	960 453	3 562 736	4 461 521	X	X
3212	Veneer, plywood, & engineered wood product mfg	1999.. 115 877	3 470 819	96 567	209 742	2 572 473	9 552 699	12 522 246	21 988 472	1	1
		1998.. 112 532	3 310 807	93 814	203 602	2 440 335	7 937 109	12 190 284	20 125 786	1	1
		1997.. 113 085	3 155 921	94 202	200 835	2 350 065	7 208 798	11 673 718	18 815 394	X	X
32121	Veneer, plywood, & engineered wood product mfg	1999.. 115 877	3 470 819	96 567	209 742	2 572 473	9 552 699	12 522 246	21 988 472	1	1
		1998.. 112 532	3 310 807	93 814	203 602	2 440 335	7 937 109	12 190 284	20 125 786	1	1
		1997.. 113 085	3 155 921	94 202	200 835	2 350 065	7 208 798	11 673 718	18 815 394	X	X
321211	Hardwood veneer & plywood mfg	1999.. 21 677	550 987	18 658	38 086	412 935	1 283 644	1 848 609	3 131 233	2	4
		1998.. 21 236	550 599	18 596	38 780	407 946	1 158 372	1 832 338	2 963 272	3	2
		1997.. 22 029	523 831	19 220	39 449	389 234	1 121 661	1 751 522	2 861 556	X	X
321212	Softwood veneer & plywood mfg	1999.. 25 764	865 881	23 465	54 194	754 521	2 274 346	3 894 156	6 130 576	1	1
		1998.. 26 219	859 116	23 828	54 298	741 355	1 688 956	3 950 952	5 679 357	3	2
		1997.. 28 435	895 756	25 747	59 494	776 233	1 713 341	3 950 877	5 658 347	X	X
321213	Engineered wood member (except truss) mfg	1999.. 5 935	193 155	5 089	11 774	150 517	594 560	1 218 752	1 777 441	5	4
		1998.. 5 811	173 489	4 869	10 887	132 829	560 184	1 066 818	1 620 870	1	2
		1997.. 5 372	154 564	4 469	9 701	118 939	476 346	974 548	1 431 123	X	X
321214	Truss mfg	1999.. 37 802	1 018 603	28 938	59 553	622 400	1 990 820	2 483 282	4 462 453	2	2
		1998.. 34 661	920 735	26 401	55 144	555 877	1 874 948	2 228 310	4 091 568	3	3
		1997.. 32 069	784 839	24 266	47 270	470 967	1 584 826	2 032 748	3 610 943	X	X
321219	Reconstituted wood product mfg	1999.. 24 699	842 193	20 418	46 136	632 100	3 409 329	3 077 446	6 486 769	1	3
		1998.. 24 605	806 868	20 120	44 493	602 328	2 654 649	3 111 866	5 770 720	1	1
		1997.. 25 180	796 931	20 500	44 921	594 692	2 312 624	2 964 023	5 253 425	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—				
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				F	G	H	A	F
321	Wood product mfg—Con.													
3219	Other wood product mfg	1999.. 340 524	8 839 054	282 866	557 261	6 374 620	19 250 272	26 316 230	45 386 170	1	1			
		1998.. 337 240	8 325 804	280 459	542 433	5 949 012	18 434 277	24 827 152	43 140 077	1	1			
		1997.. 326 014	7 684 724	270 061	516 863	5 500 824	16 802 656	23 836 121	40 561 185	X	X			
32191	Millwork	1999.. 153 555	4 121 110	128 355	260 159	3 068 122	8 618 866	13 195 218	21 693 020	2	2			
		1998.. 145 125	3 696 253	120 935	237 042	2 710 555	8 104 354	11 918 501	19 985 350	1	1			
		1997.. 140 506	3 434 757	116 828	229 267	2 528 265	7 463 664	11 631 811	19 040 942	X	X			
321911	Wood window & door mfg	1999.. 68 391	2 092 292	55 633	113 473	1 544 122	4 356 431	5 895 574	10 162 305	4	3			
		1998.. 66 817	1 877 279	54 379	104 640	1 344 759	4 125 803	5 245 125	9 359 956	2	2			
		1997.. 63 806	1 702 872	51 706	102 542	1 229 286	3 687 713	4 970 743	8 673 423	X	X			
321912	Cut stock, resawing lumber, & planing	1999.. 44 877	1 028 575	38 833	78 040	786 104	2 136 875	4 358 396	6 482 910	2	2			
		1998.. 39 744	918 608	34 370	68 048	700 496	2 049 668	3 960 323	5 992 911	2	4			
		1997.. 39 205	878 081	33 921	66 395	675 578	1 940 712	4 010 533	5 925 115	X	X			
321918	Other millwork (including flooring)	1999.. 40 287	1 000 243	33 888	68 645	737 896	2 125 560	2 941 247	5 047 804	2	5			
		1998.. 38 564	900 366	32 186	64 354	665 299	1 928 883	2 713 053	4 632 487	1	1			
		1997.. 37 495	853 804	31 201	60 330	623 401	1 835 239	2 650 535	4 442 404	X	X			
32192	Wood container & pallet mfg	1999.. 49 455	1 038 981	42 086	82 037	734 736	2 128 494	2 646 862	4 772 121	3	2			
		1998.. 52 564	1 033 297	44 478	84 204	735 086	2 122 924	2 585 336	4 684 805	2	1			
		1997.. 51 173	971 865	43 071	79 058	689 861	1 999 828	2 495 045	4 489 070	X	X			
321920	Wood container & pallet mfg	1999.. 49 455	1 038 981	42 086	82 037	734 736	2 128 494	2 646 862	4 772 121	3	2			
		1998.. 52 564	1 033 297	44 478	84 204	735 086	2 122 924	2 585 336	4 684 805	2	1			
		1997.. 51 173	971 865	43 071	79 058	689 861	1 999 828	2 495 045	4 489 070	X	X			
32199	All other wood product mfg	1999.. 137 514	3 678 963	112 426	215 065	2 571 762	8 502 911	10 474 151	18 921 030	1	2			
		1998.. 139 551	3 596 254	115 046	221 188	2 503 372	8 207 000	10 323 315	18 469 918	1	1			
		1997.. 134 335	3 278 102	110 162	208 538	2 282 698	7 339 164	9 709 265	17 031 173	X	X			
321991	Manufactured home (mobile home) mfg	1999.. 71 690	1 996 493	60 605	116 119	1 442 011	4 577 061	6 361 009	10 891 413	2	2			
		1998.. 71 424	2 005 262	60 546	117 082	1 423 123	4 530 977	6 528 377	11 037 598	2	1			
		1997.. 67 470	1 771 302	57 000	108 090	1 270 023	4 009 319	6 081 981	10 085 615	X	X			
321992	Prefabricated wood building mfg	1999.. 25 540	700 230	18 816	36 451	422 182	1 550 804	2 038 176	3 578 486	2	3			
		1998.. 23 579	624 900	17 289	34 343	376 828	1 468 342	1 841 983	3 296 201	3	3			
		1997.. 23 187	592 344	16 790	32 723	348 024	1 274 863	1 752 312	3 028 520	X	X			
321999	All other miscellaneous wood product mfg	1999.. 40 284	982 240	33 005	62 496	707 569	2 375 047	2 074 965	4 451 131	2	6			
		1998.. 44 548	966 092	37 211	69 763	703 421	2 207 681	1 952 955	4 136 119	1	2			
		1997.. 43 678	914 456	36 372	67 725	664 651	2 054 982	1 874 972	3 917 038	X	X			
322	Paper mfg	1999.. 560 161	22 789 134	431 852	924 430	15 640 912	74 602 033	82 835 648	157 491 024	1	1			
		1998.. 572 371	22 529 483	439 133	929 325	15 387 457	72 879 006	82 419 356	154 984 192	1	1			
		1997.. 574 274	22 311 971	440 096	935 795	15 187 973	70 300 235	80 189 518	150 295 890	X	X			
3221	Pulp, paper, & paperboard mills	1999.. 186 519	9 724 528	145 934	314 311	7 164 204	37 525 664	35 796 823	73 509 111	1	1			
		1998.. 195 053	9 785 963	151 957	327 749	7 099 990	36 326 513	35 861 026	71 977 971	1	1			
		1997.. 201 540	10 001 730	156 546	342 376	7 016 702	35 230 199	36 334 352	71 539 224	X	X			
32211	Pulp mills	1999.. 7 311	389 985	5 562	12 444	274 695	1 444 386	1 631 906	3 112 146	1	1			
		1998.. 7 433	397 165	5 686	12 443	279 161	1 403 944	1 724 924	3 130 246	1	3			
		1997.. 8 048	417 689	6 084	12 915	295 393	1 507 468	1 694 648	3 263 973	X	X			
322110	Pulp mills	1999.. 7 311	389 985	5 562	12 444	274 695	1 444 386	1 631 906	3 112 146	1	1			
		1998.. 7 433	397 165	5 686	12 443	279 161	1 403 944	1 724 924	3 130 246	1	1			
		1997.. 8 048	417 689	6 084	12 915	295 393	1 507 468	1 694 648	3 263 973	X	X			
32212	Paper mills	1999.. 128 046	6 656 332	100 943	216 180	4 976 131	25 716 335	23 347 778	49 168 032	1	1			
		1998.. 133 939	6 675 971	104 985	225 101	4 889 866	23 297 522	23 297 522	47 905 244	1	1			
		1997.. 138 985	6 915 579	108 622	236 354	5 007 106	24 681 603	23 540 735	48 161 554	X	X			
322121	Paper (except newsprint) mills	1999.. 116 859	6 019 828	92 174	197 527	4 504 619	23 258 428	21 091 608	44 448 867	1	1			
		1998.. 121 298	5 973 936	95 227	203 926	4 374 292	21 859 582	20 609 399	42 254 842	1	1			
		1997.. 125 935	6 197 015	98 577	214 510	4 483 213	22 128 898	20 914 676	42 966 163	X	X			
322122	Newsprint mills	1999.. 11 187	636 503	8 769	18 653	471 511	2 457 907	2 256 171	4 719 164	1	2			
		1998.. 12 641	702 035	9 758	21 175	515 573	2 952 906	2 688 123	5 650 402	1	2			
		1997.. 13 050	718 564	10 045	21 844	523 893	2 552 705	2 626 059	5 195 391	X	X			
32213	Paperboard mills	1999.. 51 162	2 678 211	39 429	85 687	1 913 378	10 364 943	10 817 139	21 228 933	1	1			
		1998.. 53 681	2 712 826	41 286	90 205	1 930 963	10 110 081	10 838 580	20 942 481	1	1			
		1997.. 54 507	2 668 462	41 840	93 107	1 914 203	9 041 128	11 098 969	20 113 697	X	X			
322130	Paperboard mills	1999.. 51 162	2 678 211	39 429	85 687	1 913 378	10 364 943	10 817 139	21 228 933	1	1			
		1998.. 53 681	2 712 826	41 286	90 205	1 930 963	10 110 081	10 838 580	20 942 481	1	1			
		1997.. 54 507	2 668 462	41 840	93 107	1 914 203	9 041 128	11 098 969	20 113 697	X	X			
3222	Converted paper product mfg	1999.. 373 642	13 064 605	285 917	610 119	8 476 708	37 076 369	47 038 825	83 981 914	1	1			
		1998.. 377 317	12 743 521	287 176	601 577	8 287 467	36 552 493	46 558 330	83 006 221	1	1			
		1997.. 372 734	12 310 241	283 550	593 419	7 971 271	35 070 036	43 855 166	78 756 666	X	X			
32221	Paperboard container mfg	1999.. 211 719	7 514 546	162 570	347 606	4 845 549	17 525 605	27 150 225	44 536 330	1	1			
		1998.. 211 799	7 251 137	161 701	338 573	4 686 776	17 009 113	26 496 456	43 413 764	1	2			
		1997.. 207 346	6 939 598	158 183	332 734	4 459 052	16 169 581	23 837 340	39 973 012	X	X			
322211	Corrugated & solid fiber box mfg	1999.. 132 504	4 794 219	97 626	208 256	2 907 726	11 033 516	19 159 702	30 065 160	1	1			
		1998.. 129 387	4 475 762	94 936	199 595	2 735 247	10 245 283	18 077 144	28 292 507	1	2			
		1997.. 124 641	4 260 630	91 401	190 936	2 576 043	9 627 993	15 950 040	25 555 136	X	X			
322212	Folding paperboard box mfg	1999.. 47 959	1 762 901	38 878	84 605	1 220 485	4 037 333	4 735 264	8 757 706	1	1			
		1998.. 50 798	1 794 138	40 637	85 131	1 235 569	4 154 589	5 045 175	9 223 520	2	1			
		1997.. 50 465	1 745 178	40 114	87 845	1 195 314	4 118 767	4 802 008	8 929 351	X	X			
322213	Setup paperboard box mfg	1999.. 5 455	134 435	4 257	8 336	85 496	260 605	187 304	450 146	4	4			
		1998.. S	S	S	S	S	S	S	S	12	S			
		1997.. 6 033	142 263	4 810	9 333	90 006	299 516	216 728	512 314	X	X			
322214	Fiber can, tube, drum, & similar products mfg	1999.. 11 799	402 772	9 659	21 673	292 341	1 054 227	1 438 079	2 484 843	2	3			
		1998.. 11 311	376 801	9 433	19 784	270 390	1 011 667	1 389 465	2 394 271	2	2			
		1997.. 11 498	355 517	9 481	19 292	261 515	952 629	1 352 153	2 305 281	X	X			
322215														

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
322	Paper mfg—Con.										
3222	Converted paper product mfg—Con.										
32222	Paper bag & coated & treated paper mfg	1999.. 72 925	2 727 560	54 501	117 242	1 739 062	8 763 138	10 750 793	19 510 505	1	1
		1998.. 75 290	2 699 017	55 702	118 189	1 712 526	8 712 284	10 585 389	19 267 102	1	1
		1997.. 75 370	2 624 531	55 717	119 916	1 660 845	8 708 660	10 696 858	19 367 269	X	X
322221	Coated & laminated packaging paper & plastics film mfg	1999.. 5 921	205 744	4 717	10 014	141 577	572 429	1 021 462	1 591 186	6	5
		1998.. 4 974	175 342	3 812	7 688	113 858	545 060	903 880	1 448 953	8	7
		1997.. 5 385	183 786	4 171	9 112	123 403	541 684	956 326	1 491 170	X	X
322222	Coated & laminated paper mfg	1999.. 40 177	1 603 160	27 940	59 137	944 248	5 817 870	6 183 734	12 023 973	1	1
		1998.. 41 548	1 584 975	28 756	60 844	938 456	5 774 573	5 916 703	11 665 467	1	1
		1997.. 41 550	1 552 642	28 611	61 493	918 343	5 843 950	6 011 082	11 845 958	X	X
322223	Plastics, foil, & coated paper bag mfg	1999.. 2 624	88 085	1 912	4 196	53 901	226 425	235 955	462 397	1	5
		1998.. 3 129	96 131	2 252	4 574	60 414	247 819	257 560	509 073	2	3
		1997.. 2 991	94 810	2 147	4 345	55 454	240 445	254 889	493 924	X	X
322224	Uncoated paper & multiwall bag mfg	1999.. 15 965	485 259	13 660	29 673	369 168	1 197 946	1 644 351	2 829 973	2	1
		1998.. 17 119	490 330	14 524	31 079	364 535	1 138 977	1 741 414	2 880 157	2	2
		1997.. 16 808	461 405	14 199	30 322	345 294	1 124 247	1 679 126	2 794 934	X	X
322225	Laminated aluminum foil mfg for flexible packaging uses	1999.. 4 879	214 276	3 707	8 378	150 520	585 702	878 134	1 453 358	1	1
		1998.. 5 241	228 700	3 869	8 441	161 911	651 942	1 002 496	1 651 809	1	6
		1997.. 5 342	205 766	4 112	9 111	142 801	603 535	996 431	1 587 850	X	X
322226	Surface-coated paperboard mfg	1999.. 3 358	131 036	2 564	5 845	79 648	362 767	787 157	1 149 618	1	3
		1998.. 3 280	123 539	2 490	5 564	73 351	353 915	763 336	1 111 644	1	2
		1997.. 3 294	126 122	2 477	5 533	75 550	354 799	799 004	1 153 433	X	X
32223	Stationery product mfg	1999.. 47 911	1 439 317	36 485	76 598	954 059	3 626 073	4 299 313	7 926 486	2	2
		1998.. 48 245	1 388 770	36 679	74 586	918 794	3 600 134	4 235 444	7 839 216	1	2
		1997.. 47 750	1 375 317	36 136	72 964	903 722	3 736 501	4 130 901	7 734 912	X	X
322231	Die-cut paper & paperboard office supplies mfg	1999.. 13 807	380 081	10 767	23 134	250 178	1 016 056	1 247 354	2 260 791	5	5
		1998.. 13 194	347 777	10 286	21 677	232 122	1 088 040	1 249 891	2 339 666	2	4
		1997.. 12 552	337 559	9 813	19 921	223 444	992 306	1 150 628	2 105 012	X	X
322232	Envelope mfg	1999.. 25 462	812 952	19 478	41 028	557 895	1 610 727	2 003 560	3 610 485	1	1
		1998.. 26 362	807 908	19 918	40 471	544 261	1 573 782	1 970 320	3 539 770	1	3
		1997.. 25 981	796 765	19 629	40 089	530 309	1 744 897	1 924 526	3 655 270	X	X
322233	Stationery, tablet, & related product mfg	1999.. 8 642	246 285	6 240	12 436	145 986	999 290	1 048 399	2 055 210	1	2
		1998.. 8 689	233 085	6 475	12 439	142 411	938 313	1 015 233	1 959 780	2	2
		1997.. 9 217	240 993	6 694	12 954	149 969	999 298	1 055 747	1 974 630	X	X
32229	Other converted paper product mfg	1999.. 41 087	1 383 182	32 361	68 674	938 039	7 161 554	4 838 495	12 008 593	3	2
		1998.. 41 983	1 404 597	33 093	70 228	969 372	7 230 962	5 241 040	12 486 139	3	1
		1997.. 42 268	1 370 795	33 514	67 805	947 652	6 455 294	5 190 067	11 681 473	X	X
322291	Sanitary paper product mfg	1999.. 15 827	621 181	12 758	28 886	454 290	4 785 183	2 746 254	7 549 606	3	2
		1998.. 18 864	730 945	15 252	33 039	539 241	5 167 468	3 236 857	8 376 676	1	1
		1997.. 18 360	680 102	14 980	31 266	514 519	4 463 242	3 345 082	7 833 607	X	X
322299	All other converted paper product mfg	1999.. 25 260	762 001	19 604	39 787	483 748	2 376 371	2 092 241	4 458 987	4	3
		1998.. 23 119	673 652	17 841	37 189	430 130	2 063 494	2 004 183	4 109 463	5	4
		1997.. 23 908	690 693	18 534	36 539	433 133	1 992 052	1 844 985	3 847 866	X	X
323	Printing & related support activities	1999.. 838 218	27 369 027	608 501	1 204 752	17 097 998	62 427 601	40 029 410	102 403 684	1	1
		1998.. 843 254	26 846 805	617 463	1 209 603	16 905 846	60 247 675	40 101 404	100 296 650	1	1
		1997.. 834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	X	X
3231	Printing & related support activities	1999.. 838 218	27 369 027	608 501	1 204 752	17 097 998	62 427 601	40 029 410	102 403 684	1	1
		1998.. 843 254	26 846 805	617 463	1 209 603	16 905 846	60 247 675	40 101 404	100 296 650	1	1
		1997.. 834 404	26 022 991	607 637	1 164 310	16 336 416	58 392 618	39 219 976	97 485 138	X	X
32311	Printing	1999.. 759 959	24 645 015	549 098	1 086 738	15 340 277	57 065 101	38 512 915	95 553 906	1	1
		1998.. 760 983	24 001 590	554 794	1 084 629	15 042 170	54 589 947	38 609 009	93 146 667	1	1
		1997.. 751 027	23 250 806	544 646	1 041 535	14 532 062	52 916 516	37 779 163	90 564 648	X	X
323110	Commercial lithographic printing	1999.. 420 378	14 695 554	304 277	607 676	9 202 786	32 070 783	21 425 202	53 540 167	1	1
		1998.. 422 579	14 356 414	309 005	611 446	9 086 673	30 766 147	21 351 525	52 078 857	1	1
		1997.. 413 680	13 708 665	299 255	585 415	8 619 364	29 460 988	20 662 589	50 027 462	X	X
323111	Commercial gravure printing	1999.. 22 102	798 999	18 472	37 604	609 103	2 037 926	1 740 733	3 785 345	2	1
		1998.. 23 116	827 300	19 551	39 431	641 225	2 136 817	1 912 747	4 015 195	1	1
		1997.. 23 126	802 731	19 323	38 515	619 074	1 911 486	1 983 432	3 892 449	X	X
323112	Commercial flexographic printing	1999.. 31 425	1 089 845	21 219	42 320	612 853	2 729 090	2 270 704	4 992 921	2	2
		1998.. 30 733	1 061 921	20 991	42 098	585 613	2 603 952	2 222 763	4 822 708	1	2
		1997.. 30 348	1 027 927	20 474	41 999	564 226	2 521 146	2 176 378	4 675 493	X	X
323113	Commercial screen printing	1999.. 69 225	1 776 068	50 936	97 494	1 030 489	3 732 150	2 916 147	6 643 289	5	3
		1998.. 70 835	1 705 381	51 493	96 092	958 155	3 726 182	2 896 358	6 618 302	1	2
		1997.. 72 479	1 731 971	53 292	95 544	983 156	3 708 959	2 903 873	6 622 326	X	X
323114	Quick printing	1999.. 63 691	1 557 866	43 944	83 388	935 416	3 467 332	1 775 478	5 239 448	2	3
		1998.. 52 954	1 299 726	36 454	66 131	790 019	2 700 914	1 496 110	4 200 332	1	3
		1997.. 52 069	1 248 931	36 484	59 090	765 602	2 674 764	1 474 788	4 147 172	X	X
323115	Digital printing	1999.. 5 162	156 559	3 603	6 985	91 264	356 418	173 473	528 469	4	5
		1998.. 4 582	130 574	3 052	5 838	70 013	320 429	151 616	471 568	1	7
		1997.. 4 222	122 560	2 834	5 058	67 259	270 928	134 210	405 679	X	X
323116	Manifold business form printing	1999.. 52 796	1 587 979	36 444	73 230	1 015 540	5 527 084	3 848 604	9 371 452	2	2
		1998.. 54 721	1 640 299	38 859	79 443	1 071 850	5 425 029	3 896 805	9 407 233	2	2
		1997.. 55 884	1 678 053	38 992	75 106	1 105 577	5 631 433	3 887 345	9 516 072	X	X
323117	Book printing	1999.. 50 509	1 657 931	40 270	80 191	1 149 842	3 647 665	2 237 692	5 868 115	2	2
		1998.. 49 453	1 549 499	39 202	75 122	1 059 752	3 425 237	2 182 704	5 599 621	2	3
		1997.. 49 047	1 530 539	38 782	75 742	1 057 001	3 300 926	2 216 983	5 517 171	X	X
323118	Blankbook, looseleaf binder, & device mfg	1999.. 16 851	491 472	11 365	23 349	232 038	1 614 403	1 064 080	2 654 980	3	2
		1998.. 17 485	522 868	12 367	24 378	263 225	1 414 844	1 133 413	2 509 708	3	10
		1997.. 17 565	496 481	12 566	25 249	256 314	1 530 134	1 017 065	2 540 799	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
323	Printing & related support activities—Con.										
3231	Printing & related support activities—Con.										
32311	Printing—Con.										
323119	Other commercial printing	1999.. 27 819	832 742	18 568	34 501	460 946	1 882 250	1 060 801	2 929 719	5	6
		1998.. 34 524	907 607	23 820	44 650	515 645	2 070 397	1 364 970	3 423 144	2	2
		1997.. 32 607	902 948	22 644	39 817	524 489	1 905 752	1 322 500	3 220 025	X	X
32312	Support activities for printing	1999.. 78 259	2 724 013	59 403	118 013	1 757 721	5 362 500	1 516 494	6 849 778	2	3
		1998.. 82 271	2 845 214	62 670	124 973	1 863 676	5 657 728	1 492 395	7 149 984	1	3
		1997.. 83 377	2 772 185	62 991	122 775	1 804 354	5 476 102	1 440 813	6 920 490	X	X
323121	Tradebinding & related work	1999.. 30 646	813 994	25 260	51 322	569 591	1 539 263	493 505	2 017 015	4	5
		1998.. 30 982	797 864	25 636	51 754	569 671	1 538 549	450 949	1 993 684	1	1
		1997.. 30 831	755 060	25 510	49 986	534 978	1 487 276	457 629	1 946 867	X	X
323122	Prepress services	1999.. 47 613	1 910 018	34 142	66 691	1 188 131	3 823 237	1 022 989	4 832 763	2	4
		1998.. 51 289	2 047 350	37 033	73 220	1 294 005	4 119 179	1 041 446	5 156 299	2	3
		1997.. 52 546	2 017 125	37 481	72 789	1 269 376	3 988 826	983 184	4 973 623	X	X
324	Petroleum & coal products mfg	1999.. 103 743	5 624 923	69 162	155 915	3 453 243	42 355 047	127 147 170	168 096 214	1	1
		1998.. 107 980	5 678 001	71 719	161 759	3 497 183	31 649 246	104 286 946	137 956 938	1	1
		1997.. 107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	X	X
3241	Petroleum & coal products mfg	1999.. 103 743	5 624 923	69 162	155 915	3 453 243	42 355 047	127 147 170	168 096 214	1	1
		1998.. 107 980	5 678 001	71 719	161 759	3 497 183	31 649 246	104 286 946	137 956 938	1	1
		1997.. 107 625	5 546 082	71 554	161 036	3 421 272	37 610 773	139 509 979	177 393 098	X	X
32411	Petroleum refineries	1999.. 63 491	3 958 665	40 879	94 018	2 443 523	35 014 127	115 516 670	149 206 042	1	1
		1998.. 64 920	3 964 664	42 231	97 788	2 461 449	24 023 637	92 211 962	118 155 923	1	1
		1997.. 65 448	3 884 869	42 693	99 837	2 412 190	30 878 456	127 555 077	158 667 598	X	X
324110	Petroleum refineries	1999.. 63 491	3 958 665	40 879	94 018	2 443 523	35 014 127	115 516 670	149 206 042	1	1
		1998.. 64 920	3 964 664	42 231	97 788	2 461 449	24 023 637	92 211 962	118 155 923	1	1
		1997.. 65 448	3 884 869	42 693	99 837	2 412 190	30 878 456	127 555 077	158 667 598	X	X
32412	Asphalt paving, roofing, & saturated materials mfg	1999.. 26 357	1 078 424	20 104	44 674	737 116	4 380 225	7 030 049	11 371 204	3	2
		1998.. 27 962	1 095 663	20 509	45 335	731 004	4 420 614	7 204 893	11 673 174	2	5
		1997.. 27 301	1 059 768	20 054	43 122	709 048	4 007 042	6 969 639	10 981 761	X	X
324121	Asphalt paving mixture & block mfg ..	1999.. 13 237	555 965	10 241	22 231	390 879	2 159 562	3 938 270	6 087 392	6	3
		1998.. 14 660	572 980	10 647	22 646	387 051	2 312 588	3 989 279	6 323 135	3	10
		1997.. 13 946	560 441	10 097	21 183	372 301	1 974 057	3 887 190	5 887 180	X	X
324122	Asphalt shingle & coating materials mfg	1999.. 13 120	522 459	9 863	22 443	346 237	2 220 663	3 091 779	5 283 811	1	1
		1998.. 13 302	522 682	9 863	22 689	343 954	2 108 026	3 215 613	5 350 039	1	3
		1997.. 13 355	499 327	9 957	21 939	336 747	2 032 985	3 072 449	5 094 581	X	X
32419	Other petroleum & coal products mfg ..	1999.. 13 896	587 834	8 179	17 223	272 604	2 960 695	4 600 451	7 518 969	1	4
		1998.. 15 099	617 675	8 979	18 637	304 731	3 204 996	4 870 992	8 127 840	1	1
		1997.. 14 876	601 445	8 807	18 077	300 034	2 725 275	4 985 263	7 743 739	X	X
324191	Petroleum lubricating oil & grease mfg	1999.. 10 853	469 026	5 840	12 303	191 811	2 347 238	3 627 483	5 933 759	1	4
		1998.. 11 542	471 421	6 228	12 724	208 437	2 565 652	4 010 313	6 616 098	1	1
		1997.. 11 242	448 857	5 966	11 923	192 066	2 068 913	3 973 546	6 070 406	X	X
324199	All other petroleum & coal products mfg	1999.. 3 043	118 808	2 339	4 919	80 793	613 457	972 968	1 585 210	1	7
		1998.. 3 557	146 254	2 751	5 913	96 294	639 344	859 779	1 511 742	4	2
		1997.. 3 634	152 588	2 841	6 154	107 968	656 362	1 011 717	1 673 333	X	X
325	Chemical mfg	1999.. 881 415	42 100 953	506 193	1 051 164	19 799 998	229 284 486	192 189 988	419 673 902	1	1
		1998.. 895 452	41 581 035	516 163	1 069 967	19 878 052	230 218 776	186 808 152	416 742 159	1	1
		1997.. 882 645	39 835 717	512 152	1 068 966	19 192 170	224 684 500	192 199 632	415 616 508	X	X
3251	Basic chemical mfg	1999.. 193 487	10 354 693	111 040	231 720	5 390 872	50 238 548	56 480 319	106 874 798	1	1
		1998.. 202 185	10 498 422	115 451	241 283	5 474 894	53 041 896	53 294 688	106 695 129	1	1
		1997.. 200 766	10 290 943	114 874	244 213	5 417 819	53 736 421	59 632 425	113 356 912	X	X
32511	Petrochemical mfg	1999.. 11 456	728 206	6 469	15 355	385 499	4 498 416	11 533 188	16 102 105	1	1
		1998.. 10 377	646 692	5 813	13 075	337 122	3 904 694	9 118 828	13 031 931	1	1
		1997.. 10 192	620 132	5 741	12 869	326 988	8 359 545	11 192 888	19 468 615	X	X
325110	Petrochemical mfg	1999.. 11 456	728 206	6 469	15 355	385 499	4 498 416	11 533 188	16 102 105	1	1
		1998.. 10 377	646 692	5 813	13 075	337 122	3 904 694	9 118 828	13 031 931	1	1
		1997.. 10 192	620 132	5 741	12 869	326 988	8 359 545	11 192 888	19 468 615	X	X
32512	Industrial gas mfg	1999.. 11 783	574 316	6 768	14 575	320 516	3 234 530	2 104 201	5 328 368	1	3
		1998.. 12 548	581 876	6 979	14 806	308 831	3 730 162	2 070 292	5 761 425	1	1
		1997.. 12 636	579 853	6 814	14 518	296 561	3 485 572	1 918 360	5 416 308	X	X
325120	Industrial gas mfg	1999.. 11 783	574 316	6 768	14 575	320 516	3 234 530	2 104 201	5 328 368	1	3
		1998.. 12 548	581 876	6 979	14 806	308 831	3 730 162	2 070 292	5 761 425	1	1
		1997.. 12 636	579 853	6 814	14 518	296 561	3 485 572	1 918 360	5 416 308	X	X
32513	Dye & pigment mfg	1999.. 17 241	801 761	10 916	22 688	450 884	3 171 300	2 971 199	6 098 135	6	7
		1998.. 16 964	780 322	10 240	21 745	442 651	3 380 506	3 027 209	6 392 739	1	1
		1997.. 17 318	782 624	10 558	22 427	452 367	3 361 633	3 038 484	6 438 366	X	X
325131	Inorganic dye & pigment mfg	1999.. 8 244	411 860	5 578	12 342	250 696	1 830 406	1 637 896	3 434 275	5	6
		1998.. 8 524	401 354	5 579	11 964	249 084	1 977 170	1 753 475	3 742 509	1	1
		1997.. 8 629	394 603	5 675	11 827	251 387	2 030 987	1 709 715	3 745 010	X	X
325132	Synthetic organic dye & pigment mfg	1999.. 8 996	389 901	5 338	10 346	200 188	1 340 894	1 333 304	2 663 860	9	14
		1998.. 8 440	378 968	4 662	9 781	193 566	1 403 335	1 273 733	2 650 229	1	2
		1997.. 8 689	388 021	4 883	10 600	200 980	1 330 646	1 328 769	2 693 356	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
325	Chemical mfg—Con.										
3251	Basic chemical mfg—Con.										
32518	Other basic inorganic chemical mfg	1999.. 60 364	3 144 038	32 582	62 079	1 500 421	18 222 508	8 221 699	26 363 865	1	1
		1998.. 62 784	3 186 819	33 527	64 988	1 542 274	18 387 146	7 948 772	26 287 494	1	2
		1997.. 60 055	2 971 865	31 710	64 838	1 470 779	12 729 040	7 969 310	20 731 059	X	X
325181	Alkalies & chlorine mfg	1999.. 4 652	261 445	3 280	6 933	176 475	1 118 602	979 498	2 134 950	1	1
		1998.. 4 899	279 018	3 377	6 915	179 906	1 443 181	991 396	2 449 207	1	3
		1997.. 4 859	272 779	3 348	7 085	175 560	1 421 798	1 064 748	2 465 183	X	X
325182	Carbon black mfg	1999.. 1 875	97 813	1 303	2 647	62 409	562 765	385 761	949 737	1	2
		1998.. 1 732	93 012	1 140	2 764	55 156	644 003	425 439	1 078 118	4	13
		1997.. 1 769	90 694	1 123	2 733	53 892	547 537	445 282	990 391	X	X
325188	All other basic inorganic chemical mfg	1999.. 53 837	2 784 779	28 000	52 499	1 261 538	16 541 141	6 856 439	23 279 178	1	1
		1998.. 56 153	2 814 789	29 009	55 308	1 307 212	16 299 962	6 531 937	22 760 168	1	2
		1997.. 53 427	2 608 392	27 239	55 020	1 241 327	10 759 705	6 459 280	17 275 485	X	X
32519	Other basic organic chemical mfg	1999.. 92 644	5 106 373	54 305	117 022	2 733 550	21 111 793	31 650 031	52 982 325	1	1
		1998.. 99 512	5 302 713	58 892	126 670	2 844 016	23 639 388	31 129 588	55 221 540	1	1
		1997.. 100 565	5 336 469	60 051	129 561	2 871 124	25 800 631	35 513 383	61 302 564	X	X
325191	Gum & wood chemical mfg	1999.. 2 527	96 807	1 809	4 244	58 249	470 328	337 178	831 931	1	2
		1998.. 2 486	93 987	1 835	4 097	62 381	463 454	384 371	846 014	1	1
		1997.. 2 261	84 253	1 703	3 775	56 457	469 629	348 290	814 676	X	X
325192	Cyclic crude & intermediate mfg	1999.. 7 195	416 761	3 939	8 798	227 094	2 456 425	3 287 280	5 736 681	1	4
		1998.. 8 557	463 580	5 024	11 408	264 080	2 513 536	3 457 395	6 051 134	1	1
		1997.. 8 641	467 132	5 153	11 442	257 924	2 807 384	4 053 054	6 861 138	X	X
325193	Ethyl alcohol mfg	1999.. 1 730	63 846	1 268	2 836	40 284	265 342	1 061 884	1 326 979	5	10
		1998.. 1 542	60 133	1 093	2 235	34 648	336 198	860 304	1 218 484	2	3
		1997.. 1 503	58 421	1 037	2 288	38 109	226 520	994 308	1 222 166	X	X
325199	All other basic organic chemical mfg	1999.. 81 192	4 528 958	47 290	101 144	2 407 922	17 919 698	26 963 689	45 086 733	1	2
		1998.. 86 927	4 685 013	50 941	108 931	2 482 907	20 326 199	26 427 518	47 105 909	1	1
		1997.. 88 160	4 726 663	52 158	112 056	2 518 634	22 297 098	30 117 731	52 404 584	X	X
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1999.. 108 403	5 353 146	73 431	162 701	3 180 490	27 308 466	35 364 858	62 510 100	1	1
		1998.. 114 427	5 509 683	76 685	168 770	3 329 087	28 310 080	34 769 363	63 185 560	1	1
		1997.. 115 691	5 397 924	78 859	172 461	3 286 931	27 307 501	37 346 437	64 417 772	X	X
32521	Resin & synthetic rubber mfg	1999.. 69 634	3 701 463	42 953	95 511	2 054 229	20 866 107	29 258 506	49 804 402	2	2
		1998.. 73 701	3 893 560	44 513	98 868	2 184 724	21 600 076	28 607 317	50 371 571	1	1
		1997.. 73 804	3 788 883	45 897	100 261	2 164 062	20 399 243	31 145 699	51 379 595	X	X
325211	Plastics material & resin mfg	1999.. 58 483	3 089 723	35 604	79 269	1 697 637	18 002 944	26 495 498	44 209 781	2	2
		1998.. 62 789	3 297 106	37 412	83 176	1 834 182	19 071 252	25 832 676	45 028 827	1	1
		1997.. 61 632	3 160 542	38 078	83 556	1 798 060	17 625 910	27 750 752	45 225 889	X	X
325212	Synthetic rubber mfg	1999.. 11 151	611 741	7 349	16 241	356 591	2 863 163	2 763 008	5 594 621	2	5
		1998.. 10 912	596 454	7 101	15 692	350 542	2 528 824	2 774 641	5 342 742	1	1
		1997.. 12 172	628 341	7 819	16 705	366 002	2 773 333	3 394 947	6 153 708	X	X
32522	Artificial & synthetic fibers & filaments mfg	1999.. 38 768	1 651 683	30 478	67 190	1 126 261	6 442 359	6 106 352	12 705 698	1	1
		1998.. 40 726	1 616 123	32 171	69 902	1 144 362	6 715 004	6 162 046	12 813 989	1	1
		1997.. 41 887	1 609 041	32 962	72 200	1 122 869	6 908 258	6 200 738	13 038 177	X	X
325221	Cellulosic organic fiber mfg	1999.. 3 215	123 576	2 479	5 066	79 243	357 788	362 020	757 495	1	1
		1998.. 4 055	147 082	3 174	6 187	98 602	450 085	450 857	901 999	1	1
		1997.. 4 802	174 879	3 750	7 875	120 838	603 753	500 989	1 096 983	X	X
325222	Noncellulosic organic fiber mfg	1999.. 35 554	1 528 107	27 999	62 124	1 047 018	6 084 571	5 744 332	11 948 203	1	1
		1998.. 36 671	1 469 041	28 997	63 715	1 045 760	6 264 919	5 711 189	11 911 990	1	1
		1997.. 37 085	1 434 162	29 212	64 325	1 002 031	6 304 505	5 699 749	11 941 194	X	X
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1999.. 37 164	1 634 803	23 221	49 804	912 741	10 697 900	11 260 517	21 687 923	2	2
		1998.. 37 437	1 557 357	24 481	53 326	914 075	12 550 061	11 869 973	24 420 417	2	1
		1997.. 37 123	1 515 969	23 746	51 894	870 343	12 576 259	11 802 223	24 176 999	X	X
32531	Fertilizer mfg	1999.. 23 229	959 740	15 297	32 792	601 103	3 667 770	7 233 304	10 896 838	2	4
		1998.. 23 140	911 851	15 985	34 247	582 491	5 180 277	7 784 053	12 996 611	2	2
		1997.. 23 150	880 977	15 646	34 726	546 199	4 900 041	7 943 425	12 759 745	X	X
325311	Nitrogenous fertilizer mfg	1999.. 5 334	265 179	3 354	7 327	168 925	856 030	1 842 889	2 698 270	1	14
		1998.. 5 204	295 207	3 520	7 937	184 636	1 658 572	2 118 456	3 759 976	10	2
		1997.. 5 811	286 132	3 701	8 133	170 626	1 814 299	2 172 209	3 961 254	X	X
325312	Phosphatic fertilizer mfg	1999.. 8 715	412 263	6 263	13 756	284 935	1 735 843	3 256 112	4 988 825	1	2
		1998.. 8 565	364 007	6 004	13 698	252 146	2 332 825	3 180 226	5 585 620	1	2
		1997.. 8 482	357 905	5 907	14 039	240 391	2 062 571	3 451 125	5 474 672	X	X
325314	Fertilizer (mixing only) mfg	1999.. 9 180	282 298	5 680	11 708	147 243	1 075 896	2 134 302	3 209 744	4	6
		1998.. 9 371	252 637	6 461	12 612	145 710	1 188 881	2 485 371	3 651 016	1	8
		1997.. 8 857	236 940	6 038	12 554	135 182	1 023 171	2 320 091	3 323 819	X	X
32532	Pesticide & other agricultural chemical mfg	1999.. 13 935	675 063	7 924	17 013	311 638	7 030 131	4 027 214	10 791 084	5	3
		1998.. 14 297	645 506	8 495	19 078	331 583	7 369 784	4 085 920	11 423 806	1	1
		1997.. 13 973	634 992	8 100	17 168	324 144	7 676 218	3 858 798	11 417 254	X	X
325320	Pesticide & other agricultural chemical mfg	1999.. 13 935	675 063	7 924	17 013	311 638	7 030 131	4 027 214	10 791 084	5	3
		1998.. 14 297	645 506	8 495	19 078	331 583	7 369 784	4 085 920	11 423 806	1	1
		1997.. 13 973	634 992	8 100	17 168	324 144	7 676 218	3 858 798	11 417 254	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
325	Chemical mfg—Con.										
3254	Pharmaceutical & medicine mfg	1999.. 222 914	11 984 792	108 277	215 275	4 264 062	74 108 478	35 177 286	107 855 231	2	1
		1998.. 212 655	11 203 070	102 548	206 911	4 025 068	70 763 080	33 073 091	103 461 361	1	1
		1997.. 203 337	10 111 751	100 900	205 009	3 690 325	64 108 002	29 616 274	92 932 786	X	X
32541	Pharmaceutical & medicine mfg	1999.. 222 914	11 984 792	108 277	215 275	4 264 062	74 108 478	35 177 286	107 855 231	2	1
		1998.. 212 655	11 203 070	102 548	206 911	4 025 068	70 763 080	33 073 091	103 461 361	1	1
		1997.. 203 337	10 111 751	100 900	205 009	3 690 325	64 108 002	29 616 274	92 932 786	X	X
325411	Medicinal & botanical mfg	1999.. 28 121	1 651 287	12 617	27 430	577 715	5 126 510	6 862 285	11 682 576	6	4
		1998.. 30 023	1 728 518	14 549	32 856	679 524	7 208 430	5 936 351	13 169 467	1	1
		1997.. 27 764	1 530 029	13 505	29 216	596 030	6 297 660	5 588 337	11 888 455	X	X
325412	Pharmaceutical preparation mfg	1999.. 131 130	6 880 497	68 690	134 400	2 599 707	58 617 324	23 358 875	81 181 580	3	2
		1998.. 117 707	6 085 472	61 622	121 552	2 328 942	53 368 779	22 419 083	75 322 200	1	1
		1997.. 114 119	5 522 283	61 848	124 912	2 131 449	47 864 824	19 480 126	66 734 737	X	X
325413	In-vitro diagnostic substance mfg	1999.. 40 780	2 352 133	14 930	29 311	640 712	6 648 700	2 661 479	9 177 685	1	1
		1998.. 40 790	2 292 512	14 194	27 889	600 697	6 287 535	2 460 086	8 912 869	2	2
		1997.. 38 485	2 051 030	13 626	26 352	579 439	6 253 818	2 435 838	8 682 377	X	X
325414	Biological product (except diagnostic) mfg	1999.. 22 883	1 100 875	12 040	24 133	445 929	3 715 944	2 294 646	5 813 389	3	3
		1998.. 24 134	1 096 569	12 182	24 613	415 905	3 898 335	2 257 571	6 056 824	1	1
		1997.. 22 969	1 008 409	11 921	24 529	383 407	3 691 700	2 111 973	5 627 217	X	X
3255	Paint, coating, & adhesive mfg	1999.. 73 915	3 076 928	41 411	87 592	1 339 284	12 884 986	14 609 435	27 525 132	2	2
		1998.. 75 911	2 954 535	41 414	82 790	1 278 431	12 525 197	14 209 900	26 804 545	1	4
		1997.. 74 464	2 903 042	40 854	81 651	1 259 535	12 618 013	13 799 470	26 369 629	X	X
32551	Paint & coating mfg	1999.. 51 211	2 139 207	28 111	58 930	915 058	9 114 484	10 577 232	19 748 336	2	1
		1998.. 53 876	2 099 770	28 458	55 765	883 152	9 194 966	10 287 637	19 572 495	2	5
		1997.. 52 772	2 071 651	28 231	55 378	876 073	9 234 712	9 860 724	19 057 194	X	X
325510	Paint & coating mfg	1999.. 51 211	2 139 207	28 111	58 930	915 058	9 114 484	10 577 232	19 748 336	2	1
		1998.. 53 876	2 099 770	28 458	55 765	883 152	9 194 966	10 287 637	19 572 495	2	5
		1997.. 52 772	2 071 651	28 231	55 378	876 073	9 234 712	9 860 724	19 057 194	X	X
32552	Adhesive mfg	1999.. 22 704	937 722	13 300	28 662	424 227	3 770 502	4 032 203	7 776 797	3	5
		1998.. 22 035	854 765	12 956	27 025	395 280	3 330 230	3 922 263	7 232 049	1	2
		1997.. 21 692	831 391	12 623	26 273	383 462	3 383 301	3 938 746	7 312 435	X	X
325520	Adhesive mfg	1999.. 22 704	937 722	13 300	28 662	424 227	3 770 502	4 032 203	7 776 797	3	5
		1998.. 22 035	854 765	12 956	27 025	395 280	3 330 230	3 922 263	7 232 049	1	2
		1997.. 21 692	831 391	12 623	26 273	383 462	3 383 301	3 938 746	7 312 435	X	X
3256	Soap, cleaning compound, & toilet preparation mfg	1999.. 123 414	4 625 523	75 143	149 611	2 180 805	32 483 061	20 912 901	53 266 176	2	1
		1998.. 130 672	4 742 716	80 499	159 139	2 312 842	34 082 231	20 703 282	54 492 176	1	1
		1997.. 126 446	4 567 517	77 754	154 558	2 179 672	34 359 408	20 876 590	55 141 340	X	X
32561	Soap & cleaning compound mfg	1999.. 60 231	2 481 996	34 844	70 010	1 151 620	16 132 337	13 164 407	29 202 071	1	1
		1998.. 63 852	2 495 332	38 054	77 704	1 231 805	17 333 468	12 532 890	29 882 417	2	1
		1997.. 62 479	2 454 050	37 266	76 994	1 197 672	17 755 669	13 183 941	30 928 488	X	X
325611	Soap & other detergent mfg	1999.. 29 181	1 271 000	17 524	35 989	620 206	8 824 439	7 550 739	16 302 505	2	1
		1998.. 30 771	1 265 897	18 813	37 845	626 788	10 046 061	6 895 992	17 012 386	2	1
		1997.. 31 052	1 268 061	18 152	36 800	626 457	10 478 562	7 337 083	17 772 851	X	X
325612	Polish & other sanitation good mfg	1999.. 21 189	732 577	12 224	24 329	326 313	4 900 571	3 020 612	7 945 364	3	3
		1998.. 23 633	750 814	14 248	28 915	390 230	5 442 182	3 242 866	8 609 911	5	2
		1997.. 21 985	724 411	14 133	28 728	360 261	5 149 717	3 190 254	8 369 554	X	X
325613	Surface active agent mfg	1999.. 9 861	478 419	5 096	9 692	205 100	2 407 327	2 593 056	4 954 202	2	4
		1998.. 9 448	478 621	4 993	10 945	214 787	1 845 225	2 394 033	4 260 120	2	2
		1997.. 9 442	461 578	4 981	11 466	210 954	2 127 390	2 656 604	4 786 083	X	X
32562	Toilet preparation mfg	1999.. 63 183	2 143 527	40 299	79 602	1 029 186	16 350 723	7 748 494	24 064 105	4	1
		1998.. 66 820	2 247 384	42 445	81 435	1 081 037	16 748 763	8 170 392	24 609 759	2	1
		1997.. 63 967	2 113 467	40 488	77 564	982 000	16 603 739	7 692 649	24 212 852	X	X
325620	Toilet preparation mfg	1999.. 63 183	2 143 527	40 299	79 602	1 029 186	16 350 723	7 748 494	24 064 105	4	1
		1998.. 66 820	2 247 384	42 445	81 435	1 081 037	16 748 763	8 170 392	24 609 759	2	1
		1997.. 63 967	2 113 467	40 488	77 564	982 000	16 603 739	7 692 649	24 212 852	X	X
3259	Other chemical product mfg	1999.. 122 119	5 071 068	73 669	154 461	2 531 743	21 563 047	18 384 672	39 954 542	1	2
		1998.. 122 165	5 115 253	75 086	157 748	2 543 656	18 941 232	18 887 854	37 682 971	1	1
		1997.. 124 818	5 048 571	75 165	159 180	2 487 545	19 978 896	19 126 213	39 221 070	X	X
32591	Printing ink mfg	1999.. 13 945	592 302	7 218	14 717	264 039	2 238 466	2 500 131	4 719 266	2	5
		1998.. 13 429	542 350	7 831	16 169	261 175	1 810 893	2 604 110	4 332 163	1	9
		1997.. 13 196	509 564	7 001	14 674	243 525	1 627 402	2 480 229	4 076 500	X	X
325910	Printing ink mfg	1999.. 13 945	592 302	7 218	14 717	264 039	2 238 466	2 500 131	4 719 266	2	5
		1998.. 13 429	542 350	7 831	16 169	261 175	1 810 893	2 604 110	4 332 163	1	9
		1997.. 13 196	509 564	7 001	14 674	243 525	1 627 402	2 480 229	4 076 500	X	X
32592	Explosives mfg	1999.. 8 705	298 910	5 946	11 107	173 221	511 010	572 041	1 080 410	8	7
		1998.. 8 410	296 903	6 039	11 712	179 198	612 345	623 284	1 247 881	1	6
		1997.. 8 972	312 301	6 648	13 516	190 534	789 782	649 413	1 447 274	X	X
325920	Explosives mfg	1999.. 8 705	298 910	5 946	11 107	173 221	511 010	572 041	1 080 410	8	7
		1998.. 8 410	296 903	6 039	11 712	179 198	612 345	623 284	1 247 881	1	6
		1997.. 8 972	312 301	6 648	13 516	190 534	789 782	649 413	1 447 274	X	X
32599	All other chemical product & preparation mfg	1999.. 99 469	4 179 855	60 505	128 637	2 094 484	18 813 571	15 312 499	34 154 865	1	2
		1998.. 100 326	4 275 999	61 215	129 866	2 103 283	16 517 994	15 660 460	32 102 926	1	1
		1997.. 102 650	4 226 706	61 516	130 990	2 053 486	17 561 712	15 996 571	33 697 296	X	X
325991	Custom compounding of purchased resin	1999.. 26 870	978 749	18 512	37 091	524 654	3 367 401	4 396 228	7 756 766	2	2
		1998.. 27 415	986 948	17 989	37 343	530 746	3 332 625	4 791 555	8 096 686	3	1
		1997.. 27 664	969 961	18 130	36 014	508 084	3 092 396	4 871 853	7 960 246	X	X
325992	Photographic film, paper, plate, & chemical mfg	1999.. 34 800	1 707 289	18 580	43 686	788 247	7 982 008	5 086 606	13 171 799	1	1
		1998.. 35 751	1 788 536	20 058	46 196	824 250	6 118 994	4 695 428	10 838 783	1	1
		1997.. 39 090	1 836 912	21 863	51 584	856 684	7 673 452	5 072 320	12 918 747	X	X
325998	All										

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees			Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—			
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)	F				G	H	A	F
													A	B
326	Plastics & rubber products mfg	1999..	1 069 069	32 637 952	848 309	1 719 771	21 822 593	91 345 891	81 488 495	172 396 889	1	1		
		1998..	1 040 446	31 027 376	825 374	1 656 638	20 789 526	85 541 920	78 290 917	163 736 381	1	1		
		1997..	1 023 060	29 804 904	805 689	1 607 820	19 828 676	81 349 082	77 994 466	159 161 346	X	X		
3261	Plastics product mfg	1999..	857 972	25 368 005	680 048	1 372 781	16 625 350	72 183 024	65 046 284	136 872 664	1	1		
		1998..	835 558	24 096 922	661 224	1 320 897	15 811 859	66 963 842	61 804 296	128 660 662	1	1		
		1997..	820 707	23 029 570	644 417	1 277 327	14 957 832	63 280 786	61 404 727	124 445 374	X	X		
32611	Unsupported plastics film, sheet, & bag mfg	1999..	109 902	3 813 717	85 499	181 871	2 527 142	12 845 839	13 493 990	26 300 358	2	1		
		1998..	109 821	3 698 205	85 264	178 384	2 461 811	12 258 729	12 832 727	25 058 630	1	1		
		1997..	110 292	3 646 537	84 706	178 589	2 389 616	11 591 673	13 069 256	24 624 844	X	X		
326111	Unsupported plastics bag mfg	1999..	40 480	1 231 451	33 255	68 965	846 275	4 027 305	3 850 650	7 838 571	2	1		
		1998..	41 169	1 211 123	33 777	69 946	856 077	3 922 916	3 804 510	7 709 980	2	3		
		1997..	40 671	1 168 260	33 153	69 064	808 133	3 402 530	3 906 147	7 300 237	X	X		
326112	Unsupported plastics packaging film & sheet mfg	1999..	15 808	582 710	12 551	27 381	417 917	2 123 502	2 219 308	4 309 476	3	2		
		1998..	15 288	567 022	12 111	26 123	400 837	1 931 512	2 066 507	3 998 678	1	3		
		1997..	15 428	550 628	11 960	26 406	390 046	1 606 103	2 024 844	3 638 911	X	X		
326113	Unsupported plastics film & sheet (except packaging) mfg	1999..	53 613	1 999 556	39 692	85 525	1 262 950	6 695 031	7 424 032	14 152 311	3	2		
		1998..	53 364	1 920 060	39 375	82 315	1 204 897	6 404 302	6 961 710	13 349 972	1	1		
		1997..	54 193	1 927 649	39 593	83 119	1 191 437	6 583 040	7 138 265	13 685 696	X	X		
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1999..	49 167	1 538 329	37 284	75 923	972 221	4 592 680	4 952 952	9 508 031	2	2		
		1998..	47 864	1 490 807	35 557	71 447	925 712	4 199 135	4 916 483	9 171 743	2	2		
		1997..	47 419	1 409 531	35 828	71 193	880 768	4 066 325	5 207 289	9 228 294	X	X		
326121	Unsupported plastics profile shape mfg	1999..	26 992	874 586	19 720	41 353	532 230	2 386 637	1 755 403	4 181 377	3	3		
		1998..	27 657	866 589	19 695	39 452	503 955	2 322 285	1 963 761	4 271 814	3	1		
		1997..	27 449	857 876	20 145	40 386	512 494	2 273 968	2 149 086	4 436 148	X	X		
326122	Plastics pipe & pipe fitting mfg	1999..	22 175	663 742	17 564	34 569	439 991	2 206 043	3 197 549	5 326 654	3	2		
		1998..	20 207	624 218	15 862	31 994	421 757	1 876 849	2 952 721	4 899 929	3	4		
		1997..	19 970	551 655	15 683	30 807	368 274	1 792 357	3 058 203	4 792 146	X	X		
32613	Laminated plastics plate, sheet, & shape mfg	1999..	14 989	534 730	11 373	25 477	356 878	1 515 833	1 286 388	2 797 195	3	2		
		1998..	15 689	542 124	12 217	27 058	361 290	1 468 022	1 363 795	2 847 331	2	2		
		1997..	16 517	545 933	12 898	27 290	366 539	1 624 612	1 569 088	3 195 293	X	X		
326130	Laminated plastics plate, sheet, & shape mfg	1999..	14 989	534 730	11 373	25 477	356 878	1 515 833	1 286 388	2 797 195	3	2		
		1998..	15 689	542 124	12 217	27 058	361 290	1 468 022	1 363 795	2 847 331	2	2		
		1997..	16 517	545 933	12 898	27 290	366 539	1 624 612	1 569 088	3 195 293	X	X		
32614	Polystyrene foam product mfg	1999..	32 208	908 151	25 690	50 873	626 046	3 068 872	2 879 145	5 936 085	2	2		
		1998..	30 564	837 401	25 124	50 142	608 519	2 963 314	2 634 669	5 553 202	1	2		
		1997..	27 142	759 412	21 651	44 179	520 399	2 420 515	2 477 909	4 899 240	X	X		
326140	Polystyrene foam product mfg	1999..	32 208	908 151	25 690	50 873	626 046	3 068 872	2 879 145	5 936 085	2	2		
		1998..	30 564	837 401	25 124	50 142	608 519	2 963 314	2 634 669	5 553 202	1	2		
		1997..	27 142	759 412	21 651	44 179	520 399	2 420 515	2 477 909	4 899 240	X	X		
32615	Urethane & other foam product (except polystyrene) mfg	1999..	36 570	1 048 515	29 529	57 746	701 842	3 278 554	4 268 745	7 504 118	3	4		
		1998..	35 985	1 027 980	28 523	54 203	665 377	2 875 746	3 810 247	6 674 974	1	2		
		1997..	37 362	1 008 426	29 732	56 309	657 957	2 822 544	3 860 712	6 664 656	X	X		
326150	Urethane & other foam product (except polystyrene) mfg	1999..	36 570	1 048 515	29 529	57 746	701 842	3 278 554	4 268 745	7 504 118	3	4		
		1998..	35 985	1 027 980	28 523	54 203	665 377	2 875 746	3 810 247	6 674 974	1	2		
		1997..	37 362	1 008 426	29 732	56 309	657 957	2 822 544	3 860 712	6 664 656	X	X		
32616	Plastics bottle mfg	1999..	36 917	1 070 003	31 900	65 877	845 921	3 752 734	3 475 056	7 191 179	3	2		
		1998..	35 160	1 016 353	30 045	60 820	762 464	3 420 758	3 526 666	6 939 204	1	3		
		1997..	33 933	963 813	28 892	59 651	736 959	3 097 170	3 267 717	6 335 218	X	X		
326160	Plastics bottle mfg	1999..	36 917	1 070 003	31 900	65 877	845 921	3 752 734	3 475 056	7 191 179	3	2		
		1998..	35 160	1 016 353	30 045	60 820	762 464	3 420 758	3 526 666	6 939 204	1	3		
		1997..	33 933	963 813	28 892	59 651	736 959	3 097 170	3 267 717	6 335 218	X	X		
32619	Other plastics product mfg	1999..	578 220	16 454 561	458 772	915 014	10 595 300	43 128 514	34 690 007	77 635 699	1	1		
		1998..	560 475	15 484 052	444 494	878 843	10 026 685	39 778 138	32 719 709	72 415 578	1	1		
		1997..	548 042	14 695 918	430 710	840 116	9 405 594	37 657 947	31 952 756	69 497 829	X	X		
326191	Plastics plumbing fixture mfg	1999..	22 016	571 185	17 243	33 666	357 915	1 574 784	1 139 376	2 700 022	3	4		
		1998..	19 269	496 085	14 894	32 079	322 721	1 429 110	1 015 808	2 432 734	5	3		
		1997..	19 254	452 514	14 913	29 618	299 326	1 239 095	937 423	2 181 207	X	X		
326192	Resilient floor covering mfg	1999..	5 507	223 385	4 061	8 537	141 497	890 217	814 949	1 716 456	4	1		
		1998..	6 484	277 255	5 107	10 367	202 214	915 249	796 389	1 729 258	1	1		
		1997..	6 070	270 689	4 739	9 694	199 622	946 321	758 886	1 684 216	X	X		
326199	All other plastics product mfg	1999..	550 696	15 659 990	437 468	872 812	10 095 888	40 663 512	32 735 682	73 219 221	1	1		
		1998..	534 723	14 710 712	424 492	836 398	9 501 750	37 433 778	30 907 512	68 253 586	1	1		
		1997..	522 718	13 972 715	411 058	800 804	8 906 646	35 472 531	30 256 447	65 632 406	X	X		
3262	Rubber product mfg	1999..	211 096	7 269 947	168 260	346 989	5 197 243	19 162 867	16 442 212	35 524 226	1	1		
		1998..	204 888	6 930 454	164 151	335 742	4 977 668	18 578 078	16 486 622	35 075 719	1	1		
		1997..	202 353	6 775 334	161 272	330 493	4 870 844	18 068 296	16 589 739	34 715 972	X	X		
32621	Tire mfg	1999..	72 614	3 102 745	60 700	124 958	2 438 406	8 041 978	7 023 066	14 999 931	1	1		
		1998..	73 577	3 028 618	61 425	124 538	2 394 817	8 024 941	7 286 152	15 322 206	1	1		
		1997..	72 189	2 962 564	60 041	123 368	2 345 619	7 917 563	7 754 560	15 699 140	X	X		
326211	Tire mfg (except retreading)	1999..	64 747	2 901 350	54 799	112 117	2 307 306	7 671 986	6 405 874	14 013 649	1	1		
		1998..	65 429	2 824 020	55 167	110 976	2 256 771	7 570 262	6 735 883	14 318 766	1	1		
		1997..	64 334	2 772 569	54 156	110 662	2 219 999	7 521 527	7 182 764	14 728 525	X	X		
326212	Tire retreading	1999..	7 866	201 395	5 901	12 841	131 100	369 992	617 192	986 282	4	4		
		1998..	8 148	204 598	6 258	13 562	138 047	454 679	550 268	1 003 440	3	3		
		1997..	7 855	189 995	5 885	12 706	125 620	396 036	571 796	970 615	X	X		

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
326	Plastics & rubber products mfg—Con.										
3262	Rubber product mfg—Con.										
32622	Rubber & plastics hoses & belting mfg	1999.. 25 455	828 313	19 815	40 468	572 857	2 391 145	2 025 594	4 400 665	2	3
		1998.. 24 181	775 834	19 092	39 592	536 899	2 236 910	1 944 952	4 191 333	1	1
		1997.. 24 182	749 220	18 758	39 339	521 633	2 162 353	1 822 849	4 025 238	X	X
326220	Rubber & plastics hoses & belting mfg	1999.. 25 455	828 313	19 815	40 468	572 857	2 391 145	2 025 594	4 400 665	2	3
		1998.. 24 181	775 834	19 092	39 592	536 899	2 236 910	1 944 952	4 191 333	1	1
		1997.. 24 182	749 220	18 758	39 339	521 633	2 162 353	1 822 849	4 025 238	X	X
32629	Other rubber product mfg	1999.. 113 028	3 338 890	87 746	181 564	2 185 981	8 729 745	7 393 551	16 123 629	1	2
		1998.. 107 130	3 126 003	83 634	171 612	2 045 951	8 316 227	7 255 518	15 562 181	1	2
		1997.. 105 982	3 063 550	82 473	167 786	2 003 592	7 988 380	7 012 330	14 991 594	X	X
326291	Rubber product mfg for mechanical use	1999.. 60 583	1 779 171	48 701	102 555	1 220 443	4 459 780	3 186 323	7 653 755	1	2
		1998.. 56 741	1 658 528	46 070	96 001	1 142 384	4 010 490	3 131 749	7 115 858	1	3
		1997.. 55 397	1 593 564	44 429	91 977	1 091 734	3 857 118	2 835 920	6 668 381	X	X
326299	All other rubber product mfg	1999.. 52 444	1 559 718	39 045	79 009	965 538	4 269 964	4 207 228	8 469 875	3	3
		1998.. 50 390	1 467 474	37 564	75 611	903 567	4 305 736	4 123 769	8 446 322	1	2
		1997.. 50 585	1 469 986	38 044	75 809	911 858	4 131 262	4 176 410	8 323 213	X	X
327	Nonmetallic mineral product mfg	1999.. 525 980	17 948 446	410 785	871 299	12 619 616	56 538 142	41 191 397	97 498 426	1	1
		1998.. 507 938	16 865 696	397 122	862 074	11 943 566	52 851 161	39 623 487	92 501 490	1	1
		1997.. 501 471	16 172 049	388 898	797 684	11 319 464	49 425 491	37 072 480	86 464 708	X	X
3271	Clay product & refractory mfg	1999.. 77 176	2 293 697	61 386	124 847	1 625 291	6 306 409	3 095 073	9 404 687	1	1
		1998.. 77 657	2 229 006	61 949	123 749	1 579 765	5 957 470	3 169 435	9 127 901	1	1
		1997.. 80 441	2 235 382	63 892	126 455	1 576 150	5 915 703	3 201 379	9 107 840	X	X
32711	Pottery, ceramics, & plumbing fixture mfg	1999.. 39 678	1 119 983	32 258	65 171	816 719	2 913 718	1 161 682	4 069 826	2	2
		1998.. 41 155	1 125 359	33 346	65 238	820 798	2 888 564	1 255 088	4 132 541	2	1
		1997.. 42 557	1 114 784	34 231	66 068	803 891	2 813 867	1 199 660	3 992 979	X	X
327111	Vitreous china plumbing fixture & bathroom accessories mfg	1999.. 9 023	290 562	7 622	16 727	239 828	898 376	292 964	1 181 150	5	5
		1998.. 9 604	306 131	8 328	17 371	254 868	877 618	323 097	1 199 102	1	1
		1997.. 9 222	284 871	7 816	16 305	234 827	807 165	287 587	1 109 995	X	X
327112	Vitreous china, fine earthenware, & other pottery product mfg	1999.. 21 225	518 276	17 335	33 346	369 964	1 247 178	501 712	1 750 705	4	2
		1998.. 22 103	510 009	17 693	33 522	363 817	1 225 955	506 917	1 721 517	1	1
		1997.. 23 253	504 659	18 575	33 644	353 921	1 208 102	540 985	1 715 783	X	X
327113	Porcelain electrical supply mfg	1999.. 9 430	311 145	7 301	15 098	206 928	768 164	367 006	1 137 971	2	3
		1998.. 9 448	309 219	7 326	14 345	202 113	784 991	425 073	1 211 922	6	2
		1997.. 10 082	325 254	7 840	16 119	215 143	798 600	371 088	1 167 201	X	X
32712	Clay building material & refractories mfg	1999.. 37 498	1 173 714	29 127	59 675	808 572	3 392 691	1 933 391	5 334 861	1	2
		1998.. 36 502	1 103 647	28 602	58 511	758 968	3 068 906	1 914 347	4 995 359	1	1
		1997.. 37 884	1 120 598	29 661	60 387	772 259	3 101 836	2 001 719	5 114 861	X	X
327121	Brick & structural clay tile mfg	1999.. 14 157	410 888	11 334	23 159	285 537	1 230 347	485 154	1 736 724	2	3
		1998.. 13 182	363 358	10 547	22 018	250 658	1 047 273	421 298	1 484 450	2	2
		1997.. 13 694	360 947	10 858	22 136	248 671	970 014	439 178	1 411 833	X	X
327122	Ceramic wall & floor tile mfg	1999.. 8 639	223 123	6 811	13 679	160 557	675 065	305 991	972 975	4	6
		1998.. 8 337	203 764	7 114	13 849	159 136	526 377	298 724	808 892	2	1
		1997.. 8 755	214 860	7 439	15 017	166 180	556 920	297 905	851 405	X	X
327123	Other structural clay product mfg	1999.. 1 320	37 924	1 024	2 105	26 469	101 754	32 814	134 915	6	3
		1998.. 1 490	38 270	1 143	2 312	24 871	90 388	35 981	128 580	1	1
		1997.. 1 332	35 163	1 025	1 945	22 877	80 941	34 771	117 376	X	X
327124	Clay refractory mfg	1999.. 5 025	184 814	4 068	8 452	141 523	512 918	431 904	938 764	5	5
		1998.. 5 617	201 829	4 231	8 793	139 947	535 987	536 453	1 084 499	1	2
		1997.. 5 781	199 274	4 386	8 809	138 806	564 030	552 865	1 115 939	X	X
327125	Nonclay refractory mfg	1999.. 8 357	316 966	5 890	12 281	194 487	872 608	677 528	1 551 482	3	3
		1998.. 7 876	296 426	5 567	11 539	184 355	868 881	621 892	1 488 938	1	1
		1997.. 8 322	310 354	5 953	12 480	195 725	929 931	677 000	1 618 308	X	X
3272	Glass & glass product mfg	1999.. 127 690	4 647 502	105 277	220 824	3 435 104	14 492 700	9 162 709	23 595 405	1	1
		1998.. 127 206	4 442 821	104 876	215 934	3 330 096	13 937 363	8 816 769	22 666 755	1	1
		1997.. 128 565	4 428 351	105 051	217 330	3 320 718	14 052 256	8 735 491	22 732 942	X	X
32721	Glass & glass product mfg	1999.. 127 690	4 647 502	105 277	220 824	3 435 104	14 492 700	9 162 709	23 595 405	1	1
		1998.. 127 206	4 442 821	104 876	215 934	3 330 096	13 937 363	8 816 769	22 666 755	1	1
		1997.. 128 565	4 428 351	105 051	217 330	3 320 718	14 052 256	8 735 491	22 732 942	X	X
327211	Flat glass mfg	1999.. 11 053	554 363	9 124	20 126	437 975	1 857 901	888 055	2 745 969	1	1
		1998.. 11 500	540 673	9 476	21 012	422 610	1 766 794	936 703	2 720 682	1	1
		1997.. 11 579	535 454	9 474	21 457	421 377	1 888 714	926 796	2 795 507	X	X
327212	Other pressed & blown glass & glassware mfg	1999.. 35 013	1 244 957	29 255	60 660	954 952	4 018 439	1 747 555	5 787 152	1	1
		1998.. 35 089	1 218 756	29 539	61 830	949 920	4 217 055	1 883 150	6 060 145	1	1
		1997.. 35 383	1 228 719	29 423	61 361	943 615	4 341 468	1 809 430	6 094 602	X	X
327213	Glass container mfg	1999.. 19 220	818 898	17 146	34 668	695 074	2 690 808	1 550 300	4 215 397	1	1
		1998.. 19 935	822 235	17 879	35 924	698 497	2 677 305	1 594 989	4 216 315	1	1
		1997.. 21 184	840 703	18 679	37 300	710 641	2 557 999	1 589 110	4 198 122	X	X
327215	Glass product mfg made of purchased glass	1999.. 62 405	2 029 284	49 752	105 370	1 347 103	5 925 552	4 976 799	10 846 887	1	1
		1998.. 60 682	1 861 156	47 981	97 168	1 259 069	5 276 209	4 401 926	9 669 613	2	1
		1997.. 60 419	1 823 475	47 475	97 212	1 245 085	5 264 075	4 410 155	9 644 711	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
327	Nonmetallic mineral product mfg—Con.										
3273	Cement & concrete product mfg	1999.. 218 694	7 428 353	166 422	360 104	5 103 739	22 714 324	19 976 880	42 549 582	1	1
		1998.. 201 890	6 713 871	153 770	329 037	4 597 674	20 472 893	18 632 496	39 158 817	1	1
		1997.. 194 970	6 190 454	145 829	300 841	4 172 094	17 964 132	16 639 105	34 591 507	X	X
32731	Cement mfg	1999.. 17 356	813 023	12 916	28 755	549 345	4 828 063	2 508 099	7 267 880	1	1
		1998.. 17 227	756 333	12 706	27 382	505 424	4 440 531	2 528 933	6 984 000	1	1
		1997.. 16 925	734 226	12 496	27 244	498 001	4 022 503	2 475 798	6 531 747	X	X
327310	Cement mfg	1999.. 17 356	813 023	12 916	28 755	549 345	4 828 063	2 508 099	7 267 880	1	1
		1998.. 17 227	756 333	12 706	27 382	505 424	4 440 531	2 528 933	6 984 000	1	1
		1997.. 16 925	734 226	12 496	27 244	498 001	4 022 503	2 475 798	6 531 747	X	X
32732	Ready-mix concrete mfg.....	1999.. 103 514	3 583 699	82 525	176 856	2 636 337	9 771 428	11 366 382	21 148 445	1	2
		1998.. 94 401	3 177 079	75 157	158 418	2 346 495	8 832 097	10 533 584	19 388 319	1	1
		1997.. 93 136	2 965 346	72 464	147 770	2 153 268	7 780 774	9 418 330	17 219 886	X	X
327320	Ready-mix concrete mfg.....	1999.. 103 514	3 583 699	82 525	176 856	2 636 337	9 771 428	11 366 382	21 148 445	1	2
		1998.. 94 401	3 177 079	75 157	158 418	2 346 495	8 832 097	10 533 584	19 388 319	1	1
		1997.. 93 136	2 965 346	72 464	147 770	2 153 268	7 780 774	9 418 330	17 219 886	X	X
32733	Concrete pipe, brick, & block mfg	1999.. 36 152	1 214 885	25 477	57 627	743 741	3 637 670	2 925 269	6 534 740	3	3
		1998.. 34 108	1 108 273	23 698	51 501	659 381	3 274 963	2 613 999	5 903 754	2	5
		1997.. 32 164	990 225	22 043	46 594	580 378	2 655 107	2 233 924	4 852 512	X	X
327331	Concrete block & brick mfg	1999.. 21 276	700 316	13 416	30 564	401 067	1 979 353	1 981 602	3 944 091	3	5
		1998.. 19 602	636 918	12 486	26 451	344 081	1 751 508	1 696 743	3 454 680	3	5
		1997.. 18 079	559 417	11 202	23 738	292 938	1 463 652	1 407 165	2 844 076	X	X
327332	Concrete pipe mfg	1999.. 14 876	514 569	12 061	27 062	342 674	1 658 317	943 667	2 590 650	4	4
		1998.. 14 506	471 355	11 212	25 050	315 300	1 523 455	917 256	2 449 074	3	9
		1997.. 14 085	430 808	10 841	22 856	287 440	1 191 455	826 759	2 008 436	X	X
32739	Other concrete product mfg	1999.. 61 672	1 816 746	45 505	96 867	1 174 315	4 477 163	3 177 130	7 598 517	2	2
		1998.. 56 155	1 672 186	42 210	91 736	1 086 374	3 925 301	2 955 980	6 882 744	1	2
		1997.. 52 745	1 500 657	38 826	79 233	940 447	3 505 748	2 511 053	5 987 362	X	X
327390	Other concrete product mfg	1999.. 61 672	1 816 746	45 505	96 867	1 174 315	4 477 163	3 177 130	7 598 517	2	2
		1998.. 56 155	1 672 186	42 210	91 736	1 086 374	3 925 301	2 955 980	6 882 744	1	2
		1997.. 52 745	1 500 657	38 826	79 233	940 447	3 505 748	2 511 053	5 987 362	X	X
3274	Lime & gypsum product mfg	1999.. 21 005	789 220	16 759	38 242	590 753	3 984 937	3 028 940	7 007 026	2	1
		1998.. 20 562	776 129	16 473	37 700	586 164	3 619 495	2 993 224	6 670 905	3	6
		1997.. 18 856	691 349	14 990	34 125	508 612	2 816 807	2 709 641	5 533 623	X	X
32741	Lime mfg	1999.. 5 723	219 718	4 372	9 535	163 168	782 804	515 727	1 299 933	2	2
		1998.. 5 748	222 163	4 386	10 153	165 517	755 414	527 490	1 295 970	2	11
		1997.. 5 313	194 786	4 067	9 017	144 758	614 959	548 714	1 168 450	X	X
327410	Lime mfg	1999.. 5 723	219 718	4 372	9 535	163 168	782 804	515 727	1 299 933	2	2
		1998.. 5 748	222 163	4 386	10 153	165 517	755 414	527 490	1 295 970	2	11
		1997.. 5 313	194 786	4 067	9 017	144 758	614 959	548 714	1 168 450	X	X
32742	Gypsum product mfg	1999.. 15 282	569 502	12 387	28 707	427 585	3 202 133	2 513 213	5 707 093	2	2
		1998.. 14 813	553 966	12 087	27 547	420 647	2 864 081	2 465 737	5 374 935	4	7
		1997.. 13 543	496 563	10 923	25 108	363 854	2 201 848	2 160 927	4 365 173	X	X
327420	Gypsum product mfg	1999.. 15 282	569 502	12 387	28 707	427 585	3 202 133	2 513 213	5 707 093	2	2
		1998.. 14 813	553 966	12 087	27 547	420 647	2 864 081	2 465 737	5 374 935	4	7
		1997.. 13 543	496 563	10 923	25 108	363 854	2 201 848	2 160 927	4 365 173	X	X
3279	Other nonmetallic mineral product mfg	1999.. 81 415	2 789 674	60 942	127 281	1 864 730	9 039 772	5 927 795	14 941 726	1	1
		1998.. 80 623	2 703 870	60 054	125 654	1 849 866	8 863 939	6 011 563	14 877 112	1	1
		1997.. 78 639	2 626 513	59 136	118 933	1 741 890	8 676 593	5 786 864	14 498 796	X	X
32791	Abrasive product mfg	1999.. 21 076	742 755	14 267	29 977	410 634	2 925 570	1 550 997	4 450 866	2	2
		1998.. 21 551	756 109	14 591	32 016	450 195	2 942 787	1 740 689	4 724 254	3	3
		1997.. 22 571	782 054	15 894	31 023	424 991	2 918 902	1 714 596	4 660 043	X	X
327910	Abrasive product mfg	1999.. 21 076	742 755	14 267	29 977	410 634	2 925 570	1 550 997	4 450 866	2	2
		1998.. 21 551	756 109	14 591	32 016	450 195	2 942 787	1 740 689	4 724 254	3	3
		1997.. 22 571	782 054	15 894	31 023	424 991	2 918 902	1 714 596	4 660 043	X	X
32799	All other nonmetallic mineral product mfg	1999.. 60 339	2 046 919	46 675	97 304	1 454 095	6 114 202	4 376 798	10 490 860	2	2
		1998.. 59 072	1 947 762	45 463	93 638	1 399 671	5 921 152	4 270 874	10 152 858	1	2
		1997.. 56 068	1 844 459	43 242	87 910	1 316 899	5 757 691	4 072 268	9 838 753	X	X
327991	Cut stone & stone product mfg	1999.. 15 691	418 788	12 573	24 366	319 230	956 682	529 192	1 491 756	4	10
		1998.. 14 332	369 175	11 192	23 207	281 875	809 108	508 888	1 301 546	2	6
		1997.. 13 109	350 549	10 284	20 832	254 798	790 761	451 203	1 244 735	X	X
327992	Ground or treated mineral & earth mfg	1999.. 10 065	366 911	7 423	15 988	236 404	1 352 784	941 089	2 282 105	2	3
		1998.. 9 757	353 037	7 170	15 054	229 330	1 315 086	902 660	2 222 143	3	5
		1997.. 10 115	360 995	7 149	15 130	227 263	1 427 108	943 880	2 362 480	X	X
327993	Mineral wool mfg	1999.. 22 823	904 504	18 304	39 320	673 253	2 820 539	2 017 602	4 843 808	3	2
		1998.. 22 498	862 871	18 221	37 634	656 774	2 692 889	1 877 088	4 564 483	2	1
		1997.. 21 610	811 380	17 791	36 164	624 686	2 601 843	1 803 109	4 422 507	X	X
327999	All other miscellaneous nonmetallic mineral product mfg	1999.. 11 759	356 716	8 374	17 631	225 209	984 197	888 915	1 873 191	5	4
		1998.. 12 486	362 679	8 880	17 744	231 693	1 104 069	982 238	2 064 686	2	4
		1997.. 11 234	321 535	8 018	15 784	210 152	937 979	874 076	1 809 031	X	X
331	Primary metal mfg	1999.. 586 443	23 726 374	466 057	985 179	17 235 573	66 733 105	91 148 868	158 101 754	1	1
		1998.. 602 292	24 146 138	479 441	1 009 931	17 550 850	69 139 206	96 949 673	166 108 562	1	1
		1997.. 605 085	23 811 233	479 552	1 024 675	17 354 552	68 749 487	99 343 265	168 117 728	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
331	Primary metal mfg—Con.										
3311	Iron & steel mills & ferroalloy mfg	1999.. 141 321	7 288 484	110 694	241 090	5 477 178	21 781 022	31 114 046	53 053 898	1	1
		1998.. 148 392	7 661 084	116 310	252 494	5 756 821	24 416 122	32 711 493	57 047 607	1	1
		1997.. 149 875	7 604 810	117 490	258 552	5 751 639	25 432 010	33 174 527	58 383 159	X	X
33111	Iron & steel mills & ferroalloy mfg	1999.. 141 321	7 288 484	110 694	241 090	5 477 178	21 781 022	31 114 046	53 053 898	1	1
		1998.. 148 392	7 661 084	116 310	252 494	5 756 821	24 416 122	32 711 493	57 047 607	1	1
		1997.. 149 875	7 604 810	117 490	258 552	5 751 639	25 432 010	33 174 527	58 383 159	X	X
331111	Iron & steel mills	1999.. 137 889	7 131 306	108 327	235 653	5 378 200	21 356 489	30 390 876	51 898 573	1	1
		1998.. 144 723	7 501 782	113 737	246 519	5 654 675	23 853 178	31 836 630	55 614 780	1	1
		1997.. 146 215	7 450 380	114 865	252 629	5 649 360	24 868 550	32 324 688	56 994 468	X	X
331112	Electrometallurgical ferroalloy product mfg	1999.. 3 432	157 178	2 367	5 436	98 978	424 533	723 170	1 155 325	6	3
		1998.. 3 669	159 302	2 573	5 975	102 146	562 944	874 863	1 432 827	1	1
		1997.. 3 660	154 430	2 625	5 923	102 279	563 460	849 839	1 388 691	X	X
3312	Steel product mfg from purchased steel	1999.. 61 667	2 291 438	48 788	102 269	1 604 262	6 370 762	10 448 566	16 842 433	2	2
		1998.. 64 483	2 380 165	50 829	107 853	1 685 704	6 572 907	12 215 083	18 823 409	2	1
		1997.. 64 200	2 306 920	49 895	105 540	1 620 447	6 762 383	11 817 088	18 516 877	X	X
33121	Iron & steel pipes & tubes mfg from purchased steel	1999.. 25 947	949 400	20 627	42 027	648 284	2 692 521	4 472 544	7 162 380	4	4
		1998.. 27 313	994 813	21 379	45 311	682 535	2 615 360	4 894 145	7 537 341	1	1
		1997.. 26 864	956 735	21 004	44 364	658 737	2 784 745	4 698 884	7 450 132	X	X
331210	Iron & steel pipes & tubes mfg from purchased steel	1999.. 25 947	949 400	20 627	42 027	648 284	2 692 521	4 472 544	7 162 380	4	4
		1998.. 27 313	994 813	21 379	45 311	682 535	2 615 360	4 894 145	7 537 341	1	1
		1997.. 26 864	956 735	21 004	44 364	658 737	2 784 745	4 698 884	7 450 132	X	X
33122	Rolling & drawing of purchased steel	1999.. 35 720	1 342 038	28 161	60 242	955 977	3 678 241	5 976 022	9 680 053	1	1
		1998.. 37 170	1 385 352	29 450	62 542	1 003 168	3 957 547	7 320 938	11 286 069	4	2
		1997.. 37 336	1 350 185	28 891	61 176	961 710	3 977 638	7 118 204	11 066 745	X	X
331221	Cold-rolled steel shape mfg	1999.. 12 172	553 837	9 002	19 282	374 665	1 588 006	3 215 953	4 824 857	2	1
		1998.. 14 319	637 705	10 493	22 081	436 130	1 934 527	4 323 644	6 266 371	1	2
		1997.. 14 106	630 082	10 234	21 284	433 053	2 030 226	4 227 476	6 239 017	X	X
331222	Steel wire drawing	1999.. 23 547	788 201	19 159	40 960	581 313	2 090 235	2 760 069	4 855 196	1	2
		1998.. 22 851	747 646	18 957	40 461	567 039	2 023 020	2 997 294	5 019 698	6	3
		1997.. 23 230	720 103	18 657	39 892	528 657	1 947 412	2 890 728	4 827 728	X	X
3313	Alumina & aluminum production & processing	1999.. 83 680	3 297 934	65 892	137 201	2 288 488	11 423 033	19 468 407	31 036 112	1	1
		1998.. 85 462	3 335 937	67 646	141 364	2 315 117	11 071 405	20 677 484	31 902 449	1	1
		1997.. 84 487	3 345 036	66 665	142 548	2 344 731	10 063 942	22 294 745	32 550 279	X	X
33131	Alumina & aluminum production & processing	1999.. 83 680	3 297 934	65 892	137 201	2 288 488	11 423 033	19 468 407	31 036 112	1	1
		1998.. 85 462	3 335 937	67 646	141 364	2 315 117	11 071 405	20 677 484	31 902 449	1	1
		1997.. 84 487	3 345 036	66 665	142 548	2 344 731	10 063 942	22 294 745	32 550 279	X	X
331311	Alumina refining	1999.. 2 870	132 912	2 117	4 464	90 111	282 681	898 351	1 179 154	1	1
		1998.. 3 004	140 710	2 258	4 994	97 849	356 424	957 643	1 313 383	1	1
		1997.. 3 035	150 696	2 278	5 060	102 416	329 432	816 488	1 219 057	X	X
331312	Primary aluminum production	1999.. 16 562	706 761	13 341	26 622	512 547	2 401 203	3 836 547	6 158 355	1	1
		1998.. 16 317	730 453	13 098	26 621	524 792	2 299 357	3 912 975	6 211 867	1	1
		1997.. 15 763	707 402	12 624	26 074	512 941	2 432 972	3 706 850	6 224 610	X	X
331314	Secondary smelting & alloying of aluminum	1999.. 7 237	246 501	5 595	11 999	164 221	821 690	2 740 571	3 538 088	2	7
		1998.. 6 918	237 122	5 391	11 996	161 364	873 707	2 698 716	3 566 237	1	6
		1997.. 6 614	226 469	5 036	10 930	149 770	796 535	2 799 262	3 595 436	X	X
331315	Aluminum sheet, plate, & foil mfg	1999.. 22 138	1 061 046	17 016	36 442	737 063	4 695 686	7 642 629	12 554 837	3	1
		1998.. 23 416	1 083 592	17 831	38 522	736 990	4 459 105	8 498 568	13 054 353	1	1
		1997.. 24 709	1 175 506	19 015	41 140	818 202	3 546 870	10 076 298	13 708 307	X	X
331316	Aluminum extruded product mfg	1999.. 30 811	1 009 676	24 578	50 858	684 715	2 775 888	3 291 180	6 097 289	1	2
		1998.. 31 690	1 001 575	25 803	52 270	691 486	2 540 236	3 570 602	6 170 183	1	1
		1997.. 30 357	944 829	24 556	52 804	661 814	2 476 351	3 742 324	6 177 701	X	X
331319	Other aluminum rolling & drawing	1999.. 4 062	141 038	3 246	6 815	99 831	445 885	1 059 128	1 508 390	1	3
		1998.. 4 115	142 485	3 265	6 960	102 636	542 575	1 038 980	1 586 426	1	1
		1997.. 4 009	140 134	3 156	6 540	99 588	481 782	1 153 523	1 625 168	X	X
3314	Nonferrous metal (except aluminum) production & processing	1999.. 74 815	2 950 117	55 330	119 937	1 960 795	9 503 422	18 071 265	27 514 626	2	2
		1998.. 80 519	3 062 091	60 215	127 645	2 051 831	9 745 247	19 210 179	26 990 718	1	1
		1997.. 81 162	3 048 301	60 466	130 927	2 050 452	9 598 600	19 838 235	29 616 370	X	X
33141	Nonferrous metal (except aluminum) smelting & refining	1999.. 13 981	579 730	9 950	21 839	376 052	2 299 099	6 090 993	8 364 218	3	2
		1998.. 16 102	628 798	11 675	25 421	424 960	2 469 228	6 498 857	8 975 322	1	1
		1997.. 16 568	651 108	12 234	26 895	441 795	2 455 517	6 977 108	9 530 263	X	X
331411	Primary smelting & refining of copper	1999.. 4 909	202 667	3 688	7 944	148 401	833 322	4 205 995	5 044 593	1	1
		1998.. 6 539	249 314	5 000	11 174	188 795	987 607	4 598 402	5 608 129	1	1
		1997.. 7 360	287 382	5 721	12 640	218 511	1 029 440	5 101 388	6 128 370	X	X
331419	Other nonferrous metal primary smelting & refining	1999.. 9 072	377 062	6 262	13 895	227 651	1 465 777	1 884 998	3 319 625	4	3
		1998.. 9 563	379 484	6 674	14 246	236 164	1 481 621	1 900 455	3 367 193	1	2
		1997.. 9 208	363 726	6 513	14 255	223 284	1 426 077	1 966 720	3 401 893	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
331	Primary metal mfg—Con.										
3314	Nonferrous metal (except aluminum) production & processing—Con.										
33142	Copper rolling, drawing, extruding, & alloying	1999.. 26 216	982 556	20 201	43 311	675 229	3 071 540	6 333 127	9 397 125	2	1
		1998.. 27 874	1 020 359	21 847	45 894	713 956	3 019 928	6 695 493	9 743 085	1	2
		1997.. 27 583	996 132	21 275	46 338	695 579	2 951 706	6 834 865	9 800 616	X	X
331421	Copper rolling, drawing, & extruding	1999.. 19 616	760 994	15 499	33 844	547 185	2 415 749	4 880 869	7 290 887	1	2
		1998.. 21 112	798 339	16 867	35 624	580 381	2 333 827	5 204 899	7 551 082	1	1
		1997.. 21 012	780 787	16 504	36 325	564 338	2 303 999	5 306 797	7 619 953	X	X
331422	Copper wire (except mechanical) drawing	1999.. 4 530	137 703	3 315	6 514	83 118	347 440	643 260	986 840	8	6
		1998.. 4 476	132 770	3 428	6 891	85 684	378 141	662 505	1 050 400	3	17
		1997.. 4 238	124 240	3 191	6 593	82 651	324 392	659 613	983 284	X	X
331423	Secondary smelting, refining, & alloying of copper	1999.. 2 069	83 859	1 388	2 953	44 926	308 351	808 997	1 119 398	3	2
		1998.. 2 285	89 251	1 552	3 379	47 891	307 960	828 089	1 141 602	2	1
		1997.. 2 333	91 105	1 580	3 420	48 590	323 315	868 455	1 197 379	X	X
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	1999.. 34 618	1 387 831	25 179	54 787	909 514	4 132 783	5 647 145	9 753 283	3	5
		1998.. 36 544	1 412 933	26 693	56 330	912 916	4 256 091	6 015 289	10 272 312	1	1
		1997.. 37 011	1 401 061	26 957	57 694	913 078	4 191 377	6 026 262	10 285 491	X	X
331491	Other nonferrous metal rolling, drawing, & extruding	1999.. 24 530	988 260	17 756	38 161	650 776	3 066 298	3 733 578	6 768 763	2	1
		1998.. 25 581	997 651	18 685	39 156	647 863	3 051 813	4 001 655	7 049 867	1	1
		1997.. 25 484	977 877	18 616	40 298	643 810	2 982 604	4 013 631	7 057 705	X	X
331492	Other nonferrous metal secondary smelting, refining, & alloying	1999.. 10 088	399 572	7 423	16 626	258 739	1 066 485	1 913 568	2 984 520	11	18
		1998.. 10 963	415 282	8 008	17 174	265 052	1 204 278	2 014 174	3 222 445	1	2
		1997.. 11 527	423 184	8 341	17 396	269 268	1 208 773	2 012 631	3 227 786	X	X
3315	Foundries	1999.. 224 961	7 898 402	185 353	384 683	5 904 851	17 654 866	12 046 583	29 654 685	1	1
		1998.. 223 436	7 706 861	184 442	380 575	5 741 377	17 333 526	12 135 434	29 344 378	2	1
		1997.. 225 361	7 506 166	185 036	387 108	5 587 283	16 892 552	12 218 670	29 051 043	X	X
33151	Ferrous metal foundries	1999.. 129 274	4 852 943	106 625	224 808	3 697 396	10 707 108	6 826 660	17 531 581	1	1
		1998.. 127 298	4 699 658	105 697	221 974	3 583 940	10 503 722	6 826 842	17 301 635	3	2
		1997.. 131 574	4 630 562	108 523	229 689	3 520 853	10 449 320	7 018 088	17 428 045	X	X
331511	Iron foundries	1999.. 82 921	3 348 621	69 155	148 831	2 600 654	7 321 524	4 912 495	12 249 788	1	2
		1998.. 80 456	3 185 121	67 615	144 684	2 474 145	7 008 027	4 918 438	11 901 857	4	3
		1997.. 85 429	3 211 357	70 950	153 103	2 476 238	7 043 449	5 144 588	12 187 267	X	X
331512	Steel investment foundries	1999.. 21 357	675 217	17 115	34 171	492 154	1 651 161	734 146	2 391 243	1	2
		1998.. 22 282	707 848	18 063	35 367	526 073	1 732 756	711 634	2 445 360	4	2
		1997.. 22 673	669 452	18 385	36 870	494 655	1 656 130	715 264	2 341 737	X	X
331513	Steel foundries (except investment) ..	1999.. 24 996	829 105	20 355	41 805	604 588	1 734 423	1 180 019	2 890 550	2	2
		1998.. 24 560	806 689	20 019	41 923	583 722	1 762 940	1 196 770	2 954 419	1	1
		1997.. 23 472	749 753	19 188	39 716	549 960	1 749 741	1 158 236	2 899 041	X	X
33152	Nonferrous metal foundries	1999.. 95 686	3 045 458	78 728	159 875	2 207 454	6 947 759	5 219 233	12 123 104	2	2
		1998.. 96 138	3 007 203	78 745	158 601	2 157 437	6 829 803	5 308 592	12 042 743	1	2
		1997.. 93 787	2 875 604	76 513	157 419	2 066 430	6 443 232	5 200 582	11 622 998	X	X
331521	Aluminum die-casting foundries	1999.. 28 602	936 373	23 854	48 335	710 261	2 055 544	1 809 488	3 844 034	3	4
		1998.. 28 067	931 554	23 196	47 781	689 706	2 116 946	1 908 736	3 963 483	2	3
		1997.. 27 516	899 544	22 771	47 159	675 908	1 967 631	1 874 589	3 843 845	X	X
331522	Nonferrous (except aluminum) die-casting foundries	1999.. 16 627	498 386	13 410	26 560	346 441	1 302 367	865 340	2 161 869	3	9
		1998.. 17 477	509 048	14 028	26 082	354 189	1 219 647	942 566	2 175 386	3	3
		1997.. 16 840	488 196	13 421	26 711	337 972	1 128 064	868 735	1 998 772	X	X
331524	Aluminum foundries (except die-casting)	1999.. 34 885	1 108 696	28 823	59 068	806 016	2 445 539	1 795 920	4 226 252	5	2
		1998.. 35 234	1 056 853	28 891	59 429	766 254	2 288 331	1 756 738	4 050 612	1	1
		1997.. 33 768	1 006 954	27 581	57 846	718 127	2 195 343	1 725 459	3 916 527	X	X
331525	Copper foundries (except die-casting)	1999.. 9 366	269 530	7 741	15 551	195 523	548 078	366 962	909 923	5	5
		1998.. 9 353	271 763	7 854	15 765	199 780	524 971	346 183	864 496	5	4
		1997.. 8 868	258 151	7 388	14 997	191 431	511 783	339 705	846 578	X	X
331528	Other nonferrous foundries (except die-casting)	1999.. 6 207	232 472	4 901	10 361	149 213	596 231	382 213	981 026	6	3
		1998.. 6 008	237 985	4 777	9 544	147 507	679 907	354 368	988 765	9	12
		1997.. 6 795	222 759	5 352	10 706	142 992	640 411	392 094	1 017 276	X	X
332	Fabricated metal product mfg	1999.. 1 798 771	59 914 513	1 358 638	2 775 634	38 466 078	142 451 199	114 654 094	256 899 456	1	1
		1998.. 1 811 231	59 343 525	1 370 317	2 808 130	38 061 171	139 741 081	114 554 012	253 720 456	1	1
		1997.. 1 763 772	56 631 583	1 327 053	2 674 948	36 251 771	133 493 077	110 067 843	242 813 453	X	X
3321	Forging & stamping	1999.. 162 042	5 649 312	123 516	256 898	3 697 552	13 376 390	12 604 619	26 113 418	1	2
		1998.. 163 571	5 737 171	124 881	262 889	3 731 305	13 076 527	12 614 959	25 645 686	1	1
		1997.. 158 944	5 461 638	121 141	254 289	3 565 677	12 458 562	12 039 551	24 375 589	X	X
33211	Forging & stamping	1999.. 162 042	5 649 312	123 516	256 898	3 697 552	13 376 390	12 604 619	26 113 418	1	2
		1998.. 163 571	5 737 171	124 881	262 889	3 731 305	13 076 527	12 614 959	25 645 686	1	1
		1997.. 158 944	5 461 638	121 141	254 289	3 565 677	12 458 562	12 039 551	24 375 589	X	X
332111	Iron & steel forging	1999.. 26 003	1 008 126	19 604	41 347	681 744	2 319 532	2 414 434	4 785 986	3	2
		1998.. 28 404	1 133 210	21 224	44 929	748 963	2 656 789	2 708 535	5 378 169	2	2
		1997.. 26 156	1 020 473	19 766	42 001	687 494	2 423 265	2 482 765	4 869 727	X	X
332112	Nonferrous forging	1999.. 9 570	377 766	7 182	14 423	249 590	986 339	931 600	1 978 454	2	3
		1998.. 9 258	353 955	7 026	14 761	242 438	999 364	855 104	1 845 332	1	1
		1997.. 8 991	363 301	6 850	15 270	254 379	991 288	856 947	1 838 385	X	X
332114	Custom roll forming	1999.. 15 869	537 341	11 794	24 358	336 188	1 418 799	2 196 277	3 634 571	2	3
		1998.. 15 538	542 067	11 077	23 779	332 709	1 304 404	2 180 582	3 483 675	2	6
		1997.. 15 852	522 950	11 370	23 765	314 799	1 343 729	1 992 247	3 301 907	X	X
332115	Crown & closure mfg	1999.. 4 131	158 597	3 494	7 611	120 067	409 892	495 205	907 026	1	1
		1998.. 3 757	155 817	3 251	7 619	116 521	426 200	502 947	923 589	20	4
		1997.. 4 576	161 511	3 787	7 949	120 527	430 618	519 503	953 864	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
332	Fabricated metal product mfg—Con.										
3321	Forging & stamping—Con.										
33211	Forging & stamping—Con.										
332116	Metal stamping	1999.. 96 182	3 204 131	73 851	152 918	2 074 292	7 307 157	5 965 167	13 264 373	1	2
		1998.. 95 402	3 159 060	74 085	154 658	2 042 318	6 856 422	5 791 217	12 614 240	1	2
		1997.. 92 511	3 022 396	71 443	148 535	1 950 581	6 471 538	5 637 898	12 078 985	X	X
332117	Powder metallurgy part mfg	1999.. 10 288	363 350	7 593	16 241	235 671	934 672	601 935	1 543 007	8	20
		1998.. 11 212	393 062	8 218	17 143	248 355	833 348	576 575	1 400 680	1	1
		1997.. 10 858	371 007	7 925	16 769	237 897	798 124	550 191	1 332 721	X	X
3322	Cutlery & handtool mfg	1999.. 78 538	2 571 141	58 823	118 132	1 612 039	7 818 235	4 304 732	12 152 924	1	2
		1998.. 77 814	2 575 141	58 753	118 692	1 579 371	7 501 331	4 203 178	11 706 180	1	1
		1997.. 77 337	2 484 032	57 934	116 634	1 540 077	7 483 422	4 020 780	11 475 344	X	X
33221	Cutlery & handtool mfg	1999.. 78 538	2 571 141	58 823	118 132	1 612 039	7 818 235	4 304 732	12 152 924	1	2
		1998.. 77 814	2 575 141	58 753	118 692	1 579 371	7 501 331	4 203 178	11 706 180	1	1
		1997.. 77 337	2 484 032	57 934	116 634	1 540 077	7 483 422	4 020 780	11 475 344	X	X
332211	Cutlery & flatware (except precious) mfg	1999.. 9 851	331 719	7 870	16 469	222 177	1 543 413	512 980	2 065 362	3	1
		1998.. 10 233	336 432	8 010	15 172	220 280	1 544 937	526 271	2 081 366	1	1
		1997.. 10 301	331 471	8 091	15 550	219 765	1 565 685	487 348	2 013 256	X	X
332212	Hand & edge tool mfg	1999.. 52 576	1 694 399	39 479	76 211	1 058 976	4 549 975	2 573 752	7 116 327	1	2
		1998.. 51 362	1 709 131	38 868	78 135	1 033 598	4 354 960	2 578 184	6 921 129	2	2
		1997.. 50 598	1 639 098	37 657	76 023	1 004 772	4 296 327	2 420 554	6 713 485	X	X
332213	Saw blade & handsaw mfg	1999.. 9 688	338 409	6 729	14 679	195 643	1 010 481	637 844	1 648 039	4	5
		1998.. 9 168	312 386	6 464	13 214	180 770	939 943	552 267	1 474 946	2	3
		1997.. 9 127	300 001	6 596	13 759	179 674	878 749	554 627	1 447 890	X	X
332214	Kitchen utensil, pot, & pan mfg	1999.. 6 422	206 614	4 745	10 773	135 243	714 367	580 156	1 323 205	2	15
		1998.. 7 050	217 193	5 412	12 171	144 723	661 491	546 455	1 228 739	2	5
		1997.. 7 311	213 462	5 590	11 302	135 866	742 661	558 251	1 300 713	X	X
3323	Architectural & structural metals mfg	1999.. 411 745	12 919 327	301 968	622 397	7 938 942	30 127 573	30 045 613	60 137 606	1	1
		1998.. 396 089	12 255 149	290 203	597 725	7 513 222	28 291 405	29 043 429	57 175 435	1	1
		1997.. 381 573	11 447 903	278 403	563 624	6 983 127	26 495 235	27 299 174	53 547 213	X	X
33231	Plate work & fabricated structural product mfg	1999.. 155 553	5 148 880	112 353	233 023	3 137 471	12 444 742	13 989 473	26 434 940	2	2
		1998.. 148 496	4 797 731	106 878	215 180	2 937 237	11 537 877	13 659 595	25 163 782	1	1
		1997.. 144 843	4 528 931	104 954	213 352	2 754 793	10 810 136	12 913 525	23 574 845	X	X
332311	Prefabricated metal building & component mfg	1999.. 28 508	883 643	19 383	41 553	495 822	2 329 770	2 901 858	5 237 463	3	5
		1998.. 26 465	835 808	17 661	38 237	468 534	2 230 044	2 745 871	4 947 086	5	5
		1997.. 27 167	798 192	18 698	37 575	453 021	1 992 908	2 713 236	4 686 554	X	X
332312	Fabricated structural metal mfg	1999.. 101 498	3 433 035	73 419	150 515	2 094 364	8 333 960	9 843 184	18 193 380	2	3
		1998.. 96 408	3 149 886	69 830	136 023	1 955 793	7 755 884	9 598 554	17 335 832	1	1
		1997.. 92 471	2 942 908	67 051	138 360	1 799 845	7 263 292	8 960 125	16 115 143	X	X
332313	Plate work mfg	1999.. 25 547	832 203	19 550	40 955	547 285	1 781 013	1 244 431	3 004 097	2	5
		1998.. 25 624	812 038	19 388	40 920	512 910	1 551 950	1 315 170	2 880 864	2	2
		1997.. 25 205	787 831	19 205	37 417	501 927	1 553 936	1 240 164	2 773 148	X	X
33232	Ornamental & architectural metal products mfg	1999.. 256 192	7 770 447	189 615	389 374	4 801 471	17 682 831	16 056 140	33 702 666	1	1
		1998.. 247 592	7 457 418	183 324	382 545	4 575 984	16 753 528	15 383 834	32 011 654	1	1
		1997.. 236 730	6 918 972	173 449	350 272	4 228 334	15 685 099	14 385 649	29 972 368	X	X
332321	Metal window & door mfg	1999.. 84 093	2 270 209	60 736	127 390	1 392 438	5 661 623	6 057 351	11 723 590	1	2
		1998.. 77 916	2 121 416	57 031	126 885	1 255 210	5 117 058	5 948 655	11 035 318	1	1
		1997.. 74 063	1 941 363	53 359	110 089	1 146 743	4 775 082	5 452 511	10 209 522	X	X
332322	Sheet metal work mfg	1999.. 133 664	4 367 792	101 021	203 765	2 747 876	9 463 898	7 755 298	17 192 023	2	2
		1998.. 133 229	4 255 130	99 662	201 019	2 664 399	9 283 780	7 360 108	16 569 419	1	1
		1997.. 127 791	3 991 922	95 091	190 440	2 481 680	8 660 105	7 000 352	15 584 570	X	X
332323	Ornamental & architectural metal work mfg	1999.. 38 435	1 132 446	27 858	58 219	661 158	2 557 310	2 243 491	4 787 052	3	4
		1998.. 36 447	1 080 872	26 631	54 641	656 375	2 552 709	2 075 071	4 406 917	1	2
		1997.. 34 876	985 687	24 999	49 743	599 911	2 249 912	1 932 786	4 178 276	X	X
3324	Boiler, tank, & shipping container mfg	1999.. 99 670	3 701 888	75 795	156 745	2 497 430	9 390 872	12 967 275	22 421 844	1	1
		1998.. 102 038	3 779 201	77 876	163 944	2 540 058	9 688 546	13 809 571	23 409 352	1	1
		1997.. 102 191	3 675 396	77 575	161 221	2 517 902	8 927 099	13 889 768	22 714 389	X	X
33241	Power boiler & heat exchanger mfg	1999.. 26 149	898 206	18 737	36 725	549 906	1 954 117	1 620 234	3 586 179	2	3
		1998.. 28 604	999 352	20 591	42 841	608 412	2 226 085	1 977 808	4 159 324	2	3
		1997.. 27 576	947 859	19 629	41 076	579 159	2 073 515	1 820 863	3 867 379	X	X
332410	Power boiler & heat exchanger mfg	1999.. 26 149	898 206	18 737	36 725	549 906	1 954 117	1 620 234	3 586 179	2	3
		1998.. 28 604	999 352	20 591	42 841	608 412	2 226 085	1 977 808	4 159 324	2	3
		1997.. 27 576	947 859	19 629	41 076	579 159	2 073 515	1 820 863	3 867 379	X	X
33242	Metal tank (heavy gauge) mfg	1999.. 32 642	1 188 386	23 670	48 641	741 386	2 562 937	2 223 273	4 811 732	3	3
		1998.. 32 556	1 155 777	23 643	48 789	706 162	2 494 459	2 316 133	4 800 714	2	3
		1997.. 33 300	1 129 336	23 961	48 872	697 464	2 394 902	2 320 414	4 703 647	X	X
332420	Metal tank (heavy gauge) mfg	1999.. 32 642	1 188 386	23 670	48 641	741 386	2 562 937	2 223 273	4 811 732	3	3
		1998.. 32 556	1 155 777	23 643	48 789	706 162	2 494 459	2 316 133	4 800 714	2	3
		1997.. 33 300	1 129 336	23 961	48 872	697 464	2 394 902	2 320 414	4 703 647	X	X
33243	Metal can, box, & other metal container (light gauge) mfg	1999.. 40 879	1 615 296	33 389	71 379	1 206 138	4 873 818	9 123 768	14 023 932	2	1
		1998.. 40 879	1 624 072	33 642	72 314	1 225 485	4 968 001	9 515 630	14 449 314	1	1
		1997.. 41 315	1 598 201	33 985	71 273	1 241 279	4 458 682	9 748 491	14 143 363	X	X
332431	Metal can mfg	1999.. 24 591	1 109 274	21 046	46 831	887 785	3 814 142	7 733 047	11 566 059	1	1
		1998.. 25 098	1 124 249	21 539	46 229	902 479	3 812 529	8 118 457	11 878 080	1	1
		1997.. 26 747	1 167 821	22 613	48 349	960 601	3 497 960	8 495 802	11 930 448	X	X
332439	Other metal container mfg	1999.. 16 288	506 021	12 342	24 548	318 353	1 059 676	1 390 721	2 457 873	3	4
		1998.. 15 780	499 822	12 103	26 085	323 005	1 155 472	1 397 173	2 571 234	2	2
		1997.. 14 568	430 380	11 372	22 924	280 678	960 722	1 252 689	2 212 915	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
332	Fabricated metal product mfg—Con.										
3325	Hardware mfg	1999.. 72 002	2 351 928	55 175	111 398	1 473 190	6 714 199	4 950 212	11 599 225	2	1
		1998.. 73 075	2 273 941	56 646	112 796	1 458 140	6 041 868	4 920 229	11 058 137	1	2
		1997.. 75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	X	X
33251	Hardware mfg	1999.. 72 002	2 351 928	55 175	111 398	1 473 190	6 714 199	4 950 212	11 599 225	2	1
		1998.. 73 075	2 273 941	56 646	112 796	1 458 140	6 041 868	4 920 229	11 058 137	1	2
		1997.. 75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	X	X
332510	Hardware mfg	1999.. 72 002	2 351 928	55 175	111 398	1 473 190	6 714 199	4 950 212	11 599 225	2	1
		1998.. 73 075	2 273 941	56 646	112 796	1 458 140	6 041 868	4 920 229	11 058 137	1	2
		1997.. 75 437	2 327 164	58 122	116 400	1 516 675	6 162 972	4 937 806	11 061 736	X	X
3326	Spring & wire product mfg	1999.. 72 381	2 085 544	57 300	114 500	1 392 883	5 201 777	4 156 917	9 300 596	2	2
		1998.. 71 581	2 067 379	55 616	112 121	1 376 563	5 079 136	4 363 935	9 427 438	2	3
		1997.. 70 193	1 906 503	54 573	107 575	1 246 096	4 540 614	4 011 204	8 533 707	X	X
33261	Spring & wire product mfg	1999.. 72 381	2 085 544	57 300	114 500	1 392 883	5 201 777	4 156 917	9 300 596	2	2
		1998.. 71 581	2 067 379	55 616	112 121	1 376 563	5 079 136	4 363 935	9 427 438	2	3
		1997.. 70 193	1 906 503	54 573	107 575	1 246 096	4 540 614	4 011 204	8 533 707	X	X
332611	Spring (heavy gauge) mfg	1999.. 5 785	199 268	4 393	9 391	137 137	465 883	480 651	955 964	3	3
		1998.. 6 144	215 557	4 805	10 392	156 516	482 009	515 805	1 006 494	1	5
		1997.. 5 581	183 180	4 284	9 112	127 591	422 894	428 345	845 199	X	X
332612	Spring (light gauge) mfg	1999.. 20 397	623 407	16 407	32 768	434 568	1 628 012	1 090 689	2 707 679	3	3
		1998.. 20 013	613 324	16 182	31 525	421 128	1 510 869	1 226 757	2 724 177	3	3
		1997.. 18 798	564 372	15 128	30 374	389 840	1 393 527	1 089 676	2 481 151	X	X
332618	Other fabricated wire product mfg	1999.. 46 199	1 262 868	36 500	72 341	821 178	3 107 882	2 585 577	5 636 953	2	3
		1998.. 45 424	1 238 498	34 629	70 205	798 920	3 086 257	2 621 373	5 696 767	2	4
		1997.. 45 814	1 158 951	35 161	68 089	728 665	2 724 193	2 493 183	5 207 357	X	X
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1999.. 423 827	14 511 862	327 946	666 645	9 740 417	28 910 001	15 611 127	44 496 790	1	1
		1998.. 440 840	14 611 494	344 197	705 611	9 800 012	29 104 841	15 398 692	44 389 234	1	3
		1997.. 423 004	14 029 104	328 147	648 019	9 352 536	28 535 557	14 980 584	43 362 901	X	X
33271	Machine shops	1999.. 290 997	9 738 305	224 658	449 306	6 542 574	18 610 187	9 218 036	27 765 864	1	2
		1998.. 303 126	9 844 537	236 351	477 156	6 581 055	18 283 952	8 777 876	27 006 257	1	4
		1997.. 289 437	9 446 782	224 717	426 909	6 306 733	18 330 482	8 610 590	26 850 065	X	X
332710	Machine shops	1999.. 290 997	9 738 305	224 658	449 306	6 542 574	18 610 187	9 218 036	27 765 864	1	2
		1998.. 303 126	9 844 537	236 351	477 156	6 581 055	18 283 952	8 777 876	27 006 257	1	4
		1997.. 289 437	9 446 782	224 717	426 909	6 306 733	18 330 482	8 610 590	26 850 065	X	X
33272	Turned product & screw, nut, & bolt mfg	1999.. 132 830	4 773 557	103 288	217 339	3 197 843	10 299 815	6 393 090	16 730 926	1	1
		1998.. 137 714	4 766 957	107 846	228 455	3 218 957	10 820 889	6 620 816	17 382 977	1	1
		1997.. 133 567	4 582 322	103 430	221 110	3 045 803	10 205 075	6 369 994	16 512 836	X	X
332721	Precision turned product mfg	1999.. 77 606	2 690 116	61 455	128 872	1 839 852	5 463 380	2 718 099	8 198 115	1	2
		1998.. 81 380	2 720 775	65 412	139 258	1 887 873	5 732 751	2 872 322	8 616 746	2	3
		1997.. 80 225	2 629 738	63 556	136 140	1 809 381	5 493 232	2 846 618	8 304 805	X	X
332722	Bolt, nut, screw, rivet, & washer mfg	1999.. 55 224	2 083 441	41 834	88 467	1 357 992	4 836 434	3 674 991	8 532 811	3	2
		1998.. 56 334	2 046 182	42 434	89 197	1 331 084	5 088 138	3 748 993	8 766 232	1	1
		1997.. 53 342	1 952 584	39 874	84 970	1 236 422	4 711 843	3 523 376	8 208 031	X	X
3328	Coating, engraving, heat treating, & allied activities	1999.. 155 453	4 777 541	123 788	253 122	3 153 930	11 049 327	8 102 820	19 065 301	1	1
		1998.. 159 122	4 817 728	126 288	252 310	3 166 710	10 921 473	7 944 256	18 875 151	1	1
		1997.. 152 884	4 513 791	119 722	239 975	2 928 348	10 331 294	7 621 520	17 956 236	X	X
33281	Coating, engraving, heat treating, & allied activities	1999.. 155 453	4 777 541	123 788	253 122	3 153 930	11 049 327	8 102 820	19 065 301	1	1
		1998.. 159 122	4 817 728	126 288	252 310	3 166 710	10 921 473	7 944 256	18 875 151	1	1
		1997.. 152 884	4 513 791	119 722	239 975	2 928 348	10 331 294	7 621 520	17 956 236	X	X
332811	Metal heat treating	1999.. 23 395	847 732	17 991	37 289	567 753	2 102 438	1 628 821	3 582 547	4	3
		1998.. 23 482	872 238	18 568	38 366	587 024	2 126 774	1 425 012	3 558 439	3	4
		1997.. 22 299	789 233	17 171	35 106	519 823	2 020 611	1 438 026	3 442 317	X	X
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1999.. 59 014	1 791 914	47 232	97 383	1 213 484	4 603 792	4 756 464	9 281 599	3	2
		1998.. 60 476	1 764 582	47 995	94 453	1 180 639	4 594 054	4 711 871	9 295 323	1	1
		1997.. 55 954	1 634 627	44 418	89 740	1 093 781	4 154 477	4 354 598	8 515 488	X	X
332813	Electroplating, plating, polishing, anodizing, & coloring	1999.. 73 044	2 137 895	58 565	118 450	1 372 692	4 343 097	1 847 535	6 196 155	2	1
		1998.. 75 163	2 180 909	59 725	119 490	1 399 046	4 200 645	1 807 373	6 021 389	1	1
		1997.. 74 631	2 089 931	58 133	115 129	1 314 744	4 156 206	1 828 896	5 998 431	X	X
3329	Other fabricated metal product mfg	1999.. 323 112	11 345 969	234 326	475 797	6 959 695	29 862 824	21 910 779	51 611 744	1	1
		1998.. 327 102	11 226 321	235 857	482 042	6 895 792	30 035 954	22 255 762	52 033 841	1	1
		1997.. 322 209	10 786 052	231 436	467 211	6 601 333	28 558 322	21 267 456	49 786 338	X	X
33291	Metal valve mfg	1999.. 124 053	4 458 306	85 569	173 430	2 541 702	12 779 842	9 582 155	22 258 512	1	1
		1998.. 127 695	4 492 996	87 752	182 471	2 576 363	13 304 989	10 121 641	23 278 410	1	2
		1997.. 126 245	4 364 424	86 465	178 808	2 491 566	12 516 090	9 444 017	21 983 284	X	X
332911	Industrial valve mfg	1999.. 53 636	2 004 984	35 208	72 806	1 089 602	5 378 590	3 931 604	9 264 077	1	1
		1998.. 56 237	2 055 360	36 625	76 413	1 119 923	5 664 582	4 259 696	9 940 675	2	2
		1997.. 54 294	1 947 182	35 367	72 721	1 050 155	5 115 344	3 781 002	8 965 193	X	X
332912	Fluid power valve & hose fitting mfg	1999.. 38 398	1 425 816	26 647	54 042	801 964	3 963 660	2 729 794	6 649 818	1	2
		1998.. 38 757	1 398 063	27 292	57 011	800 832	4 073 068	2 826 616	6 833 307	1	1
		1997.. 37 280	1 327 456	25 734	53 998	750 942	3 934 823	2 657 535	6 594 554	X	X
332913	Plumbing fixture fitting & trim mfg	1999.. 15 653	485 365	11 527	22 262	313 123	1 991 271	1 836 934	3 819 293	2	3
		1998.. 15 651	499 276	11 430	23 429	309 340	2 034 278	1 826 171	3 854 646	2	13
		1997.. 16 133	498 551	11 635	23 691	314 181	1 863 303	1 781 273	3 616 737	X	X
332919	Other metal valve & pipe fitting mfg	1999.. 16 367	542 140	12 187	24 320	337 013	1 446 320	1 083 233	2 525 324	3	4
		1998.. 17 051	540 297	12 405	25 619	346 268	1 533 061	1 209 157	2 649 782	3	5
		1997.. 18 538	591 235	13 729	28 398	376 288	1 602 620	1 224 207	2 806 800	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
332	Fabricated metal product mfg—Con.										
3329	Other fabricated metal product mfg—Con.										
33299	All other fabricated metal product mfg ..	1999.. 199 059	6 887 663	148 757	302 368	4 417 993	17 082 982	12 328 624	29 353 232	1	1
		1998.. 199 406	6 733 325	148 105	299 570	4 319 429	16 730 965	12 134 122	28 755 431	1	1
		1997.. 195 964	6 421 628	144 971	288 403	4 109 767	16 042 232	11 823 439	27 803 054	X	X
332991	Ball & roller bearing mfg	1999.. 35 694	1 417 749	29 249	60 029	1 067 164	3 542 250	2 442 955	5 977 016	1	1
		1998.. 36 948	1 402 650	30 299	63 380	1 053 824	3 849 296	2 388 387	6 157 867	1	1
		1997.. 36 547	1 368 804	29 827	63 026	1 033 718	3 742 916	2 363 496	6 093 840	X	X
332992	Small arms ammunition mfg	1999.. 7 298	277 616	5 589	11 567	188 215	417 693	1 122 638	1 122 638	1	1
		1998.. 7 145	257 981	5 464	10 898	172 800	631 022	370 920	1 018 425	1	1
		1997.. 7 135	254 731	5 386	10 669	172 743	610 244	374 810	976 964	X	X
332993	Ammunition (except small arms) mfg	1999.. 8 838	351 269	4 564	8 451	131 972	841 939	493 648	1 320 797	3	3
		1998.. 9 487	381 724	4 900	8 715	137 652	840 242	579 145	1 447 099	1	1
		1997.. 9 281	371 808	4 872	8 787	137 493	834 457	610 634	1 471 101	X	X
332994	Small arms mfg	1999.. 9 876	325 358	7 437	14 174	203 143	928 490	426 533	1 359 684	2	2
		1998.. 9 616	321 025	7 155	14 042	198 231	855 183	395 624	1 249 508	1	1
		1997.. 9 841	319 663	7 451	13 966	200 190	860 866	369 988	1 248 048	X	X
332995	Other ordnance & accessories mfg ..	1999.. 8 614	365 990	3 611	6 451	154 463	1 103 064	323 759	1 411 525	3	1
		1998.. 8 722	377 751	3 664	6 489	165 332	1 078 062	371 623	1 459 584	1	1
		1997.. 8 545	362 201	3 465	6 423	155 572	1 021 358	354 734	1 362 401	X	X
332996	Fabricated pipe & pipe fitting mfg	1999.. 30 436	954 009	23 382	47 672	618 749	2 278 166	2 038 981	4 297 854	3	3
		1998.. 30 096	931 846	23 310	48 662	614 536	2 180 545	2 025 526	4 205 266	3	2
		1997.. 29 746	879 723	22 565	46 037	573 134	2 104 979	2 038 910	4 118 699	X	X
332997	Industrial pattern mfg	1999.. 7 359	284 202	6 231	12 837	218 327	474 224	137 136	614 019	2	3
		1998.. 8 101	317 545	6 805	13 703	251 983	508 668	136 450	604 700	4	8
		1997.. 7 952	284 879	6 512	12 561	218 077	483 129	140 481	623 605	X	X
332998	Enameled iron & metal sanitary ware mfg	1999.. 9 510	324 862	7 257	15 301	212 370	995 944	605 949	1 593 129	3	2
		1998.. 9 947	321 355	7 853	15 740	215 635	1 013 983	621 366	1 630 497	1	1
		1997.. 9 792	275 889	7 700	15 115	179 923	969 728	600 546	1 553 730	X	X
332999	All other miscellaneous fabricated metal product mfg	1999.. 81 433	2 586 608	61 435	125 885	1 623 591	6 222 806	5 441 969	11 656 572	2	2
		1998.. 79 345	2 421 448	58 655	117 942	1 509 437	5 773 964	5 245 082	10 982 486	1	1
		1997.. 77 125	2 303 930	57 193	111 819	1 438 917	5 414 555	4 969 840	10 354 686	X	X
333	Machinery mfg	1999.. 1 400 509	53 801 769	921 518	1 855 119	29 032 057	138 798 108	137 903 185	277 117 380	1	1
		1998.. 1 433 463	54 038 645	943 806	1 909 536	29 731 818	141 268 757	139 876 936	280 650 973	1	1
		1997.. 1 420 512	53 012 226	936 047	1 895 580	29 106 922	137 934 706	133 291 232	270 687 165	X	X
3331	Agriculture, construction, & mining machinery mfg	1999.. 202 068	7 384 599	141 501	273 771	4 352 034	20 732 968	29 558 184	50 678 709	1	1
		1998.. 211 728	7 873 191	148 675	299 221	4 789 408	26 248 769	31 774 189	57 329 918	1	1
		1997.. 211 200	7 689 706	148 997	298 556	4 729 479	24 431 912	30 036 282	54 181 573	X	X
33311	Agricultural implement mfg	1999.. 85 789	2 849 291	64 110	121 083	1 809 245	8 063 826	11 182 313	19 320 971	1	1
		1998.. 93 568	3 125 846	70 051	139 672	2 054 900	10 840 789	13 608 785	24 302 937	1	2
		1997.. 94 711	3 102 280	70 618	140 841	2 058 905	10 355 405	13 187 254	23 371 367	X	X
333111	Farm machinery & equipment mfg ...	1999.. 59 233	2 093 769	42 367	77 781	1 304 702	5 161 023	6 475 512	11 807 524	1	2
		1998.. 66 312	2 385 716	47 790	95 761	1 542 994	8 080 416	8 508 568	16 527 140	1	2
		1997.. 66 370	2 370 599	47 885	95 652	1 550 603	7 624 789	8 468 947	15 995 219	X	X
333112	Lawn & garden tractor & home lawn & garden equipment mfg	1999.. 26 557	755 521	21 743	43 303	504 543	2 902 803	4 706 801	7 513 447	1	1
		1998.. 27 255	740 129	22 261	43 911	511 906	2 760 373	5 100 217	7 775 797	2	1
		1997.. 28 341	731 681	22 733	45 189	508 302	2 730 616	4 718 307	7 376 148	X	X
33312	Construction machinery mfg	1999.. 76 017	2 993 481	52 038	102 181	1 752 562	8 906 073	14 454 778	23 402 230	2	2
		1998.. 74 353	3 058 775	50 207	101 370	1 799 088	10 503 142	13 867 808	24 022 676	2	1
		1997.. 74 741	2 990 139	50 448	102 360	1 780 033	9 129 152	12 834 054	22 117 440	X	X
333120	Construction machinery mfg	1999.. 76 017	2 993 481	52 038	102 181	1 752 562	8 906 073	14 454 778	23 402 230	2	2
		1998.. 74 353	3 058 775	50 207	101 370	1 799 088	10 503 142	13 867 808	24 022 676	2	1
		1997.. 74 741	2 990 139	50 448	102 360	1 780 033	9 129 152	12 834 054	22 117 440	X	X
33313	Mining & oil & gas field machinery mfg	1999.. 40 262	1 541 827	25 354	50 507	790 227	3 763 069	3 921 093	7 955 508	3	5
		1998.. 43 808	1 688 570	28 417	58 179	935 421	4 904 839	4 297 596	9 004 305	1	1
		1997.. 41 748	1 597 287	27 931	55 355	890 541	4 947 355	4 104 974	8 692 766	X	X
333131	Mining machinery & equipment mfg ..	1999.. 12 928	452 623	8 304	17 197	247 497	1 153 804	1 100 259	2 269 192	3	2
		1998.. 14 599	520 958	9 540	20 391	292 207	1 490 439	1 543 009	3 003 057	1	2
		1997.. 13 507	485 338	9 118	18 939	273 557	1 379 429	1 354 429	2 705 885	X	X
333132	Oil & gas field machinery & equipment mfg	1999.. 27 334	1 089 204	17 050	33 310	542 730	2 609 266	2 820 834	5 686 316	5	7
		1998.. 29 209	1 167 612	18 877	37 788	643 214	3 414 400	2 754 587	6 001 248	1	2
		1997.. 28 241	1 111 949	18 813	36 416	616 984	3 567 926	2 660 545	5 986 881	X	X
3332	Industrial machinery mfg	1999.. 185 703	7 552 918	106 604	207 024	3 449 676	19 604 863	17 268 429	36 526 047	1	1
		1998.. 197 811	7 699 600	110 632	212 532	3 515 105	17 746 170	17 070 461	35 164 994	1	2
		1997.. 194 210	7 616 113	110 122	221 832	3 433 183	19 456 056	17 481 244	36 658 714	X	X
33321	Sawmill & woodworking machinery mfg	1999.. 8 808	311 785	5 610	11 031	158 876	626 071	590 345	1 210 460	2	4
		1998.. 9 227	318 015	5 563	11 484	149 311	727 248	590 039	1 299 355	3	8
		1997.. 8 973	297 430	5 707	11 527	156 984	681 679	611 849	1 296 200	X	X
333210	Sawmill & woodworking machinery mfg	1999.. 8 808	311 785	5 610	11 031	158 876	626 071	590 345	1 210 460	2	4
		1998.. 9 227	318 015	5 563	11 484	149 311	727 248	590 039	1 299 355	3	8
		1997.. 8 973	297 430	5 707	11 527	156 984	681 679	611 849	1 296 200	X	X
33322	Plastics & rubber industry machinery mfg	1999.. 18 267	748 711	10 880	21 953	368 638	1 751 859	1 557 836	3 298 638	3	3
		1998.. 18 783	719 535	10 794	21 054	355 305	1 681 726	1 565 041	3 263 727	2	7
		1997.. 18 530	741 819	10 427	21 042	349 773	1 950 024	1 652 432	3 570 320	X	X
333220	Plastics & rubber industry machinery mfg	1999.. 18 267	748 711	10 880	21 953	368 638	1 751 859	1 557 836	3 298 638	3	3
		1998.. 18 783	719 535	10 794	21 054	355 305	1 681 726	1 565 041	3 263 727	2	7
		1997.. 18 530	741 819	10 427	21 042	349 773	1 950 024	1 652 432	3 570 320	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
333	Machinery mfg—Con.										
3332	Industrial machinery mfg—Con.										
33329	Other industrial machinery mfg	1999.. 158 628	6 492 421	90 115	174 041	2 922 162	17 226 932	15 120 248	32 016 949	1	1
		1998.. 169 800	6 662 050	94 275	179 994	3 010 489	15 337 196	14 915 382	30 601 912	1	2
		1997.. 166 707	6 576 864	93 988	189 263	2 926 426	16 824 353	15 216 963	31 792 194	X	X
333291	Paper industry machinery mfg	1999.. 16 144	727 450	8 957	18 062	328 898	1 350 855	1 542 865	2 920 640	3	4
		1998.. 18 539	771 823	10 128	20 466	364 179	1 490 265	1 711 770	3 185 119	1	4
		1997.. 18 313	761 458	10 127	20 723	365 303	1 622 283	1 817 466	3 386 920	X	X
333292	Textile machinery mfg	1999.. 12 635	426 169	8 145	15 724	207 068	1 010 862	703 363	1 729 846	3	5
		1998.. 12 813	441 680	7 824	15 538	223 160	1 058 716	719 308	1 785 475	7	4
		1997.. 13 511	445 381	8 496	16 880	234 110	1 026 304	742 909	1 766 419	X	X
333293	Printing machinery & equipment mfg	1999.. 19 623	863 097	11 032	22 574	401 825	1 904 187	1 642 243	3 590 553	2	2
		1998.. 21 140	871 206	11 279	23 347	403 835	2 000 810	1 917 052	3 962 536	2	3
		1997.. 22 390	924 863	11 706	24 298	412 907	2 030 816	1 768 141	3 786 716	X	X
333294	Food product machinery mfg	1999.. 19 119	725 190	11 519	22 289	356 851	1 595 652	1 308 008	2 907 372	3	4
		1998.. 19 054	728 644	11 371	22 474	363 294	1 596 328	1 320 428	2 906 838	2	5
		1997.. 18 898	711 852	11 436	22 511	353 259	1 581 509	1 290 673	2 857 928	X	X
333295	Semiconductor machinery mfg	1999.. 37 247	1 634 314	19 303	33 851	662 532	6 730 375	5 723 205	12 091 909	2	2
		1998.. 43 995	1 777 586	23 083	37 177	687 479	4 592 769	5 274 879	10 070 847	1	3
		1997.. 40 104	1 702 788	20 918	42 170	611 134	6 010 313	5 358 601	11 162 764	X	X
333298	All other industrial machinery mfg	1999.. 53 860	2 116 200	31 159	61 541	964 988	4 635 007	4 200 565	8 776 629	2	3
		1998.. 54 259	2 071 112	30 590	60 992	968 542	4 598 301	3 971 946	8 691 096	2	3
		1997.. 53 491	2 030 522	31 305	62 681	949 713	4 553 128	4 239 173	8 831 447	X	X
3333	Commercial & service industry machinery mfg	1999.. 127 649	4 695 799	74 366	148 394	2 046 013	14 471 962	11 581 972	26 348 237	1	2
		1998.. 129 557	4 694 721	76 962	151 874	2 093 311	15 212 505	11 860 301	27 001 384	1	1
		1997.. 129 691	4 698 826	76 013	147 775	2 064 248	14 215 075	11 730 134	26 009 857	X	X
33331	Commercial & service industry machinery mfg	1999.. 127 649	4 695 799	74 366	148 394	2 046 013	14 471 962	11 581 972	26 348 237	1	2
		1998.. 129 557	4 694 721	76 962	151 874	2 093 311	15 212 505	11 860 301	27 001 384	1	1
		1997.. 129 691	4 698 826	76 013	147 775	2 064 248	14 215 075	11 730 134	26 009 857	X	X
333311	Automatic vending machine mfg	1999.. 9 494	261 928	6 908	13 782	151 336	693 707	683 273	1 398 038	5	3
		1998.. 8 806	224 858	6 658	13 932	133 160	669 420	786 022	1 444 002	2	6
		1997.. 8 220	216 397	6 047	12 310	123 726	604 438	718 270	1 327 998	X	X
333312	Commercial laundry, drycleaning, & pressing machine mfg	1999.. 4 249	129 929	3 058	5 885	80 130	284 107	363 172	657 706	4	5
		1998.. 4 434	134 405	3 251	6 716	83 835	300 100	330 806	633 138	1	1
		1997.. 4 523	136 783	3 328	6 864	84 584	270 351	334 781	604 939	X	X
333313	Office machinery mfg	1999.. 12 684	384 493	5 852	11 661	160 901	1 408 002	1 180 776	2 831 924	5	14
		1998.. 13 403	434 135	6 099	12 119	143 556	1 733 627	1 333 297	3 064 717	3	1
		1997.. 14 586	452 165	6 913	13 513	160 785	1 807 173	1 341 894	3 162 823	X	X
333314	Optical instrument & lens mfg	1999.. 22 345	934 046	12 411	25 296	378 118	2 256 904	1 337 877	3 572 821	4	8
		1998.. 20 397	841 457	12 323	25 463	381 460	2 103 949	1 098 470	3 194 775	3	2
		1997.. 20 351	812 428	12 093	23 790	354 212	1 979 483	1 185 260	3 139 837	X	X
333315	Photographic & photocopying equipment mfg	1999.. 20 128	883 789	12 183	23 210	399 502	4 654 552	3 185 706	7 854 177	2	2
		1998.. 23 611	1 030 362	14 383	26 698	456 699	5 192 134	3 613 046	8 809 396	1	1
		1997.. 24 143	1 074 710	14 397	26 024	482 750	4 478 703	3 774 865	8 290 986	X	X
333319	Other commercial & service industry machinery mfg	1999.. 58 750	2 101 614	33 954	68 560	876 028	5 174 691	4 831 167	10 033 570	1	2
		1998.. 58 906	2 029 504	34 248	66 947	894 601	5 213 274	4 698 659	9 855 357	2	2
		1997.. 57 868	2 006 343	33 235	65 274	858 191	5 074 927	4 375 064	9 483 274	X	X
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 179 404	5 797 842	134 376	269 069	3 536 582	16 896 689	17 656 882	34 394 310	1	1
		1998.. 174 324	5 504 294	129 989	258 533	3 390 489	15 513 404	17 279 275	32 950 165	1	1
		1997.. 174 136	5 344 894	128 068	258 208	3 212 188	14 637 803	15 989 951	30 791 331	X	X
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 179 404	5 797 842	134 376	269 069	3 536 582	16 896 689	17 656 882	34 394 310	1	1
		1998.. 174 324	5 504 294	129 989	258 533	3 390 489	15 513 404	17 279 275	32 950 165	1	1
		1997.. 174 136	5 344 894	128 068	258 208	3 212 188	14 637 803	15 989 951	30 791 331	X	X
333411	Air purification equipment mfg	1999.. 15 650	435 773	11 069	22 769	241 874	1 147 559	892 826	2 034 308	2	3
		1998.. 16 270	464 383	12 247	23 916	275 209	1 324 168	976 619	2 302 053	1	4
		1997.. 16 447	479 162	11 628	23 179	263 390	1 199 939	1 006 932	2 218 051	X	X
333412	Industrial & commercial fan & blower mfg	1999.. 15 675	513 224	11 075	22 512	303 183	1 180 274	912 182	2 099 266	4	3
		1998.. 14 534	476 050	10 347	19 985	282 475	958 866	933 817	1 901 657	4	8
		1997.. 13 706	431 622	9 384	19 317	245 078	1 003 573	893 815	1 899 077	X	X
333414	Heating equipment (except warm air furnaces) mfg	1999.. 24 532	801 106	16 586	32 485	410 782	2 130 722	1 834 497	3 961 179	3	2
		1998.. 23 510	719 194	15 400	30 039	354 384	1 964 955	1 632 354	3 738 536	4	6
		1997.. 24 597	755 114	16 088	31 910	375 893	2 068 353	1 650 129	3 707 615	X	X
333415	AC & warm air heating & commercial/industrial refig equip mfg	1999.. 123 547	4 047 739	95 646	191 303	2 580 744	12 438 134	14 017 377	26 299 558	1	1
		1998.. 120 011	3 844 667	91 994	184 594	2 478 421	11 265 416	13 736 485	25 007 918	1	1
		1997.. 119 386	3 678 996	90 968	183 802	2 327 827	10 365 938	12 439 075	22 966 588	X	X
3335	Metalworking machinery mfg	1999.. 241 066	9 858 448	172 590	360 777	6 198 710	18 507 734	11 398 027	30 038 451	1	1
		1998.. 247 187	10 002 017	177 330	372 005	6 347 735	19 239 800	11 471 621	30 702 945	1	2
		1997.. 242 963	9 827 519	174 485	364 407	6 260 795	19 331 066	11 304 821	30 417 553	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
333	Machinery mfg—Con.										
3335	Metalworking machinery mfg—Con.										
33351	Metalworking machinery mfg	1999.. 241 066	9 858 448	172 590	360 777	6 198 710	18 507 734	11 398 027	30 038 451	1	1
		1998.. 247 187	10 002 017	177 330	372 005	6 347 735	19 239 800	11 471 621	30 702 945	1	2
		1997.. 242 963	9 827 519	174 485	364 407	6 260 795	19 331 066	11 304 821	30 417 553	X	X
333511	Industrial mold mfg	1999.. 50 485	2 106 469	40 065	82 975	1 487 499	3 926 294	1 505 054	5 366 127	2	3
		1998.. 48 931	2 072 760	38 630	84 072	1 472 716	3 842 416	1 408 129	5 195 019	1	3
		1997.. 48 113	2 067 403	37 989	81 290	1 471 899	3 685 924	1 411 514	5 087 422	X	X
333512	Machine tool (metal cutting types) mfg	1999.. 26 292	1 201 510	15 210	30 966	557 816	2 142 777	2 632 962	4 830 008	3	4
		1998.. 27 539	1 196 365	15 972	32 382	592 461	2 410 231	2 866 757	5 244 020	2	3
		1997.. 29 577	1 274 460	17 051	35 366	629 388	2 666 276	2 813 536	5 331 245	X	X
333513	Machine tool (metal forming types) mfg	1999.. 13 545	596 008	8 715	18 042	330 187	1 280 880	913 911	2 199 873	2	3
		1998.. 15 154	640 710	9 578	19 016	364 273	1 439 622	951 104	2 308 868	2	4
		1997.. 14 141	596 804	9 092	18 745	344 827	1 285 781	958 357	2 247 954	X	X
333514	Special die & tool, die set, jig, & fixture mfg	1999.. 80 455	3 222 767	61 510	131 179	2 253 109	5 829 271	2 417 500	8 241 919	1	2
		1998.. 82 269	3 274 181	63 722	135 185	2 277 350	5 952 449	2 388 790	8 366 502	1	2
		1997.. 79 994	3 226 074	62 075	128 703	2 259 920	5 938 346	2 381 528	8 237 755	X	X
333515	Cutting tool & machine tool accessory mfg	1999.. 46 284	1 634 356	32 688	67 486	1 031 127	3 315 501	1 893 178	5 222 070	2	2
		1998.. 49 706	1 712 647	35 823	72 030	1 088 153	3 709 128	1 930 388	5 531 361	1	1
		1997.. 48 017	1 644 426	34 725	70 639	1 041 204	3 614 484	1 806 004	5 379 842	X	X
333516	Rolling mill machinery & equipment mfg	1999.. 3 102	127 447	1 576	3 477	55 841	214 397	195 646	423 916	4	7
		1998.. 4 290	179 144	2 334	4 711	84 534	342 157	310 221	661 702	3	8
		1997.. 4 149	167 312	2 210	4 720	75 166	363 586	323 460	700 084	X	X
333518	Other metalworking machinery mfg ..	1999.. 20 904	969 890	12 825	26 654	483 129	1 798 614	1 839 777	3 754 537	1	2
		1998.. 19 298	926 210	11 270	24 609	468 248	1 543 797	1 616 233	3 395 473	2	15
		1997.. 18 972	851 040	11 343	24 944	438 391	1 776 669	1 610 422	3 433 251	X	X
3336	Engine, turbine, & power transmission equipment mfg	1999.. 116 856	5 004 336	78 342	160 593	2 895 226	16 894 491	18 154 451	34 833 956	1	1
		1998.. 112 399	4 704 387	76 992	158 504	2 870 622	15 106 573	17 527 275	32 513 689	1	1
		1997.. 113 802	4 638 042	78 655	158 459	2 815 596	14 530 618	15 730 238	30 508 866	X	X
33361	Engine, turbine, & power transmission equipment mfg	1999.. 116 856	5 004 336	78 342	160 593	2 895 226	16 894 491	18 154 451	34 833 956	1	1
		1998.. 112 399	4 704 387	76 992	158 504	2 870 622	15 106 573	17 527 275	32 513 689	1	1
		1997.. 113 802	4 638 042	78 655	158 459	2 815 596	14 530 618	15 730 238	30 508 866	X	X
333611	Turbine & turbine generator set unit mfg	1999.. 19 376	921 023	10 467	21 212	456 011	3 371 187	3 275 372	6 574 623	2	4
		1998.. 18 062	837 210	10 049	21 168	436 874	3 234 471	3 152 864	6 338 165	1	2
		1997.. 19 529	910 316	11 099	23 488	476 082	2 841 914	2 865 746	5 854 113	X	X
333612	Speed changer, industrial high-speed drive, & gear mfg	1999.. 16 054	628 878	11 411	22 802	388 351	1 466 128	963 179	2 475 190	3	5
		1998.. 15 784	607 540	11 013	22 373	372 552	1 511 009	952 404	2 442 194	1	1
		1997.. 16 182	594 251	11 231	22 744	361 273	1 461 859	935 938	2 391 269	X	X
333613	Mechanical power transmission equipment mfg	1999.. 22 813	802 707	15 553	31 127	478 602	1 972 879	1 441 776	3 395 051	5	4
		1998.. 21 713	788 564	15 143	31 044	483 083	1 984 338	1 459 368	3 421 521	1	1
		1997.. 21 271	759 037	14 971	30 206	465 440	1 886 164	1 389 199	3 252 399	X	X
333618	Other engine equipment mfg	1999.. 58 613	2 651 729	40 911	85 451	1 572 263	10 084 297	12 474 125	22 389 092	1	1
		1998.. 56 839	2 471 072	40 786	83 919	1 578 113	8 376 755	11 962 640	20 311 809	1	1
		1997.. 56 820	2 374 438	41 354	82 021	1 512 801	8 340 681	10 539 355	19 011 085	X	X
3339	Other general-purpose machinery mfg	1999.. 347 762	13 507 828	213 739	435 491	6 553 816	31 689 402	32 285 240	64 297 670	1	1
		1998.. 360 458	13 560 436	223 228	456 866	6 725 148	32 201 536	32 893 814	64 987 879	1	1
		1997.. 354 510	13 197 126	219 707	446 343	6 591 433	31 332 176	31 018 562	62 119 271	X	X
33391	Pump & compressor mfg	1999.. 64 274	2 585 999	36 800	74 441	1 177 271	6 798 151	7 291 670	14 303 362	2	2
		1998.. 69 611	2 691 140	40 586	82 565	1 286 799	6 907 230	7 738 676	14 686 992	1	4
		1997.. 67 263	2 571 850	39 547	80 512	1 234 907	6 640 563	7 120 168	13 683 351	X	X
333911	Pump & pumping equipment mfg	1999.. 34 833	1 430 501	19 557	39 965	639 210	3 596 794	3 532 131	7 246 717	3	2
		1998.. 37 234	1 491 460	21 484	44 374	707 903	3 720 962	3 957 229	7 552 338	1	6
		1997.. 36 020	1 402 147	20 774	42 945	663 726	3 403 918	3 345 583	6 735 133	X	X
333912	Air & gas compressor mfg	1999.. 22 557	890 315	13 017	26 629	412 065	2 535 951	2 953 806	5 598 206	2	2
		1998.. 25 925	947 337	15 040	30 361	458 434	2 491 696	3 088 249	5 735 735	1	8
		1997.. 24 582	925 655	14 532	29 740	452 547	2 646 794	3 072 383	5 651 176	X	X
333913	Measuring & dispensing pump mfg ..	1999.. 6 883	265 183	4 226	7 847	125 996	665 407	805 733	1 458 439	1	1
		1998.. 6 452	252 342	4 063	7 830	120 462	694 572	693 198	1 398 918	1	1
		1997.. 6 661	244 048	4 241	7 827	118 634	589 851	702 202	1 297 042	X	X
33392	Material handling equipment mfg	1999.. 96 338	3 677 691	62 267	132 215	1 885 482	8 001 962	10 066 278	18 108 511	1	1
		1998.. 94 390	3 447 418	60 582	127 044	1 730 954	7 645 270	10 209 568	17 875 988	1	2
		1997.. 92 600	3 330 707	59 856	123 674	1 734 759	7 238 952	9 493 479	17 646 105	X	X
333921	Elevator & moving stairway mfg	1999.. 9 547	346 931	6 696	13 127	200 018	818 316	941 941	1 757 581	3	3
		1998.. 9 489	333 280	6 048	13 055	172 004	757 162	853 942	1 615 420	2	12
		1997.. 9 442	340 525	6 253	13 148	194 226	748 229	865 092	1 607 066	X	X
333922	Conveyor & conveying equipment mfg	1999.. 39 375	1 675 605	23 022	47 934	717 399	3 302 803	3 250 274	6 574 711	2	2
		1998.. 39 134	1 551 065	22 336	46 928	646 281	3 205 809	3 261 049	6 553 203	2	4
		1997.. 39 421	1 531 932	23 261	49 446	701 113	3 069 183	3 304 898	6 364 898	X	X
333923	Overhead traveling crane, hoist, & monorail system mfg	1999.. 20 500	713 098	13 541	29 697	404 310	1 761 970	2 445 430	4 179 667	5	2
		1998.. 18 993	618 890	12 702	25 578	358 947	1 521 669	1 982 765	3 458 955	3	2
		1997.. 17 784	564 482	11 795	22 780	316 898	1 451 136	1 711 464	3 135 815	X	X
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	1999.. 26 916	942 057	19 008	41 457	563 754	2 118 872	3 428 633	5 596 552	2	2
		1998.. 26 774	944 182	19 496	41 483	553 722	2 160 630	4 111 812	6 248 409	2	2
		1997.. 25 953	893 768	18 547	38 300	522 522	1 970 404	3 612 025	5 538 326	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
333	Machinery mfg—Con.										
3339	Other general-purpose machinery mfg—Con.										
33399	All other general-purpose machinery mfg	1999.. 187 150	7 244 138	114 672	228 835	3 491 063	16 889 289	14 927 293	31 885 797	1	1
		1998.. 196 457	7 421 878	122 059	247 257	3 707 395	17 649 036	14 945 570	32 424 900	1	1
		1997.. 194 647	7 294 569	120 304	242 157	3 621 767	17 452 661	14 404 915	31 789 815	X	X
333991	Power-driven handtool mfg	1999.. 17 087	546 166	12 543	23 912	311 424	2 565 611	2 168 950	4 717 529	1	2
		1998.. 16 793	553 440	12 290	23 990	322 471	2 349 697	1 954 603	4 252 332	1	1
		1997.. 16 816	531 378	12 328	24 190	315 696	1 983 354	1 660 930	3 609 779	X	X
333992	Welding & soldering equipment mfg ..	1999.. 18 626	756 615	11 513	22 005	364 959	1 881 227	2 269 780	4 207 072	3	5
		1998.. 21 128	840 387	13 404	26 264	436 163	1 920 736	2 296 870	4 276 808	1	2
		1997.. 22 505	918 180	14 640	29 279	485 833	2 027 004	2 453 362	4 444 978	X	X
333993	Packaging machinery mfg	1999.. 30 567	1 275 128	16 208	33 545	535 406	2 436 268	2 192 136	4 618 058	2	2
		1998.. 32 385	1 307 899	17 184	34 606	547 867	2 730 693	2 171 446	4 928 283	1	2
		1997.. 32 109	1 278 345	17 280	34 867	552 062	2 706 010	2 116 512	4 900 477	X	X
333994	Industrial process furnace & oven mfg	1999.. 16 530	608 939	9 577	19 779	277 596	1 141 518	1 118 063	2 317 675	3	5
		1998.. 17 929	670 345	11 061	24 626	325 798	1 439 927	1 324 851	2 685 900	2	3
		1997.. 17 575	657 327	10 313	23 295	288 549	1 514 761	1 365 736	2 869 912	X	X
333995	Fluid power cylinder & actuator mfg ..	1999.. 24 853	993 957	16 179	32 343	564 993	2 121 643	1 468 983	3 597 157	1	2
		1998.. 24 484	965 324	16 385	33 962	578 455	2 196 410	1 531 118	3 660 438	2	2
		1997.. 23 030	898 428	15 109	31 597	525 990	2 155 657	1 398 733	3 542 331	X	X
333996	Fluid power pump & motor mfg	1999.. 15 725	613 283	10 755	21 933	362 493	1 553 977	1 355 267	2 925 892	1	2
		1998.. 17 189	672 415	11 880	25 015	397 437	1 625 557	1 423 212	3 008 751	1	2
		1997.. 15 963	620 397	11 065	22 551	359 816	1 526 099	1 283 790	2 811 223	X	X
333997	Scale & balance (except laboratory) mfg	1999.. 4 910	162 454	3 061	6 070	80 533	422 797	351 599	770 534	5	5
		1998.. 4 849	157 030	2 574	5 014	64 480	377 145	326 334	698 165	5	4
		1997.. 4 856	148 487	2 658	4 752	61 487	329 428	345 957	682 181	X	X
333999	All other miscellaneous general-purpose machinery mfg	1999.. 58 851	2 287 596	34 837	69 247	993 658	4 766 248	4 002 516	8 731 881	2	2
		1998.. 61 699	2 255 037	37 282	73 779	1 034 724	5 008 872	3 917 135	8 914 222	1	3
		1997.. 61 793	2 242 027	36 911	71 626	1 032 334	5 210 348	3 779 895	8 928 934	X	X
334	Computer & electronic product mfg	1999.. 1 620 627	75 129 515	829 646	1 675 447	26 749 833	270 608 920	193 021 516	463 651 580	1	1
		1998.. 1 686 623	73 976 389	875 129	1 741 236	27 176 200	256 128 715	187 554 277	443 767 112	1	1
		1997.. 1 691 146	72 483 848	877 002	1 746 314	26 117 539	252 629 768	187 875 131	439 381 300	X	X
3341	Computer & peripheral equipment mfg ..	1999.. 217 204	11 432 671	81 172	170 031	2 932 987	47 803 448	64 421 495	112 677 102	1	1
		1998.. 239 921	11 233 494	91 666	181 967	3 214 423	50 015 123	63 870 360	114 481 565	1	1
		1997.. 240 307	10 899 245	99 974	200 934	3 181 898	44 111 746	66 057 526	110 054 987	X	X
33411	Computer & peripheral equipment mfg	1999.. 217 204	11 432 671	81 172	170 031	2 932 987	47 803 448	64 421 495	112 677 102	1	1
		1998.. 239 921	11 233 494	91 666	181 967	3 214 423	50 015 123	63 870 360	114 481 565	1	1
		1997.. 240 307	10 899 245	99 974	200 934	3 181 898	44 111 746	66 057 526	110 054 987	X	X
334111	Electronic computer mfg	1999.. 84 719	4 758 406	28 965	58 385	1 039 681	29 861 242	40 578 234	70 893 941	1	1
		1998.. 95 806	4 277 845	31 782	57 462	912 889	31 206 150	35 105 601	66 864 612	1	1
		1997.. 99 427	4 239 347	35 905	66 135	946 812	25 908 268	40 223 412	66 301 810	X	X
334112	Computer storage device mfg	1999.. 41 371	1 786 205	18 340	37 202	571 759	7 559 411	8 442 891	15 881 163	1	1
		1998.. 45 361	2 066 595	19 765	52 349	669 116	7 982 995	10 415 242	18 420 080	1	1
		1997.. 42 012	1 910 310	20 428	42 986	622 177	7 386 606	8 036 209	15 354 924	X	X
334113	Computer terminal mfg	1999.. 4 068	157 597	2 157	4 519	70 139	327 499	484 745	819 591	7	14
		1998.. 5 167	218 247	2 171	4 991	74 013	444 465	651 309	1 096 153	4	10
		1997.. 5 764	253 086	2 843	5 862	89 526	531 875	941 879	1 486 965	X	X
334119	Other computer peripheral equipment mfg	1999.. 87 046	4 730 464	31 711	69 926	1 251 408	10 055 295	14 915 625	25 082 407	2	4
		1998.. 93 587	4 670 807	37 947	67 165	1 558 405	10 381 512	17 698 208	28 100 719	2	1
		1997.. 93 104	4 496 502	40 798	85 951	1 523 383	10 284 997	16 856 026	26 911 288	X	X
3342	Communications equipment mfg	1999.. 285 500	14 553 402	123 908	239 028	4 233 504	'53 972 064	41 564 258	'95 766 806	1	R
		1998.. 286 973	13 804 299	132 450	256 961	4 480 171	'48 255 585	38 677 530	'86 119 329	1	R
		1997.. 294 865	13 826 630	135 313	261 498	4 524 867	48 040 124	35 767 800	82 852 421	X	X
33421	Telephone apparatus mfg	1999.. 105 604	5 849 861	40 316	76 076	1 516 012	'29 700 758	19 484 019	'48 914 470	2	R
		1998.. 101 364	5 378 812	41 455	78 424	1 561 854	'25 415 686	17 110 827	'41 790 925	1	R
		1997.. 103 874	5 377 394	41 969	78 587	1 552 391	23 766 132	14 846 321	38 375 534	X	X
334210	Telephone apparatus mfg	1999.. 105 604	5 849 861	40 316	76 076	1 516 012	'29 700 758	19 484 019	'48 914 470	2	R
		1998.. 101 364	5 378 812	41 455	78 424	1 561 854	'25 415 686	17 110 827	'41 790 925	1	R
		1997.. 103 874	5 377 394	41 969	78 587	1 552 391	23 766 132	14 846 321	38 375 534	X	X
33422	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 154 578	7 749 342	71 996	141 261	2 444 340	21 457 587	20 321 666	42 313 674	1	1
		1998.. 161 264	7 514 117	79 343	156 150	2 648 628	20 446 628	19 785 508	40 138 927	1	1
		1997.. 166 801	7 572 853	81 758	160 572	2 712 736	21 773 109	19 322 745	40 373 077	X	X
334220	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 154 578	7 749 342	71 996	141 261	2 444 340	21 457 587	20 321 666	42 313 674	1	1
		1998.. 161 264	7 514 117	79 343	156 150	2 648 628	20 446 628	19 785 508	40 138 927	1	1
		1997.. 166 801	7 572 853	81 758	160 572	2 712 736	21 773 109	19 322 745	40 373 077	X	X
33429	Other communications equipment mfg	1999.. 25 319	954 199	11 595	21 691	273 152	2 813 720	1 758 573	4 538 661	2	2
		1998.. 24 345	911 371	11 652	22 387	269 689	2 393 271	1 781 194	4 189 477	2	2
		1997.. 24 190	876 383	11 586	22 339	259 740	2 500 883	1 598 734	4 103 810	X	X
334290	Other communications equipment mfg	1999.. 25 319	954 199	11 595	21 691	273 152	2 813 720	1 758 573	4 538 661	2	2
		1998.. 24 345	911 371	11 652	22 387	269 689	2 393 271	1 781 194	4 189 477	2	2
		1997.. 24 190	876 383	11 586	22 339	259 740	2 500 883	1 598 734	4 103 810	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				H	I
334	Computer & electronic product mfg—Con.										
3343	Audio & video equipment mfg	1999.. 29 614	983 810	20 196	37 773	477 753	2 910 562	6 255 800	9 089 523	3	5
		1998.. 32 373	958 676	22 957	43 781	514 022	2 663 022	5 588 525	8 326 538	2	5
		1997.. 30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	X	X
33431	Audio & video equipment mfg	1999.. 29 614	983 810	20 196	37 773	477 753	2 910 562	6 255 800	9 089 523	3	5
		1998.. 32 373	958 676	22 957	43 781	514 022	2 663 022	5 588 525	8 326 538	2	5
		1997.. 30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	X	X
334310	Audio & video equipment mfg	1999.. 29 614	983 810	20 196	37 773	477 753	2 910 562	6 255 800	9 089 523	3	5
		1998.. 32 373	958 676	22 957	43 781	514 022	2 663 022	5 588 525	8 326 538	2	5
		1997.. 30 306	918 069	20 684	40 461	463 377	2 372 815	5 825 578	8 226 685	X	X
3344	Semiconductor & other electronic component mfg	1999.. 581 138	23 696 731	375 651	770 652	11 075 695	102 002 988	45 426 276	146 560 072	1	1
		1998.. 585 395	22 320 889	376 761	755 066	10 240 894	89 077 959	43 942 721	133 193 113	1	1
		1997.. 587 313	22 142 761	373 814	748 573	9 740 797	94 354 658	45 183 238	139 083 873	X	X
33441	Semiconductor & other electronic component mfg	1999.. 581 138	23 696 731	375 651	770 652	11 075 695	102 002 988	45 426 276	146 560 072	1	1
		1998.. 585 395	22 320 889	376 761	755 066	10 240 894	89 077 959	43 942 721	133 193 113	1	1
		1997.. 587 313	22 142 761	373 814	748 573	9 740 797	94 354 658	45 183 238	139 083 873	X	X
334411	Electron tube mfg	1999.. 17 776	663 279	13 817	28 811	453 874	1 760 199	2 092 171	3 824 368	1	1
		1998.. 21 443	736 774	16 746	34 209	494 002	1 619 415	2 094 039	3 730 035	1	1
		1997.. 21 656	726 712	16 774	34 208	488 835	1 568 417	2 273 565	3 789 948	X	X
334412	Bare printed circuit board mfg	1999.. 81 506	2 665 421	65 498	139 284	1 795 274	5 500 255	4 346 285	9 771 295	3	3
		1998.. 78 774	2 395 819	62 507	130 783	1 573 304	5 047 653	4 144 473	9 144 266	1	1
		1997.. 72 282	2 110 176	56 173	113 963	1 345 948	5 062 300	3 486 866	8 507 125	X	X
334413	Semiconductor & related device mfg	1999.. 213 857	11 684 211	116 320	237 777	4 327 521	68 588 715	16 063 934	84 315 880	1	1
		1998.. 203 058	10 449 335	108 248	213 704	3 714 467	59 977 245	15 303 115	75 048 378	1	1
		1997.. 199 037	10 101 783	106 484	216 061	3 531 168	64 135 313	15 055 008	78 479 496	X	X
334414	Electronic capacitor mfg	1999.. 16 191	481 969	11 124	22 440	262 443	1 259 976	1 093 671	2 367 571	3	3
		1998.. 18 197	510 415	12 737	24 966	272 439	1 239 544	1 033 132	2 265 591	1	1
		1997.. 19 317	539 446	13 611	26 326	291 291	1 444 666	1 158 130	2 560 984	X	X
334415	Electronic resistor mfg	1999.. 9 811	281 503	6 840	13 845	157 797	698 231	428 897	1 124 177	2	3
		1998.. 10 755	288 205	7 692	14 829	169 682	674 588	429 607	1 106 278	2	6
		1997.. 11 624	305 365	8 461	16 207	174 409	801 153	422 703	1 240 008	X	X
334416	Electronic coil, transformer, & other inductor mfg	1999.. 17 508	435 477	13 494	26 474	251 727	888 535	556 018	1 441 011	2	2
		1998.. 19 034	467 118	14 747	29 178	267 434	956 550	554 693	1 507 616	1	4
		1997.. 18 999	450 514	14 784	29 613	261 187	936 268	589 896	1 524 064	X	X
334417	Electronic connector mfg	1999.. 34 482	1 130 644	24 580	50 798	682 705	3 528 243	1 637 913	5 180 596	4	5
		1998.. 39 358	1 187 395	27 586	56 573	723 503	3 706 797	1 619 264	5 325 651	2	1
		1997.. 37 589	1 171 568	27 772	56 160	717 464	3 788 056	1 766 881	5 550 540	X	X
334418	Printed circuit assembly (electronic assembly) mfg	1999.. 100 553	3 533 944	63 831	132 953	1 732 558	13 608 024	14 860 840	27 981 645	3	6
		1998.. 104 960	3 549 080	66 733	132 500	1 677 700	10 082 321	14 493 887	24 994 715	3	3
		1997.. 115 076	4 007 610	68 441	137 697	1 600 815	10 592 734	16 116 426	27 103 573	X	X
334419	Other electronic component mfg	1999.. 89 453	2 820 282	60 147	118 270	1 411 798	6 170 811	4 346 547	10 553 530	2	3
		1998.. 89 815	2 736 746	59 765	118 324	1 348 363	5 773 545	4 270 510	10 070 583	1	1
		1997.. 91 733	2 729 587	61 314	118 338	1 329 680	6 025 751	4 313 763	10 328 135	X	X
3345	Navigational, measuring, medical, & control instruments mfg	1999.. 459 892	22 755 652	195 044	387 324	7 043 917	58 606 302	31 610 778	90 450 506	1	1
		1998.. 483 865	23 668 120	211 723	420 882	7 581 592	59 915 939	31 106 154	91 082 945	1	1
		1997.. 484 438	22 843 455	209 238	415 620	7 092 891	58 284 906	30 799 004	89 465 709	X	X
33451	Navigational, measuring, medical, & control instruments mfg	1999.. 459 892	22 755 652	195 044	387 324	7 043 917	58 606 302	31 610 778	90 450 506	1	1
		1998.. 483 865	23 668 120	211 723	420 882	7 581 592	59 915 939	31 106 154	91 082 945	1	1
		1997.. 484 438	22 843 455	209 238	415 620	7 092 891	58 284 906	30 799 004	89 465 709	X	X
334510	Electromedical & electrotherapeutic apparatus mfg	1999.. 54 247	2 594 733	23 021	46 720	721 278	7 822 095	4 350 907	12 218 880	2	2
		1998.. 55 333	2 670 194	24 127	48 775	756 629	7 886 308	4 156 163	11 959 013	3	2
		1997.. 55 044	2 635 085	24 724	50 363	741 374	7 619 290	3 995 354	11 581 624	X	X
334511	Search, detection, navigation, & guidance instrument mfg	1999.. 168 816	9 540 278	59 417	113 321	2 570 322	21 813 435	9 190 864	31 193 638	1	1
		1998.. 188 299	10 257 901	69 485	134 441	2 910 566	23 941 705	9 192 213	33 265 406	1	1
		1997.. 188 325	9 977 629	65 102	126 006	2 627 879	23 155 326	9 051 326	32 661 495	X	X
334512	Automatic environmental control mfg	1999.. 20 681	702 579	13 835	28 757	371 283	1 880 524	1 192 722	3 102 571	2	2
		1998.. 20 477	670 457	14 531	27 165	366 769	1 898 607	1 261 242	3 133 485	6	4
		1997.. 21 470	666 464	14 922	29 904	371 348	1 737 147	1 195 244	2 943 971	X	X
334513	Industrial process control instrument mfg	1999.. 45 663	1 921 939	20 259	40 118	646 304	4 934 225	2 889 657	7 831 657	2	1
		1998.. 46 957	2 013 993	22 015	42 715	690 384	4 761 813	2 858 579	7 621 243	1	2
		1997.. 48 237	1 958 046	21 312	41 233	618 958	4 914 894	2 728 231	7 662 564	X	X
334514	Totalizing fluid meter & counting device mfg	1999.. 15 700	704 696	10 685	22 496	442 778	1 976 412	2 010 498	4 006 470	5	2
		1998.. 16 726	695 847	11 654	23 578	422 045	2 018 174	1 836 148	3 840 622	1	2
		1997.. 17 155	666 032	11 853	23 367	404 421	1 996 360	1 712 162	3 716 095	X	X
334515	Electricity measuring & testing instrument mfg	1999.. 64 471	3 176 326	27 744	54 882	975 296	9 158 447	4 995 731	14 055 918	1	2
		1998.. 63 976	3 222 892	28 721	59 505	1 050 922	8 754 959	4 772 761	13 610 141	1	3
		1997.. 63 891	3 045 208	29 626	60 904	1 033 172	8 991 807	5 140 771	14 025 050	X	X
334516	Analytical laboratory instrument mfg	1999.. 36 378	1 776 871	13 229	28 126	492 046	4 788 603	2 797 027	7 610 210	3	2
		1998.. 36 278	1 767 898	13 075	26 526	512 555	4 480 606	2 689 605	7 201 507	1	1
		1997.. 36 820	1 728 708	13 660	27 460	495 787	4 111 184	2 752 613	6 899 852	X	X
334517	Irradiation apparatus mfg	1999.. 12 833	683 450	5 238	11 776	206 690	2 221 715	1 659 807	3 922 088	3	2
		1998.. 13 929	692 336	5 650	12 531	203 784	2 243 374	1 833 998	4 061 936	1	1
		1997.. 13 547	642 088	5 657	12 299	187 134	2 075 258	1 884 903	3 970 454	X	X
334518	Watch, clock, & part mfg	1999.. 6 299	200 660	4 128	8 482	97 018	697 270	441 928	1 103 163	9	5
		1998.. 6 521	199 384	4 510	9 596	99 179	598 509	425 110	1 020 778	2	2
		1997.. 6 333	178 487	4 482	9 229	93 587	550 979	380 479	921 827	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
334	Computer & electronic product mfg—Con.										
3345	Navigational, measuring, medical, & control instruments mfg—Con.										
33451	Navigational, measuring, medical, & control instruments mfg—Con.										
334519	Other measuring & controlling device mfg	1999.. 34 803	1 454 121	17 489	32 646	520 902	3 313 576	2 081 637	5 405 912	3	3
		1998.. 35 368	1 477 220	17 954	36 051	568 759	3 331 884	2 080 333	5 368 816	2	2
		1997.. 33 616	1 345 708	17 900	34 855	519 231	3 132 661	1 957 921	5 082 777	X	X
3346	Mfg & reproducing magnetic & optical media	1999.. 47 278	1 707 249	33 675	70 638	985 978	5 313 556	3 742 910	9 107 571	3	3
		1998.. 58 097	1 990 910	39 571	82 580	1 145 098	6 201 087	4 368 987	10 563 622	3	2
		1997.. 53 917	1 853 688	37 979	79 228	1 113 709	5 465 519	4 241 985	9 697 625	X	X
33461	Mfg & reproducing magnetic & optical media	1999.. 47 278	1 707 249	33 675	70 638	985 978	5 313 556	3 742 910	9 107 571	3	3
		1998.. 58 097	1 990 910	39 571	82 580	1 145 098	6 201 087	4 368 987	10 563 622	3	2
		1997.. 53 917	1 853 688	37 979	79 228	1 113 709	5 465 519	4 241 985	9 697 625	X	X
334611	Software reproducing	1999.. 4 572	240 175	2 895	5 538	84 640	792 714	208 438	990 348	15	10
		1998.. 12 432	466 143	6 364	13 318	206 046	1 256 085	648 662	1 889 302	8	9
		1997.. 7 868	302 863	4 212	9 721	192 472	786 164	421 955	1 209 207	X	X
334612	Prerecorded CD (except software), tape, & record reproducing	1999.. 25 536	797 059	18 939	40 194	526 882	2 634 634	1 663 753	4 307 772	5	3
		1998.. 26 481	808 900	20 452	42 118	544 876	2 702 739	1 602 553	4 315 726	1	1
		1997.. 25 180	747 551	19 430	40 123	512 482	2 379 126	1 411 504	3 809 652	X	X
334613	Magnetic & optical recording media mfg	1999.. 17 170	670 015	11 842	24 906	374 456	1 886 209	1 870 719	3 809 451	4	3
		1998.. 19 184	715 867	12 756	27 143	394 176	2 242 263	2 117 772	4 358 594	8	1
		1997.. 20 869	803 274	14 337	29 384	408 755	2 300 229	2 408 526	4 678 766	X	X
335	Electrical equipment, appliance, & component mfg	1999.. 598 456	20 253 156	437 731	874 308	12 120 734	60 457 721	59 136 590	119 792 183	1	1
		1998.. 593 347	19 528 559	432 417	862 375	11 681 365	59 124 430	57 014 078	116 024 078	1	1
		1997.. 593 802	18 972 741	432 273	860 344	11 368 753	57 215 610	54 987 295	112 116 267	X	X
3351	Electric lighting equipment mfg	1999.. 78 270	2 370 341	56 720	113 644	1 405 105	7 352 158	6 158 217	13 577 884	3	2
		1998.. 72 849	2 170 324	54 929	114 097	1 363 141	7 517 056	5 915 745	13 480 092	1	1
		1997.. 74 987	2 204 508	55 744	112 190	1 360 134	7 038 950	5 692 530	12 710 091	X	X
33511	Electric lamp bulb & part mfg	1999.. 13 072	498 614	11 189	24 224	422 141	1 855 854	997 173	2 915 631	18	6
		1998.. 15 946	556 505	13 072	27 065	446 149	2 177 383	1 126 153	3 320 979	1	1
		1997.. 15 903	574 696	13 478	28 532	471 301	2 119 597	1 185 867	3 306 009	X	X
335110	Electric lamp bulb & part mfg	1999.. 13 072	498 614	11 189	24 224	422 141	1 855 854	997 173	2 915 631	18	6
		1998.. 15 946	556 505	13 072	27 065	446 149	2 177 383	1 126 153	3 320 979	1	1
		1997.. 15 903	574 696	13 478	28 532	471 301	2 119 597	1 185 867	3 306 009	X	X
33512	Lighting fixture mfg	1999.. 65 199	1 871 728	45 531	89 420	982 964	5 496 303	5 161 044	10 662 253	2	2
		1998.. 56 903	1 613 819	41 857	87 033	916 992	5 339 673	4 789 592	10 159 113	2	2
		1997.. 59 084	1 629 812	42 266	83 658	888 833	4 919 353	4 506 663	9 404 082	X	X
335121	Residential electric lighting fixture mfg	1999.. 19 400	463 909	13 902	28 050	260 078	1 160 330	924 413	2 092 245	5	5
		1998.. 17 871	456 504	13 676	27 297	254 469	1 196 054	1 157 891	2 376 950	3	2
		1997.. 17 681	430 595	13 194	26 142	234 477	1 166 774	1 087 396	2 255 251	X	X
335122	Commercial/industrial/institutional electric lighting fixture mfg	1999.. 24 747	732 554	17 353	33 898	382 238	2 337 240	2 434 662	4 763 566	3	4
		1998.. 22 273	632 564	16 309	34 661	358 968	2 415 823	2 082 695	4 480 225	2	1
		1997.. 23 098	657 592	16 409	33 063	364 950	2 070 729	2 043 965	4 101 442	X	X
335129	Other lighting equipment mfg	1999.. 21 052	675 265	14 276	27 472	340 648	1 998 733	1 801 969	3 806 442	2	3
		1998.. 16 759	524 751	11 872	25 075	303 555	1 727 796	1 549 005	3 301 937	5	5
		1997.. 18 305	541 625	12 663	24 453	289 406	1 681 850	1 375 302	3 047 389	X	X
3352	Household appliance mfg	1999.. 97 766	3 135 117	82 117	161 990	2 301 158	10 466 323	12 403 521	22 936 320	1	1
		1998.. 99 531	3 089 525	82 373	157 760	2 240 202	10 032 133	12 588 257	22 471 878	1	1
		1997.. 97 232	2 916 830	79 808	155 504	2 122 738	10 082 604	11 292 048	21 394 445	X	X
33521	Small electrical appliance mfg	1999.. 23 424	684 059	17 760	34 436	418 775	2 596 630	2 376 082	4 994 164	2	3
		1998.. 26 419	742 960	19 551	37 344	431 195	2 503 127	3 291 006	5 757 970	1	3
		1997.. 27 505	748 041	20 111	37 601	434 845	2 869 205	3 026 039	5 907 367	X	X
335211	Electric housewares & household fan mfg	1999.. 13 261	340 555	10 422	20 858	218 995	1 248 913	1 216 944	2 524 215	4	5
		1998.. 15 480	372 274	11 793	22 483	221 532	1 264 667	1 769 077	3 027 425	2	6
		1997.. 17 058	411 389	12 948	24 212	251 100	1 666 523	1 860 256	3 532 813	X	X
335212	Household vacuum cleaner mfg	1999.. 10 163	343 504	7 338	13 578	199 779	1 347 716	1 159 139	2 469 950	2	2
		1998.. 10 939	370 685	7 758	14 860	209 663	1 238 460	1 521 929	2 730 544	1	1
		1997.. 10 447	336 652	7 163	13 389	183 745	1 202 682	1 165 783	2 374 554	X	X
33522	Major appliance mfg	1999.. 74 342	2 451 058	64 357	127 554	1 882 384	7 869 693	10 027 439	17 942 156	1	1
		1998.. 73 113	2 346 565	62 822	120 416	1 809 007	7 529 006	9 297 251	16 713 908	1	1
		1997.. 69 727	2 168 789	59 697	117 903	1 687 893	7 213 399	8 266 009	15 487 078	X	X
335221	Household cooking appliance mfg	1999.. 19 410	568 687	16 550	34 095	398 853	1 737 611	2 312 054	4 115 702	1	4
		1998.. 18 237	523 078	15 263	29 785	356 750	1 704 978	2 225 702	3 849 167	6	5
		1997.. 17 481	477 587	14 378	29 881	331 137	1 704 606	1 794 638	3 520 635	X	X
335222	Household refrigerator & home freezer mfg	1999.. 25 705	873 720	22 606	44 157	704 236	2 392 663	3 475 346	5 849 874	1	1
		1998.. 24 921	837 302	22 058	42 406	689 198	2 035 926	3 182 074	5 188 241	1	1
		1997.. 24 597	801 717	21 513	41 152	648 064	1 941 186	2 943 884	4 887 364	X	X
335224	Household laundry equipment mfg	1999.. 16 071	556 697	14 129	26 692	436 359	1 926 352	2 462 978	4 385 222	1	1
		1998.. 16 740	565 166	14 307	26 318	438 647	2 105 958	2 316 703	4 421 433	1	1
		1997.. 14 801	480 076	12 925	25 055	393 537	1 792 070	2 081 226	3 847 002	X	X
335228	Other major household appliance mfg	1999.. 13 156	451 955	11 073	22 610	342 936	1 813 068	1 777 061	3 591 358	2	2
		1998.. 13 215	421 019	11 195	21 906	324 412	1 682 143	1 572 772	3 255 066	1	1
		1997.. 12 848	409 409	10 881	21 815	315 155	1 775 537	1 446 261	3 232 077	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
335	Electrical equipment, appliance, & component mfg—Con.										
3353	Electrical equipment mfg	1999.. 206 852	7 275 085	143 635	282 785	4 047 346	19 157 682	17 481 539	36 720 165	1	1
		1998.. 205 756	7 013 831	141 444	275 856	3 824 789	19 210 972	17 115 500	36 265 722	1	1
		1997.. 209 311	6 845 920	144 608	285 279	3 776 159	19 241 142	16 989 463	36 233 634	X	X
33531	Electrical equipment mfg	1999.. 206 852	7 275 085	143 635	282 785	4 047 346	19 157 682	17 481 539	36 720 165	1	1
		1998.. 205 756	7 013 831	141 444	275 856	3 824 789	19 210 972	17 115 500	36 265 722	1	1
		1997.. 209 311	6 845 920	144 608	285 279	3 776 159	19 241 142	16 989 463	36 233 634	X	X
335311	Power, distribution, & specialty transformer mfg	1999.. 25 700	846 373	18 814	40 537	511 057	2 452 808	2 342 272	4 779 346	1	2
		1998.. 26 758	831 006	19 753	39 977	508 941	2 476 386	2 343 284	4 779 143	4	5
		1997.. 26 897	825 550	20 158	41 367	518 189	2 566 056	2 189 069	4 743 781	X	X
335312	Motor & generator mfg	1999.. 73 419	2 329 504	57 564	112 884	1 574 969	6 002 350	6 010 034	12 003 594	1	1
		1998.. 70 105	2 149 600	55 269	105 588	1 456 215	5 993 778	5 738 413	11 594 835	3	3
		1997.. 74 171	2 172 250	57 853	115 681	1 456 910	6 123 289	6 027 446	12 174 434	X	X
335313	Switchgear & switchboard apparatus mfg	1999.. 43 443	1 595 954	30 152	60 863	928 141	4 688 190	3 629 586	8 314 272	3	1
		1998.. 41 859	1 507 992	29 467	61 288	875 641	4 458 253	3 449 230	7 877 174	1	1
		1997.. 40 358	1 430 985	28 119	57 651	836 400	4 322 599	3 166 941	7 488 911	X	X
335314	Relay & industrial control mfg	1999.. 64 288	2 503 253	37 106	68 501	1 033 179	6 014 334	5 499 646	11 622 954	1	1
		1998.. 67 034	2 525 233	36 955	69 003	983 992	6 282 555	5 584 574	12 014 570	2	1
		1997.. 67 885	2 417 135	38 478	70 580	964 660	6 229 198	5 606 007	11 826 508	X	X
3359	Other electrical equipment & component mfg	1999.. 215 568	7 472 613	155 259	315 889	4 367 124	23 481 558	23 093 313	46 557 814	1	1
		1998.. 215 210	7 254 879	153 671	314 662	4 253 233	22 364 269	21 394 576	43 806 387	1	1
		1997.. 212 272	7 005 483	152 113	307 371	4 109 722	20 852 914	21 013 254	41 778 097	X	X
33591	Battery mfg	1999.. 32 091	1 150 090	25 676	52 710	813 545	4 041 166	3 617 469	7 656 740	1	3
		1998.. 30 686	1 061 894	24 459	50 299	766 556	3 500 302	3 403 621	6 886 491	1	2
		1997.. 32 507	1 087 746	25 768	50 950	782 452	3 560 826	3 264 177	6 823 196	X	X
335911	Storage battery mfg	1999.. 23 018	817 799	18 533	38 647	583 918	2 502 640	2 388 102	4 892 436	1	5
		1998.. 21 900	751 880	17 767	36 676	562 144	2 039 932	2 222 101	4 252 466	2	2
		1997.. 23 318	790 839	18 719	37 507	587 577	2 169 833	2 245 395	4 435 329	X	X
335912	Primary battery mfg	1999.. 9 073	332 292	7 143	14 064	229 626	1 538 526	1 229 367	2 764 304	2	1
		1998.. 8 786	310 014	6 692	13 623	204 412	1 460 370	1 181 521	2 634 025	1	3
		1997.. 9 189	296 907	7 049	13 443	194 875	1 390 993	1 018 782	2 387 867	X	X
33592	Communication & energy wire & cable mfg	1999.. 59 278	2 124 918	43 340	90 151	1 322 255	6 837 838	10 483 130	17 312 017	1	1
		1998.. 56 126	2 003 744	40 171	86 921	1 215 838	6 515 459	8 767 842	15 269 963	1	2
		1997.. 54 987	1 896 479	39 687	83 966	1 149 540	6 229 721	9 063 209	15 245 693	X	X
335921	Fiber optic cable mfg	1999.. 10 506	450 450	7 449	15 420	290 105	1 720 603	2 113 842	3 843 661	3	2
		1998.. 8 990	390 142	6 513	13 313	234 108	1 427 473	1 529 568	2 332 462	1	1
		1997.. 8 630	366 045	6 233	12 341	217 617	1 373 769	1 453 212	2 772 428	X	X
335929	Other communication & energy wire mfg	1999.. 48 772	1 674 467	35 891	74 731	1 032 150	5 117 235	8 369 288	13 468 357	1	2
		1998.. 47 136	1 613 602	33 658	73 608	981 730	5 087 986	7 238 274	12 337 501	1	2
		1997.. 46 357	1 530 434	33 454	71 625	931 923	4 855 952	7 609 997	12 473 265	X	X
33593	Wiring device mfg	1999.. 69 241	2 194 049	51 179	102 345	1 303 840	7 405 547	4 617 695	11 997 661	2	2
		1998.. 70 605	2 166 451	51 366	103 638	1 304 099	6 911 388	4 682 159	11 664 378	1	3
		1997.. 68 447	2 080 658	50 100	99 717	1 241 203	6 008 044	4 313 753	10 328 708	X	X
335931	Current-carrying wiring device mfg	1999.. 45 510	1 384 921	33 079	63 714	801 524	4 429 165	2 498 885	6 926 380	3	3
		1998.. 46 125	1 368 999	33 526	65 502	810 059	4 053 665	2 500 536	6 594 066	1	2
		1997.. 44 907	1 293 583	32 867	63 417	754 029	3 553 666	2 326 114	5 877 522	X	X
335932	Noncurrent-carrying wiring device mfg	1999.. 23 731	809 129	18 100	38 631	502 317	2 976 382	2 118 810	5 071 281	1	3
		1998.. 24 480	797 451	17 840	38 137	494 040	2 857 723	2 181 623	5 070 312	1	7
		1997.. 23 540	787 075	17 233	36 300	487 174	2 454 378	1 987 639	4 451 186	X	X
33599	All other electrical equipment & component mfg	1999.. 54 958	2 003 555	35 064	70 682	927 484	5 197 007	4 375 019	9 591 396	2	4
		1998.. 57 794	2 022 791	37 676	73 804	966 740	5 437 120	4 540 953	9 985 555	1	2
		1997.. 56 331	1 940 600	36 558	72 738	936 527	5 054 323	4 372 115	9 380 500	X	X
335991	Carbon & graphite product mfg	1999.. 10 271	378 493	7 627	16 442	246 999	1 048 231	1 022 011	2 120 937	3	3
		1998.. 10 562	397 049	7 860	17 098	267 714	1 277 986	1 054 709	2 301 956	2	1
		1997.. 10 691	397 781	7 980	17 533	261 158	1 267 908	1 096 041	2 340 732	X	X
335999	All other miscellaneous electrical equipment & component mfg	1999.. 44 687	1 625 062	27 437	54 240	680 485	4 148 776	3 353 008	7 470 459	2	5
		1998.. 47 232	1 625 742	29 816	56 706	699 026	4 159 134	3 486 244	7 683 599	2	2
		1997.. 45 640	1 542 819	28 578	55 205	675 369	3 786 415	3 276 074	7 039 768	X	X
336	Transportation equipment mfg	1999.. 1 876 481	86 806 490	1 371 390	2 855 641	57 105 923	268 511 356	405 441 557	675 121 892	1	1
		1998.. 1 886 700	82 177 792	1 370 994	2 788 131	52 704 605	245 618 666	375 416 369	612 881 747	1	1
		1997.. 1 842 315	79 616 518	1 340 735	2 734 790	51 450 169	227 510 551	348 121 929	575 306 996	X	X
3361	Motor vehicle mfg	1999.. 233 339	14 562 705	205 834	435 746	12 437 940	80 133 699	187 399 834	267 476 168	1	1
		1998.. 234 960	12 957 724	204 676	405 542	10 771 759	66 288 674	162 893 833	229 324 666	1	1
		1997.. 236 247	13 022 700	207 368	423 564	10 905 978	72 574 976	147 707 890	220 052 857	X	X
33611	Automobile & light duty motor vehicle mfg	1999.. 197 754	12 927 665	176 208	376 661	11 180 332	75 038 768	170 373 669	245 403 017	1	1
		1998.. 201 366	11 518 511	177 069	352 161	9 658 097	60 409 729	150 640 297	211 202 751	1	1
		1997.. 207 838	11 804 330	184 298	377 637	9 966 886	68 314 274	137 408 998	205 543 825	X	X
336111	Automobile mfg	1999.. 104 215	6 253 417	90 278	185 187	5 211 873	32 193 039	73 021 657	105 210 065	1	1
		1998.. 109 196	6 054 334	92 527	180 113	4 827 121	27 124 913	69 454 328	96 707 919	1	1
		1997.. 113 820	6 404 445	97 859	197 349	5 190 889	28 937 270	66 543 755	95 365 667	X	X
336112	Light truck & utility vehicle mfg	1999.. 93 539	6 674 249	85 930	191 474	5 948 459	42 845 728	97 352 012	140 192 952	1	1
		1998.. 92 170	5 464 176	84 542	172 048	4 830 976	33 284 816	81 185 970	114 494 833	1	1
		1997.. 94 018	5 399 885	86 439	180 288	4 775 997	39 377 004	70 865 243	110 178 158	X	X
33612	Heavy duty truck mfg	1999.. 35 585	1 635 039	29 625	59 085	1 277 608	5 094 931	17 026 165	22 073 152	1	1
		1998.. 33 594	1 439 213	27 606	53 381	1 113 662	5 878 945	12 253 536	18 121 914	1	1
		1997.. 28 409	1 218 370	23 070	45 927	939 092	4 260 702	10 298 892	14 509 032	X	X
336120	Heavy duty truck mfg	1999.. 35 585	1 635 039	29 625	59 085	1 277 608	5 094 931	17 026 165	22 073 152	1	1
		1998.. 33 594	1 439 213	27 606	53 381	1 113 662	5 878 945	12 253 536	18 121 914	1	1
		1997.. 28 4									

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
336	Transportation equipment mfg—Con.										
3362	Motor vehicle body & trailer mfg	1999.. 139 265	4 132 588	114 313	227 839	2 918 023	10 219 586	18 557 095	28 630 502	1	2
		1998.. 129 031	3 631 182	104 006	205 219	2 514 823	8 474 444	17 075 190	25 789 267	1	3
		1997.. 125 015	3 386 084	100 081	197 511	2 322 488	7 693 717	15 335 443	23 007 668	X	X
33621	Motor vehicle body & trailer mfg	1999.. 139 265	4 132 588	114 313	227 839	2 918 023	10 219 586	18 557 095	28 630 502	1	2
		1998.. 129 031	3 631 182	104 006	205 219	2 514 823	8 474 444	17 075 190	25 789 267	1	3
		1997.. 125 015	3 386 084	100 081	197 511	2 322 488	7 693 717	15 335 443	23 007 668	X	X
336211	Motor vehicle body mfg	1999.. 43 686	1 391 772	34 189	69 072	953 000	3 916 893	6 585 897	10 460 815	2	3
		1998.. 43 306	1 267 038	32 863	66 373	854 051	2 982 920	6 404 325	9 695 984	3	9
		1997.. 42 773	1 225 282	32 582	65 628	834 399	2 995 537	6 008 290	9 008 512	X	X
336212	Truck trailer mfg	1999.. 35 425	1 004 685	30 232	60 709	750 531	2 396 501	4 510 269	6 839 045	2	3
		1998.. 31 909	905 967	26 732	53 024	644 268	2 118 779	4 290 485	6 380 428	2	2
		1997.. 30 648	835 977	25 633	50 446	577 684	1 788 126	3 766 432	5 504 115	X	X
336213	Motor home mfg	1999.. 20 005	630 445	16 448	32 498	438 798	1 560 394	3 643 179	5 161 417	3	3
		1998.. 18 306	542 184	15 239	29 188	380 346	1 340 295	3 126 531	4 465 757	1	1
		1997.. 17 801	499 374	14 484	29 409	351 814	1 178 051	2 689 793	3 894 350	X	X
336214	Travel trailer & camper mfg	1999.. 40 149	1 105 686	33 445	65 559	775 693	2 345 798	3 817 750	6 169 224	3	4
		1998.. 35 510	915 992	29 172	56 634	636 159	2 032 450	3 253 849	5 247 098	1	3
		1997.. 33 793	825 451	27 382	52 028	558 591	1 732 003	2 870 928	4 600 691	X	X
3363	Motor vehicle parts mfg	1999.. 794 563	33 984 018	642 492	1 360 104	25 550 877	86 310 081	115 077 193	201 470 300	1	1
		1998.. 789 564	31 382 928	636 478	1 319 964	23 232 554	77 370 457	107 424 385	184 476 031	1	1
		1997.. 779 913	30 960 765	629 873	1 305 668	23 163 024	73 797 867	104 504 958	178 511 569	X	X
33631	Motor vehicle gasoline engine & engine parts mfg	1999.. 96 439	4 568 228	79 053	170 585	3 534 901	11 147 994	19 283 878	30 430 699	1	1
		1998.. 98 593	4 214 555	80 082	164 962	3 194 112	10 680 155	18 741 527	29 398 517	1	1
		1997.. 97 823	4 184 639	79 694	166 573	3 192 555	9 597 585	18 860 266	28 518 227	X	X
336311	Carburetor, piston, piston ring, & valve mfg	1999.. 17 727	748 149	14 603	30 830	567 940	1 798 277	1 338 874	3 147 397	4	1
		1998.. 17 706	709 099	14 579	30 761	536 278	1 676 075	1 225 645	2 913 458	1	2
		1997.. 17 241	663 961	14 285	29 836	504 719	1 587 949	1 138 820	2 731 573	X	X
336312	Gasoline engine & engine parts mfg	1999.. 78 712	3 820 079	64 450	139 754	2 966 962	9 349 717	17 945 005	27 283 301	1	1
		1998.. 80 887	3 505 457	65 503	134 201	2 657 834	9 004 079	17 515 882	26 485 059	1	1
		1997.. 80 582	3 520 678	65 409	136 737	2 687 836	8 009 636	17 721 446	25 786 654	X	X
33632	Motor vehicle electrical & electronic equipment mfg	1999.. 115 022	4 085 376	88 031	169 230	2 775 886	11 864 684	13 838 106	25 891 489	7	4
		1998.. 114 955	3 928 384	88 420	173 132	2 654 929	10 555 525	12 342 813	22 793 425	1	1
		1997.. 114 196	3 981 222	87 803	169 589	2 707 223	9 574 476	11 940 488	21 633 391	X	X
336321	Vehicular lighting equipment mfg	1999.. 17 237	681 882	12 952	26 672	471 769	1 638 895	1 569 308	3 248 715	2	2
		1998.. 15 660	603 249	12 109	24 232	430 755	1 494 845	1 641 398	3 137 546	1	1
		1997.. 16 624	631 881	12 990	26 628	445 699	1 612 341	1 714 351	3 336 152	X	X
336322	Other motor vehicle electrical & electronic equipment mfg	1999.. 97 785	3 403 494	75 079	142 558	2 304 118	10 225 789	12 268 798	22 642 774	8	4
		1998.. 99 295	3 325 135	76 310	148 900	2 224 174	9 060 679	10 701 416	19 655 879	1	1
		1997.. 97 572	3 349 341	74 813	142 961	2 261 524	7 962 135	10 226 137	18 297 239	X	X
33633	Motor vehicle steering & suspension component (except spring) mfg	1999.. 48 697	2 493 537	40 480	90 163	1 961 256	6 732 080	4 596 490	11 299 544	2	2
		1998.. 47 682	2 269 812	39 120	85 533	1 776 050	5 117 585	5 423 741	10 589 773	1	1
		1997.. 48 676	2 341 273	40 079	86 039	1 819 005	5 234 835	5 424 087	10 632 673	X	X
336330	Motor vehicle steering & suspension component (except spring) mfg	1999.. 48 697	2 493 537	40 480	90 163	1 961 256	6 732 080	4 596 490	11 299 544	2	2
		1998.. 47 682	2 269 812	39 120	85 533	1 776 050	5 117 585	5 423 741	10 589 773	1	1
		1997.. 48 676	2 341 273	40 079	86 039	1 819 005	5 234 835	5 424 087	10 632 673	X	X
33634	Motor vehicle brake system mfg	1999.. 44 608	1 687 684	35 021	72 158	1 221 131	4 769 289	7 659 980	12 454 015	4	3
		1998.. 45 807	1 551 511	36 800	73 136	1 130 869	4 140 406	6 906 829	11 075 700	3	2
		1997.. 43 146	1 503 210	34 319	71 184	1 077 541	4 046 472	6 952 820	10 981 044	X	X
336340	Motor vehicle brake system mfg	1999.. 44 608	1 687 684	35 021	72 158	1 221 131	4 769 289	7 659 980	12 454 015	4	3
		1998.. 45 807	1 551 511	36 800	73 136	1 130 869	4 140 406	6 906 829	11 075 700	3	2
		1997.. 43 146	1 503 210	34 319	71 184	1 077 541	4 046 472	6 952 820	10 981 044	X	X
33635	Motor vehicle transmission & power train parts mfg	1999.. 111 031	5 822 159	91 113	208 602	4 684 210	14 727 851	20 301 605	35 061 680	3	3
		1998.. 102 538	5 182 986	84 641	192 923	4 118 730	11 807 095	18 948 620	30 515 993	1	1
		1997.. 100 605	4 982 175	82 810	184 487	3 965 743	11 916 802	18 166 804	30 105 923	X	X
336350	Motor vehicle transmission & power train parts mfg	1999.. 111 031	5 822 159	91 113	208 602	4 684 210	14 727 851	20 301 605	35 061 680	3	3
		1998.. 102 538	5 182 986	84 641	192 923	4 118 730	11 807 095	18 948 620	30 515 993	1	1
		1997.. 100 605	4 982 175	82 810	184 487	3 965 743	11 916 802	18 166 804	30 105 923	X	X
33636	Motor vehicle seating & interior trim mfg	1999.. 55 519	1 966 703	44 534	92 505	1 397 058	4 999 788	9 309 409	14 275 725	2	1
		1998.. 48 898	1 636 272	39 405	80 870	1 157 437	4 181 234	8 191 822	12 379 665	1	4
		1997.. 47 885	1 532 785	38 220	78 425	1 100 800	4 272 286	7 612 024	11 869 070	X	X
336360	Motor vehicle seating & interior trim mfg	1999.. 55 519	1 966 703	44 534	92 505	1 397 058	4 999 788	9 309 409	14 275 725	2	1
		1998.. 48 898	1 636 272	39 405	80 870	1 157 437	4 181 234	8 191 822	12 379 665	1	4
		1997.. 47 885	1 532 785	38 220	78 425	1 100 800	4 272 286	7 612 024	11 869 070	X	X
33637	Motor vehicle metal stamping	1999.. 119 521	5 931 462	101 112	219 084	4 734 865	11 926 547	13 037 395	24 939 544	2	2
		1998.. 123 214	5 461 784	101 246	215 481	4 122 568	11 489 675	12 686 748	24 126 992	1	1
		1997.. 126 668	5 642 120	105 248	226 337	4 418 773	10 915 335	12 677 687	23 633 912	X	X
336370	Motor vehicle metal stamping	1999.. 119 521	5 931 462	101 112	219 084	4 734 865	11 926 547	13 037 395	24 939 544	2	2
		1998.. 123 214	5 461 784	101 246	215 481	4 122 568	11 489 675	12 686 748	24 126 992	1	1
		1997.. 126 668	5 642 120	105 248	226 337	4 418 773	10 915 335	12 677 687	23 633 912	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E					
336	Transportation equipment mfg—Con.										
3363	Motor vehicle parts mfg—Con.										
33639	Other motor vehicle parts mfg	1999.. 203 727	7 428 869	163 148	337 777	5 241 571	20 141 847	27 050 330	47 117 694	2	2
		1998.. 207 877	7 137 624	166 765	333 927	5 077 860	19 398 782	24 182 283	43 595 966	1	1
		1997.. 200 914	6 793 341	161 700	323 034	4 881 384	18 240 076	22 870 782	41 137 329	X	X
336391	Motor vehicle air-conditioning mfg	1999.. 21 514	1 169 656	17 846	39 876	886 490	2 713 328	3 366 090	6 068 974	1	1
		1998.. 21 310	999 087	17 402	38 405	755 741	2 606 692	3 001 970	5 568 484	1	1
		1997.. 21 522	1 053 943	17 504	38 953	821 334	2 701 288	2 875 912	5 626 596	X	X
336399	All other motor vehicle parts mfg	1999.. 182 213	6 259 213	145 302	297 901	4 355 081	17 428 519	23 684 240	41 048 721	2	2
		1998.. 186 567	6 138 537	149 363	295 521	4 322 118	16 792 090	21 180 313	38 027 482	1	1
		1997.. 179 392	5 739 398	144 196	284 081	4 060 050	15 538 788	19 994 870	35 510 733	X	X
3364	Aerospace product & parts mfg	1999.. 489 908	26 408 177	249 206	509 006	11 523 222	73 896 767	64 391 194	139 662 433	1	1
		1998.. 517 014	26 848 225	268 720	544 190	11 751 312	76 048 971	69 558 448	137 403 710	1	1
		1997.. 487 114	25 159 567	250 448	502 557	10 784 018	57 688 992	62 819 021	120 438 212	X	X
33641	Aerospace product & parts mfg	1999.. 489 908	26 408 177	249 206	509 006	11 523 222	73 896 767	64 391 194	139 662 433	1	1
		1998.. 517 014	26 848 225	268 720	544 190	11 751 312	76 048 971	69 558 448	137 403 710	1	1
		1997.. 487 114	25 159 567	250 448	502 557	10 784 018	57 688 992	62 819 021	120 438 212	X	X
336411	Aircraft mfg	1999.. 200 177	10 795 155	98 455	197 521	4 849 048	34 102 605	37 405 072	73 960 972	1	1
		1998.. 213 148	11 289 840	106 227	200 368	4 812 614	36 025 687	40 572 366	69 540 577	1	1
		1997.. 202 491	10 839 372	97 742	185 616	4 426 847	20 767 608	36 653 368	57 893 242	X	X
336412	Aircraft engine & engine parts mfg	1999.. 83 235	4 454 041	48 827	98 658	2 026 783	11 974 222	11 729 649	24 290 646	1	1
		1998.. 84 617	4 292 039	49 398	103 820	2 034 279	12 959 853	12 031 522	24 868 538	1	1
		1997.. 84 373	4 298 767	49 122	100 963	1 971 070	11 679 669	11 437 209	22 859 270	X	X
336413	Other aircraft part & auxiliary equipment mfg	1999.. 132 592	6 282 648	75 022	156 609	3 234 113	14 316 016	7 384 345	22 429 466	2	1
		1998.. 140 978	6 464 831	62 689	180 306	3 473 185	14 361 166	8 829 955	22 402 746	1	1
		1997.. 124 677	5 574 824	72 830	155 482	3 019 543	13 110 835	7 130 109	19 373 554	X	X
336414	Guided missile & space vehicle mfg ..	1999.. 49 208	3 498 608	15 385	31 529	835 356	10 801 182	6 595 281	15 086 978	1	1
		1998.. 53 085	3 429 407	17 967	34 739	868 777	9 949 990	6 697 429	16 475 701	1	1
		1997.. 51 398	3 123 246	18 500	35 996	815 692	9 492 504	6 141 862	16 247 363	X	X
336415	Guided missile & space vehicle propulsion unit & parts mfg	1999.. 18 342	1 072 322	7 747	15 750	377 952	2 073 107	938 672	2 938 183	1	1
		1998.. 18 430	1 068 768	7 812	15 569	367 833	2 139 050	968 871	3 030 060	1	1
		1997.. 17 738	1 031 920	7 903	15 557	363 756	2 062 154	1 061 215	3 101 378	X	X
336419	Other guided missile & space vehicle parts & auxiliary equip mfg ..	1999.. 6 354	305 404	3 771	8 939	199 970	629 635	338 176	956 188	2	1
		1998.. 6 755	303 339	4 627	9 388	194 624	613 225	458 305	1 086 089	1	1
		1997.. 6 437	291 438	4 351	8 943	187 110	575 822	395 258	963 405	X	X
3365	Railroad rolling stock mfg	1999.. 37 957	1 512 817	27 656	59 435	925 202	4 049 289	5 573 520	9 658 192	1	1
		1998.. 37 351	1 440 110	26 645	55 202	849 084	3 848 408	5 427 590	9 256 810	1	1
		1997.. 34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	X	X
33651	Railroad rolling stock mfg	1999.. 37 957	1 512 817	27 656	59 435	925 202	4 049 289	5 573 520	9 658 192	1	1
		1998.. 37 351	1 440 110	26 645	55 202	849 084	3 848 408	5 427 590	9 256 810	1	1
		1997.. 34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	X	X
336510	Railroad rolling stock mfg	1999.. 37 957	1 512 817	27 656	59 435	925 202	4 049 289	5 573 520	9 658 192	1	1
		1998.. 37 351	1 440 110	26 645	55 202	849 084	3 848 408	5 427 590	9 256 810	1	1
		1997.. 34 012	1 319 135	23 977	53 391	796 472	3 345 283	5 097 254	8 263 395	X	X
3366	Ship & boat building	1999.. 140 659	4 729 068	103 622	209 619	2 950 608	9 895 520	8 644 805	18 462 987	1	2
		1998.. 137 756	4 461 362	102 268	204 270	2 796 839	9 497 641	7 616 381	17 081 844	1	1
		1997.. 138 237	4 382 998	100 012	198 183	2 713 663	8 602 771	7 576 924	16 150 259	X	X
33661	Ship & boat building	1999.. 140 659	4 729 068	103 622	209 619	2 950 608	9 895 520	8 644 805	18 462 987	1	2
		1998.. 137 756	4 461 362	102 268	204 270	2 796 839	9 497 641	7 616 381	17 081 844	1	1
		1997.. 138 237	4 382 998	100 012	198 183	2 713 663	8 602 771	7 576 924	16 150 259	X	X
336611	Ship building & repairing	1999.. 90 034	3 368 072	62 092	126 616	2 001 981	6 453 890	4 546 092	10 999 982	2	2
		1998.. 94 761	3 347 525	67 340	135 444	2 020 368	6 728 975	4 414 270	11 143 246	1	1
		1997.. 97 065	3 353 414	66 964	133 665	2 019 168	6 202 797	4 340 164	10 542 961	X	X
336612	Boat building	1999.. 50 624	1 360 997	41 530	83 002	948 627	3 441 630	4 098 713	7 463 004	2	3
		1998.. 42 995	1 113 836	34 929	68 826	776 471	2 768 666	3 202 110	5 938 598	3	3
		1997.. 41 172	1 029 584	33 048	64 518	694 495	2 399 974	3 236 760	5 607 298	X	X
3369	Other transportation equipment mfg	1999.. 40 790	1 477 117	28 267	53 893	800 051	4 006 414	5 797 916	9 761 311	2	2
		1998.. 41 024	1 456 262	28 201	53 744	788 233	4 090 070	5 420 542	9 549 417	1	1
		1997.. 41 777	1 385 269	28 976	53 916	764 526	3 807 345	5 080 439	8 883 036	X	X
33699	Other transportation equipment mfg	1999.. 40 790	1 477 117	28 267	53 893	800 051	4 006 414	5 797 916	9 761 311	2	2
		1998.. 41 024	1 456 262	28 201	53 744	788 233	4 090 070	5 420 542	9 549 417	1	1
		1997.. 41 777	1 385 269	28 976	53 916	764 526	3 807 345	5 080 439	8 883 036	X	X
336991	Motorcycle, bicycle, & parts mfg	1999.. 14 983	576 106	10 689	20 149	337 841	1 476 198	1 611 314	3 066 141	4	3
		1998.. 16 238	620 300	11 750	22 945	364 716	1 589 550	1 740 722	3 943 822	3	2
		1997.. 17 151	622 286	12 782	24 384	367 140	1 605 782	1 802 377	3 382 689	X	X
336992	Military armored vehicle, tank, & tank component mfg	1999.. 4 685	264 254	2 299	4 796	96 006	673 668	437 588	1 083 350	1	1
		1998.. 5 042	257 996	2 312	4 934	105 279	730 743	443 792	1 172 724	1	1
		1997.. 5 773	267 525	2 696	5 455	113 732	543 119	475 163	1 063 668	X	X
336999	All other transportation equipment mfg	1999.. 21 122	636 757	15 279	28 948	366 204	1 856 548	3 749 014	5 611 820	3	4
		1998.. 19 744	577 966	14 139	25 866	318 237	1 769 777	3 236 028	5 032 871	1	1
		1997.. 18 853	495 458	13 498	24 077	283 654	1 658 444	2 802 899	4 436 679	X	X
337	Furniture & related product mfg	1999.. 628 399	16 880 042	507 141	1 015 342	11 497 816	40 295 585	32 848 125	72 751 923	1	1
		1998.. 625 436	16 047 844	505 849	993 152	10 935 232	37 810 264	31 959 813	69 615 766	1	1
		1997.. 603 668	14 986 222	484 600	936 574	10 217 032	34 839 134	29 462 249	64 299 098	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—		
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F	
		A	B	C	D	E						
337	Furniture & related product mfg—Con.											
3371	Household & institutional furniture & kitchen cabinet mfg	1999..	408 249	10 069 274	340 877	679 601	7 252 653	22 513 026	19 776 440	42 072 037	1	1
		1998..	403 815	9 408 104	338 385	663 442	6 865 327	20 782 294	18 911 457	39 611 428	1	1
		1997..	388 438	8 767 969	322 677	613 756	6 358 136	19 152 783	17 280 609	36 418 307	X	X
33711	Wood kitchen cabinet & counter top mfg	1999..	106 666	2 774 176	85 448	175 484	1 928 997	6 227 151	4 511 172	10 718 790	2	2
		1998..	104 932	2 486 496	85 416	164 715	1 772 843	5 536 730	4 278 294	9 805 394	1	1
		1997..	99 266	2 320 124	79 704	151 337	1 643 229	5 155 365	3 874 217	9 029 834	X	X
337110	Wood kitchen cabinet & counter top mfg	1999..	106 666	2 774 176	85 448	175 484	1 928 997	6 227 151	4 511 172	10 718 790	2	2
		1998..	104 932	2 486 496	85 416	164 715	1 772 843	5 536 730	4 278 294	9 805 394	1	1
		1997..	99 266	2 320 124	79 704	151 337	1 643 229	5 155 365	3 874 217	9 029 834	X	X
33712	Household & institutional furniture mfg	1999..	301 583	7 295 099	255 429	504 118	5 323 656	16 285 876	15 265 268	31 353 247	1	1
		1998..	298 882	6 921 608	252 969	498 727	5 092 484	15 245 564	14 633 162	29 806 034	1	1
		1997..	289 172	6 447 845	242 973	462 419	4 714 907	13 997 418	13 406 392	27 388 473	X	X
337121	Upholstered household furniture mfg	1999..	94 334	2 280 747	81 231	155 595	1 743 157	4 535 448	5 005 338	9 523 481	1	1
		1998..	92 426	2 099 641	79 705	151 210	1 614 763	4 213 349	4 759 436	8 971 462	1	1
		1997..	89 215	2 001 160	76 693	142 670	1 518 080	3 978 674	4 277 651	8 232 635	X	X
337122	Nonupholstered wood household furniture mfg	1999..	133 414	3 046 596	116 671	233 158	2 348 264	7 064 379	6 050 055	12 950 975	2	2
		1998..	132 404	2 922 443	116 049	233 547	2 260 276	6 574 031	5 867 494	12 372 652	1	2
		1997..	127 703	2 674 409	110 671	213 299	2 061 506	5 905 184	5 401 214	11 318 807	X	X
337124	Metal household furniture mfg	1999..	22 165	516 850	18 023	36 622	340 893	1 348 767	1 378 668	2 714 145	2	4
		1998..	23 704	543 026	19 104	38 473	377 751	1 353 380	1 297 366	2 651 401	2	4
		1997..	22 827	505 291	18 317	35 805	341 075	1 235 159	1 178 039	2 417 293	X	X
337125	Household furniture (except wood & metal) mfg	1999..	5 188	127 151	4 147	8 021	80 657	315 127	341 306	653 304	6	7
		1998..	4 058	93 465	3 174	6 362	64 663	197 358	250 874	452 297	6	6
		1997..	4 619	110 506	3 654	7 323	78 157	271 862	279 543	547 227	X	X
337127	Institutional furniture mfg	1999..	42 476	1 236 572	31 933	63 528	744 523	2 881 196	2 316 503	5 199 311	2	3
		1998..	41 927	1 173 177	31 114	61 283	704 080	2 753 576	2 305 251	5 051 833	2	3
		1997..	40 442	1 069 509	29 865	55 905	649 263	2 456 703	2 109 640	4 554 577	X	X
337129	Wood television, radio, & sewing machine cabinet mfg	1999..	4 006	87 184	3 424	7 194	66 162	140 959	173 398	312 031	4	3
		1998..	4 362	89 857	3 824	7 852	70 951	153 870	152 741	306 389	1	2
		1997..	4 366	86 970	3 773	7 417	66 826	149 836	160 305	317 934	X	X
3372	Office furniture (including fixtures) mfg	1999..	173 735	5 563 959	131 852	268 000	3 493 506	14 118 257	9 263 001	23 262 425	2	2
		1998..	176 912	5 489 683	134 630	263 409	3 359 363	13 445 788	9 459 064	22 846 244	1	1
		1997..	172 723	5 172 846	130 849	260 647	3 222 483	12 559 656	8 947 675	21 517 554	X	X
33721	Office furniture (including fixtures) mfg	1999..	173 735	5 563 959	131 852	268 000	3 493 506	14 118 257	9 263 001	23 262 425	2	2
		1998..	176 912	5 489 683	134 630	263 409	3 359 363	13 445 788	9 459 064	22 846 244	1	1
		1997..	172 723	5 172 846	130 849	260 647	3 222 483	12 559 656	8 947 675	21 517 554	X	X
337211	Wood office furniture mfg	1999..	30 116	853 161	24 622	49 424	592 987	2 136 476	1 542 739	3 649 824	4	6
		1998..	30 535	800 091	25 206	47 402	557 393	1 908 178	1 331 612	3 226 753	3	2
		1997..	30 106	766 094	24 229	49 390	528 848	1 744 454	1 276 399	3 021 800	X	X
337212	Custom architectural woodwork & millwork mfg	1999..	25 609	804 162	17 980	35 266	470 610	1 638 753	916 737	2 545 239	3	7
		1998..	25 248	793 437	17 375	34 567	447 228	1 499 446	920 769	2 419 287	4	7
		1997..	24 390	719 926	17 351	32 733	430 466	1 352 631	848 718	2 205 019	X	X
337214	Office furniture (except wood) mfg	1999..	43 136	1 696 107	30 994	63 828	991 369	5 424 076	3 279 334	8 662 386	2	1
		1998..	45 803	1 713 334	34 159	70 027	1 011 151	5 400 214	3 273 926	8 673 470	1	1
		1997..	44 414	1 625 080	32 440	69 641	982 053	5 018 286	3 306 678	8 341 389	X	X
337215	Showcase, partition, shelving, & locker mfg	1999..	74 874	2 210 529	58 255	119 482	1 438 540	4 918 952	3 524 191	8 404 976	4	5
		1998..	75 325	2 182 822	57 891	111 413	1 343 590	4 637 930	3 932 756	8 526 734	2	2
		1997..	73 813	2 061 746	56 829	108 883	1 281 116	4 444 285	3 515 880	7 949 346	X	X
3379	Other furniture related product mfg	1999..	46 415	1 246 809	34 412	67 740	751 656	3 664 302	3 808 684	7 417 461	2	2
		1998..	44 709	1 150 057	32 834	66 301	710 543	3 582 202	3 589 293	7 158 094	1	3
		1997..	42 507	1 045 407	31 074	62 171	636 413	3 126 695	3 233 965	6 363 237	X	X
33791	Mattress mfg	1999..	24 842	687 266	18 892	37 554	422 059	2 244 938	2 196 712	4 429 592	2	3
		1998..	23 897	662 960	17 950	36 373	404 709	2 248 626	2 144 072	4 382 806	1	2
		1997..	22 971	609 570	17 222	33 896	370 234	1 977 231	1 962 999	3 936 972	X	X
337910	Mattress mfg	1999..	24 842	687 266	18 892	37 554	422 059	2 244 938	2 196 712	4 429 592	2	3
		1998..	23 897	662 960	17 950	36 373	404 709	2 248 626	2 144 072	4 382 806	1	2
		1997..	22 971	609 570	17 222	33 896	370 234	1 977 231	1 962 999	3 936 972	X	X
33792	Blind & shade mfg	1999..	21 573	559 542	15 521	30 186	329 598	1 419 364	1 611 972	2 987 869	3	5
		1998..	20 812	487 097	14 884	29 928	305 833	1 333 576	1 445 221	2 775 287	3	6
		1997..	19 536	435 837	13 852	28 275	266 179	1 149 464	1 270 966	2 426 265	X	X
337920	Blind & shade mfg	1999..	21 573	559 542	15 521	30 186	329 598	1 419 364	1 611 972	2 987 869	3	5
		1998..	20 812	487 097	14 884	29 928	305 833	1 333 576	1 445 221	2 775 287	3	6
		1997..	19 536	435 837	13 852	28 275	266 179	1 149 464	1 270 966	2 426 265	X	X
339	Miscellaneous mfg	1999..	731 673	23 577 518	493 221	975 190	11 760 706	66 369 785	42 304 132	108 238 144	1	1
		1998..	749 480	22 913 245	510 966	983 105	11 645 492	64 874 512	40 859 877	105 141 271	1	1
		1997..	725 396	21 618 204	492 558	938 191	10 970 663	61 452 548	38 263 345	99 729 798	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
339	Miscellaneous mfg—Con.										
3391	Medical equipment & supplies mfg	1999.. 302 757	11 335 139	190 665	372 431	5 006 010	34 868 084	15 821 427	50 370 600	1	1
		1998.. 312 553	11 078 106	200 425	381 872	5 029 991	33 801 020	15 590 605	49 273 788	1	1
		1997.. 291 522	10 008 144	185 316	349 073	4 501 321	30 613 184	14 155 494	44 893 840	X	X
33911	Medical equipment & supplies mfg	1999.. 302 757	11 335 139	190 665	372 431	5 006 010	34 868 084	15 821 427	50 370 600	1	1
		1998.. 312 553	11 078 106	200 425	381 872	5 029 991	33 801 020	15 590 605	49 273 788	1	1
		1997.. 291 522	10 008 144	185 316	349 073	4 501 321	30 613 184	14 155 494	44 893 840	X	X
339111	Laboratory apparatus & furniture mfg	1999.. 15 083	590 123	8 494	17 344	231 472	1 249 661	980 692	2 248 805	3	3
		1998.. 16 540	630 392	9 043	17 542	237 749	1 390 257	938 309	2 331 444	2	2
		1997.. 16 626	609 237	9 055	18 054	240 692	1 344 180	874 568	2 220 507	X	X
339112	Surgical & medical instrument mfg	1999.. 108 759	4 417 867	63 461	123 546	1 790 109	14 741 110	5 683 688	20 271 584	2	2
		1998.. 108 837	4 257 081	65 163	124 613	1 736 104	14 311 821	5 673 796	19 940 659	1	1
		1997.. 105 016	4 015 772	63 366	124 251	1 665 856	13 148 075	5 145 141	18 292 919	X	X
339113	Surgical appliance & supplies mfg	1999.. 90 840	3 664 917	57 086	111 789	1 497 771	11 994 036	6 080 401	17 910 054	2	2
		1998.. 91 574	3 488 634	57 380	109 760	1 444 610	11 331 734	5 804 073	17 043 966	1	1
		1997.. 85 646	2 982 742	53 682	100 724	1 261 161	9 863 213	5 284 395	15 233 098	X	X
339114	Dental equipment & supplies mfg	1999.. 18 268	663 920	11 635	22 381	293 856	1 899 617	1 071 779	2 949 020	3	4
		1998.. 18 495	643 955	12 064	22 934	300 755	1 782 821	1 028 296	2 836 899	3	2
		1997.. 17 806	605 765	11 646	21 694	281 684	1 717 856	957 869	2 666 147	X	X
339115	Ophthalmic goods mfg	1999.. 25 974	841 920	17 499	33 729	450 271	2 733 649	1 198 350	3 933 665	5	2
		1998.. 25 499	786 627	17 073	33 371	416 556	2 448 186	1 152 004	3 540 426	1	1
		1997.. 25 274	770 994	16 982	33 503	404 597	2 387 162	1 096 286	3 497 595	X	X
339116	Dental laboratories	1999.. 43 833	1 156 392	32 490	63 643	742 530	2 250 012	806 517	3 057 472	1	2
		1998.. 51 607	1 271 416	39 703	73 652	894 215	2 536 251	994 127	3 580 395	1	2
		1997.. 41 154	1 023 634	30 585	50 847	647 331	2 152 698	797 235	2 983 574	X	X
3399	Other miscellaneous mfg	1999.. 428 916	12 242 379	302 556	602 759	6 754 696	31 501 701	26 482 705	57 867 544	1	1
		1998.. 436 927	11 835 140	310 541	601 232	6 615 501	31 073 492	25 269 272	55 867 483	1	1
		1997.. 433 874	11 610 060	307 242	589 118	6 469 342	30 839 364	24 107 851	54 835 958	X	X
33991	Jewelry & silverware mfg	1999.. 61 604	1 665 268	43 937	83 818	905 728	4 431 523	5 095 635	9 461 760	2	3
		1998.. 59 460	1 554 249	41 697	80 213	842 554	3 954 324	4 411 273	8 232 727	2	2
		1997.. 61 104	1 531 249	43 226	78 930	847 312	3 991 201	4 343 722	8 303 714	X	X
339911	Jewelry (except costume) mfg	1999.. 36 359	1 015 353	26 429	50 106	564 790	2 770 465	3 656 500	6 351 046	3	5
		1998.. 32 963	892 326	22 815	44 654	471 760	2 321 931	2 988 871	5 260 814	3	4
		1997.. 34 731	888 911	24 452	43 296	482 603	2 376 932	2 953 531	5 320 508	X	X
339912	Silverware & plated ware mfg	1999.. 6 112	187 930	4 228	8 400	102 092	535 208	400 701	936 122	1	2
		1998.. 6 357	205 640	4 460	8 913	115 487	575 720	381 096	918 815	2	1
		1997.. 6 378	183 237	4 504	8 895	107 912	529 984	380 482	892 378	X	X
339913	Jewelers' material & lapidary work mfg	1999.. 4 869	121 535	3 281	6 381	66 735	246 598	478 772	719 631	2	3
		1998.. 5 503	122 170	3 893	6 875	65 133	255 239	485 350	737 408	5	6
		1997.. 5 275	128 585	3 578	6 521	68 240	275 984	532 867	802 515	X	X
339914	Costume jewelry & novelty mfg	1999.. 14 263	340 451	10 000	18 931	172 111	879 252	559 662	1 454 961	3	3
		1998.. 14 636	334 112	10 529	19 771	190 175	801 433	555 956	1 315 691	4	5
		1997.. 14 720	330 516	10 692	20 218	188 557	808 301	476 842	1 288 313	X	X
33992	Sporting & athletic goods mfg	1999.. 63 757	1 782 460	46 149	88 981	974 983	5 641 771	5 008 161	10 643 558	3	2
		1998.. 67 914	1 787 377	50 075	93 073	979 540	6 036 607	5 206 434	11 100 535	2	2
		1997.. 68 586	1 826 631	49 893	94 756	1 004 057	5 866 075	4 755 192	10 633 528	X	X
339920	Sporting & athletic goods mfg	1999.. 63 757	1 782 460	46 149	88 981	974 983	5 641 771	5 008 161	10 643 558	3	2
		1998.. 67 914	1 787 377	50 075	93 073	979 540	6 036 607	5 206 434	11 100 535	2	2
		1997.. 68 586	1 826 631	49 893	94 756	1 004 057	5 866 075	4 755 192	10 633 528	X	X
33993	Doll, toy, & game mfg	1999.. 30 279	779 048	21 448	41 410	424 619	2 093 102	1 825 602	3 907 073	2	4
		1998.. 31 798	801 232	22 997	44 108	451 888	2 401 974	1 980 934	4 348 021	3	4
		1997.. 32 286	809 666	23 737	43 981	454 042	2 816 422	1 961 007	4 763 522	X	X
339931	Doll & stuffed toy mfg	1999.. 3 963	75 862	2 942	5 358	47 849	218 742	144 001	359 054	6	9
		1998.. 3 638	67 080	2 779	5 074	46 209	205 262	110 839	306 323	9	10
		1997.. 3 386	63 582	2 520	4 525	41 548	194 644	104 614	300 678	X	X
339932	Game, toy, & children's vehicle mfg	1999.. 26 317	703 186	18 506	36 052	376 770	1 874 360	1 681 601	3 548 018	3	4
		1998.. 28 160	734 152	20 219	39 034	405 678	2 196 712	1 870 095	4 041 698	3	5
		1997.. 28 900	746 084	21 217	39 456	412 494	2 621 778	1 856 393	4 462 844	X	X
33994	Office supplies (except paper) mfg	1999.. 28 309	798 685	20 048	39 909	469 489	2 565 363	1 771 723	4 363 327	2	2
		1998.. 29 592	812 939	20 569	41 429	472 047	2 616 060	1 824 530	4 405 622	1	2
		1997.. 30 138	799 867	21 060	41 968	470 040	2 590 428	1 767 034	4 329 053	X	X
339941	Pen & mechanical pencil mfg	1999.. 8 121	255 494	5 886	11 542	156 718	931 207	618 710	1 554 767	1	2
		1998.. 8 816	283 311	6 357	12 469	163 377	1 051 542	692 677	1 733 487	3	4
		1997.. 8 198	255 377	5 832	11 664	153 241	916 161	660 538	1 538 812	X	X
339942	Lead pencil & art good mfg	1999.. 6 864	182 384	5 364	10 862	111 786	751 607	531 710	1 307 312	4	3
		1998.. 7 313	201 377	5 496	11 823	123 019	746 547	524 571	1 251 060	1	1
		1997.. 8 255	207 661	6 329	12 755	125 819	810 183	454 383	1 278 701	X	X
339943	Marking device mfg	1999.. 8 245	220 135	5 226	10 131	113 348	512 299	255 054	762 668	5	11
		1998.. 8 068	193 419	4 889	9 516	104 098	429 656	238 214	664 288	2	2
		1997.. 8 012	194 792	4 795	9 564	102 191	423 895	240 414	661 173	X	X
339944	Carbon paper & inked ribbon mfg	1999.. 5 079	140 672	3 572	7 374	87 637	370 250	366 249	738 580	2	2
		1998.. 5 394	134 833	3 827	7 622	81 553	388 315	369 068	756 787	2	1
		1997.. 5 673	142 037	4 104	7 985	88 789	440 189	411 699	850 367	X	X
33995	Sign mfg	1999.. 90 268	2 704 017	57 224	120 526	1 339 553	5 388 101	3 959 826	9 292 110	2	2
		1998.. 84 165	2 427 903	55 414	109 731	1 246 286	4 715 518	3 473 010	8 165 539	1	2
		1997.. 83 813	2 412 225	54 475	104 509	1 217 571	4 637 205	3 375 219	7 997 974	X	X
339950	Sign mfg	1999.. 90 268	2 704 017	57 224	120 526	1 339 553	5 388 101	3 959 826	9 292 110	2	2
		1998.. 84 165	2 427 903	55 414	109 731	1 246 286	4 715 518	3 473 010	8 165 539	1	2
		1997.. 83 813	2 412 225	54 475	104 509	1 217 571	4 637 205	3 375 219	7 997 974	X	X

See footnotes at end of table.

Table 2. Statistics for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees		Production workers			Value added by manufacture (\$1,000)	Cost of materials (\$1,000)	Value of shipments ¹ (\$1,000)	Relative standard error of estimate ² (percent) for column—	
		Number	Payroll (\$1,000)	Number	Hours (1,000)	Wages (\$1,000)				A	F
		A	B	C	D	E				F	G
339	Miscellaneous mfg—Con.										
3399	Other miscellaneous mfg—Con.										
33999	All other miscellaneous mfg	1999.. 154 698	4 512 902	113 750	228 115	2 640 324	11 381 842	8 821 757	20 199 716	1	1
		1998.. 163 999	4 451 441	119 789	232 678	2 623 187	11 349 009	8 373 090	19 615 039	1	1
		1997.. 157 947	4 230 422	114 851	224 974	2 476 320	10 938 033	7 905 677	18 808 167	X	X
339991	Gasket, packing, & sealing device mfg	1999.. 41 971	1 362 239	31 085	64 051	829 759	3 335 284	2 334 477	5 676 330	2	3
		1998.. 42 607	1 330 897	30 495	61 844	797 676	3 197 564	2 175 933	5 419 356	2	3
		1997.. 41 980	1 290 903	30 034	62 458	762 912	3 132 922	2 105 772	5 243 005	X	X
339992	Musical instrument mfg	1999.. 13 945	396 065	11 296	21 673	264 176	848 093	576 715	1 422 420	3	3
		1998.. 13 587	403 839	11 061	22 492	269 175	846 695	498 811	1 321 516	2	6
		1997.. 13 249	357 842	10 810	21 900	243 531	836 529	483 633	1 324 529	X	X
339993	Fastener, button, needle, & pin mfg ..	1999.. 7 582	214 112	5 608	12 679	128 741	490 000	327 413	817 466	5	4
		1998.. 8 026	210 968	5 897	13 067	125 022	469 980	356 002	822 537	1	1
		1997.. 8 021	211 561	5 767	13 113	125 760	503 706	347 605	838 928	X	X
339994	Broom, brush, & mop mfg	1999.. 17 307	470 817	13 442	26 331	289 262	1 257 209	1 002 582	2 256 265	3	3
		1998.. 18 302	479 896	14 144	27 804	290 474	1 301 508	1 035 979	2 329 177	3	3
		1997.. 17 280	446 005	13 008	25 464	268 007	1 157 593	944 974	2 083 585	X	X
339995	Burial casket mfg	1999.. 7 062	209 486	5 277	10 557	139 395	886 376	358 177	1 252 532	5	3
		1998.. 7 379	212 670	5 600	10 717	147 341	855 370	365 521	1 220 629	1	1
		1997.. 6 792	206 890	5 050	10 258	141 037	857 988	358 002	1 219 943	X	X
339999	All other miscellaneous mfg	1999.. 66 830	1 860 182	47 041	92 823	988 991	4 564 879	4 222 394	8 774 702	2	3
		1998.. 74 097	1 813 170	52 593	96 754	993 499	4 677 892	3 940 845	8 501 824	1	1
		1997.. 70 625	1 717 221	50 182	91 781	935 073	4 449 295	3 665 691	8 098 177	X	X

¹Data represent value of shipments for most industries. For industries 311411, 311412, 311421, 311422, 311711, 311712, 311941, 311999, 312140, 312210, 312221, and 312229 value of production is shown. For industry 336611, value of work done is shown.

²Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: Previous years' data may differ from that published in the 1998 Annual Survey of Manufactures because of changes encountered in subsequent review or revisions discovered during 1999 Annual Survey of Manufactures review.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—	
			All employees	Total	Payroll		Total fringe benefits
31-33	Manufacturing	1999..	16 711 088	747 343 007	600 089 765	147 253 242	1
		1998..	16 944 977	734 978 115	586 957 735	148 020 381	1
		1997..	16 805 127	716 594 764	569 808 845	146 785 919	X
311	Food mfg	1999..	1 487 833	51 790 978	41 211 228	10 579 750	1
		1998..	1 498 667	50 226 620	39 659 857	10 566 763	1
		1997..	1 466 956	48 695 471	38 366 240	10 329 231	X
3111	Animal food mfg	1999..	48 617	2 013 127	1 605 191	407 936	2
		1998..	45 537	1 918 222	1 513 953	404 269	1
		1997..	46 651	1 877 408	1 478 617	398 791	X
31111	Animal food mfg	1999..	48 617	2 013 127	1 605 191	407 936	2
		1998..	45 537	1 918 222	1 513 953	404 269	1
		1997..	46 651	1 877 408	1 478 617	398 791	X
311111	Dog & cat food mfg	1999..	14 375	714 212	557 523	156 689	4
		1998..	14 088	683 757	528 068	155 689	1
		1997..	13 979	647 662	502 207	145 455	X
311119	Other animal food mfg	1999..	34 242	1 298 915	1 047 668	251 247	3
		1998..	31 449	1 234 465	985 885	248 580	1
		1997..	32 672	1 229 746	976 410	253 336	X
3112	Grain & oilseed milling	1999..	58 647	2 993 333	2 368 764	624 569	1
		1998..	56 957	2 940 921	2 307 268	633 653	1
		1997..	59 243	3 001 055	2 358 554	642 501	X
31121	Flour milling & malt mfg	1999..	17 340	731 481	587 078	144 403	3
		1998..	15 773	706 968	565 053	141 915	4
		1997..	17 877	778 583	618 434	160 149	X
311211	Flour milling	1999..	12 002	503 989	409 046	94 943	3
		1998..	10 892	485 549	392 853	92 696	6
		1997..	12 762	552 195	444 182	108 013	X
311212	Rice milling	1999..	4 389	173 240	136 637	36 602	7
		1998..	3 637	158 826	120 044	38 783	4
		1997..	3 805	156 542	118 318	38 224	X
311213	Malt mfg	1999..	949	54 252	41 395	12 857	2
		1998..	1 244	62 592	52 156	10 436	16
		1997..	1 310	69 846	55 934	13 912	X
31122	Starch & vegetable fats & oils mfg	1999..	26 526	1 317 654	1 030 513	287 141	3
		1998..	26 308	1 310 830	1 019 136	291 695	1
		1997..	26 970	1 316 466	1 022 051	294 415	X
311221	Wet corn milling	1999..	9 112	530 827	415 108	115 719	6
		1998..	9 324	526 183	414 259	111 924	1
		1997..	9 217	545 541	422 533	123 008	X
311222	Soybean processing	1999..	6 547	311 486	247 305	64 182	1
		1998..	6 388	300 961	238 814	62 146	1
		1997..	6 601	285 871	229 727	56 144	X
311223	Other oilseed processing	1999..	1 871	77 563	59 807	17 756	5
		1998..	2 642	92 211	72 330	19 881	1
		1997..	2 667	93 997	73 451	20 546	X
311225	Fats & oils refining & blending	1999..	8 996	397 778	308 294	89 484	4
		1998..	7 954	391 476	293 733	97 743	3
		1997..	8 485	391 057	296 340	94 717	X
31123	Breakfast cereal mfg	1999..	14 781	944 198	751 173	193 025	1
		1998..	14 876	923 123	723 079	200 044	1
		1997..	14 396	906 006	718 069	187 937	X
311230	Breakfast cereal mfg	1999..	14 781	944 198	751 173	193 025	1
		1998..	14 876	923 123	723 079	200 044	1
		1997..	14 396	906 006	718 069	187 937	X
3113	Sugar & confectionery product mfg	1999..	85 699	3 400 888	2 641 879	759 009	1
		1998..	83 886	3 371 586	2 623 450	748 136	1
		1997..	84 876	3 280 597	2 560 362	720 235	X
31131	Sugar mfg	1999..	16 748	810 733	641 668	169 065	1
		1998..	16 638	783 268	624 595	158 673	1
		1997..	16 547	769 838	611 488	158 350	X
311311	Sugarcane mills	1999..	5 095	206 576	163 002	43 574	3
		1998..	4 873	200 105	158 635	41 470	3
		1997..	4 938	212 165	167 589	44 576	X
311312	Cane sugar refining	1999..	4 159	280 280	220 169	60 111	1
		1998..	3 938	254 220	198 015	56 205	1
		1997..	3 891	246 696	191 663	55 033	X
311313	Beet sugar mfg	1999..	7 494	323 877	258 497	65 380	1
		1998..	7 828	328 943	267 945	60 998	2
		1997..	7 718	310 977	252 236	58 741	X
31132	Chocolate & confectionery mfg from cacao beans	1999..	9 240	418 649	327 090	91 559	2
		1998..	10 000	474 220	361 589	112 631	1
		1997..	9 946	501 341	383 045	118 296	X
311320	Chocolate & confectionery mfg from cacao beans	1999..	9 240	418 649	327 090	91 559	2
		1998..	10 000	474 220	361 589	112 631	1
		1997..	9 946	501 341	383 045	118 296	X
31133	Confectionery mfg from purchased chocolate	1999..	34 099	1 155 659	895 616	260 042	1
		1998..	29 859	1 120 594	865 521	255 073	1
		1997..	32 871	1 104 737	856 440	248 297	X
311330	Confectionery mfg from purchased chocolate	1999..	34 099	1 155 659	895 616	260 042	1
		1998..	29 859	1 120 594	865 521	255 073	1
		1997..	32 871	1 104 737	856 440	248 297	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
311	Food mfg—Con.					
3113	Sugar & confectionery product mfg—Con.					
31134	Nonchocolate confectionery mfg	1999.. 25 613	1 015 847	777 505	238 343	2
		1998.. 27 389	993 503	771 744	221 759	1
		1997.. 25 512	904 681	709 389	195 292	X
311340	Nonchocolate confectionery mfg	1999.. 25 613	1 015 847	777 505	238 343	2
		1998.. 27 389	993 503	771 744	221 759	1
		1997.. 25 512	904 681	709 389	195 292	X
3114	Fruit & vegetable preserving & specialty food mfg ..	1999.. 180 364	6 481 934	5 034 705	1 447 229	1
		1998.. 189 160	6 409 710	4 943 653	1 466 057	1
		1997.. 191 576	6 367 864	4 884 327	1 483 537	X
31141	Frozen food mfg	1999.. 92 765	3 021 417	2 359 978	661 438	1
		1998.. 96 753	2 953 827	2 286 935	666 892	1
		1997.. 94 192	2 840 649	2 192 511	648 138	X
311411	Frozen fruit, juice, & vegetable mfg	1999.. 44 521	1 412 690	1 079 764	332 927	1
		1998.. 49 461	1 432 551	1 101 281	331 269	1
		1997.. 46 295	1 375 045	1 047 390	327 655	X
311412	Frozen specialty food mfg	1999.. 48 244	1 608 726	1 280 215	328 512	1
		1998.. 47 291	1 521 277	1 185 654	335 622	1
		1997.. 47 897	1 465 604	1 145 121	320 483	X
31142	Fruit & vegetable canning, pickling, & drying	1999.. 87 598	3 460 517	2 674 727	785 790	2
		1998.. 92 407	3 455 883	2 656 718	799 165	1
		1997.. 97 384	3 527 215	2 691 816	835 399	X
311421	Fruit & vegetable canning	1999.. 58 830	2 301 350	1 787 650	513 700	3
		1998.. 63 526	2 308 157	1 758 331	549 826	1
		1997.. 63 612	2 281 518	1 709 578	571 940	X
311422	Specialty canning	1999.. 15 816	665 839	512 213	153 626	2
		1998.. 16 156	681 962	536 661	145 300	1
		1997.. 19 157	760 572	602 615	157 957	X
311423	Dried & dehydrated food mfg	1999.. 12 953	493 328	374 863	118 464	2
		1998.. 12 725	465 764	361 725	104 039	2
		1997.. 14 615	485 125	379 623	105 502	X
3115	Dairy product mfg	1999.. 130 828	5 488 145	4 302 842	1 185 303	1
		1998.. 132 765	5 439 417	4 202 894	1 236 523	1
		1997.. 131 868	5 345 489	4 139 799	1 205 690	X
31151	Dairy product (except frozen) mfg	1999.. 110 638	4 712 379	3 679 505	1 032 873	1
		1998.. 112 642	4 658 631	3 574 639	1 083 992	1
		1997.. 112 082	4 588 764	3 533 105	1 055 659	X
311511	Fluid milk mfg.....	1999.. 56 809	2 479 208	1 938 366	540 842	2
		1998.. 57 413	2 481 733	1 907 404	574 329	1
		1997.. 57 638	2 467 787	1 897 820	569 967	X
311512	Creamery butter mfg	1999.. 1 605	67 516	53 096	14 419	2
		1998.. 1 738	69 310	57 012	12 298	10
		1997.. 1 827	71 563	56 524	15 039	X
311513	Cheese mfg	1999.. 35 452	1 357 135	1 080 848	276 287	2
		1998.. 36 566	1 306 215	1 001 062	305 153	1
		1997.. 36 543	1 298 840	1 005 266	293 574	X
311514	Dry, condensed, & evaporated dairy product mfg	1999.. 16 772	808 520	607 195	201 325	3
		1998.. 16 925	801 373	609 160	192 213	2
		1997.. 16 074	750 574	573 495	177 079	X
31152	Ice cream & frozen dessert mfg	1999.. 20 190	775 766	623 337	152 429	2
		1998.. 20 123	780 786	628 255	152 531	2
		1997.. 19 786	756 725	606 694	150 031	X
311520	Ice cream & frozen dessert mfg	1999.. 20 190	775 766	623 337	152 429	2
		1998.. 20 123	780 786	628 255	152 531	2
		1997.. 19 786	756 725	606 694	150 031	X
3116	Meat product mfg	1999.. 477 341	13 713 832	11 164 344	2 549 488	1
		1998.. 468 008	12 934 171	10 458 451	2 475 720	1
		1997.. 464 991	12 318 680	9 917 710	2 400 970	X
31161	Animal slaughtering & processing	1999.. 477 341	13 713 832	11 164 344	2 549 488	1
		1998.. 468 008	12 934 171	10 458 451	2 475 720	1
		1997.. 464 991	12 318 680	9 917 710	2 400 970	X
311611	Animal (except poultry) slaughtering	1999.. 142 638	4 372 657	3 619 382	753 275	1
		1998.. 139 986	4 110 839	3 391 640	719 199	1
		1997.. 141 882	3 954 930	3 245 551	709 379	X
311612	Meat processed from carcasses	1999.. 98 517	3 484 459	2 785 669	698 790	1
		1998.. 94 420	3 252 833	2 569 379	683 454	1
		1997.. 90 002	2 964 539	2 347 336	617 203	X
311613	Rendering & meat byproduct processing	1999.. 9 025	366 805	292 497	74 308	3
		1998.. 8 704	351 837	273 286	78 552	4
		1997.. 8 798	341 048	268 952	72 096	X
311615	Poultry processing	1999.. 227 161	5 489 910	4 466 796	1 023 114	1
		1998.. 224 898	5 218 661	4 224 147	994 515	1
		1997.. 224 309	5 058 163	4 055 871	1 002 292	X
3117	Seafood product preparation & packaging	1999.. 41 426	1 108 954	938 300	170 654	4
		1998.. 42 200	1 061 299	894 997	166 302	3
		1997.. 40 763	1 056 766	886 350	170 416	X
31171	Seafood product preparation & packaging	1999.. 41 426	1 108 954	938 300	170 654	4
		1998.. 42 200	1 061 299	894 997	166 302	3
		1997.. 40 763	1 056 766	886 350	170 416	X
311711	Seafood canning	1999.. 5 412	172 465	141 284	31 181	6
		1998.. 5 553	147 470	122 176	25 294	4
		1997.. 5 371	149 279	121 870	27 409	X
311712	Fresh & frozen seafood processing	1999.. 36 014	936 489	797 017	139 473	4
		1998.. 36 647	913 829	772 820	141 008	3
		1997.. 35 392	907 487	764 480	143 007	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
311	Food mfg—Con.					
3118	Bakeries & tortilla mfg	1999.. 314 913	10 930 481	8 605 632	2 324 849	2
		1998.. 328 984	10 549 997	8 275 620	2 274 376	1
		1997.. 298 300	10 015 119	7 802 377	2 212 742	X
31181	Bread & bakery product mfg	1999.. 240 237	8 077 058	6 383 987	1 693 071	2
		1998.. 254 741	7 741 171	6 101 771	1 639 400	1
		1997.. 222 596	7 132 485	5 582 806	1 549 679	X
311811	Retail bakeries	1999.. 52 784	896 086	703 187	192 898	3
		1998.. 74 653	1 195 434	935 848	259 586	2
		1997.. 43 603	734 805	568 243	166 562	X
311812	Commercial bakeries	1999.. 172 406	6 673 912	5 276 060	1 397 851	2
		1998.. 164 686	6 028 644	4 758 119	1 270 525	1
		1997.. 164 033	5 898 705	4 624 748	1 273 957	X
311813	Frozen cakes, pies, & other pastries mfg	1999.. 15 047	507 060	404 739	102 321	3
		1998.. 15 402	517 094	407 805	109 289	2
		1997.. 14 960	498 975	389 815	109 160	X
31182	Cookie, cracker, & pasta mfg	1999.. 62 248	2 541 206	1 962 653	578 553	2
		1998.. 62 847	2 528 797	1 946 756	582 041	1
		1997.. 64 401	2 613 614	2 002 867	610 747	X
311821	Cookie & cracker mfg	1999.. 40 106	1 729 425	1 321 344	408 081	2
		1998.. 42 189	1 726 111	1 312 905	413 206	1
		1997.. 42 804	1 769 869	1 343 993	425 876	X
311822	Flour mixes & dough mfg from purchased flour	1999.. 17 435	665 847	527 704	138 143	2
		1998.. 15 232	613 484	485 517	127 968	1
		1997.. 15 534	620 788	484 414	136 374	X
311823	Dry pasta mfg	1999.. 4 708	145 933	113 604	32 330	18
		1998.. 5 426	189 202	148 334	40 868	1
		1997.. 6 063	222 957	174 460	48 497	X
31183	Tortilla mfg	1999.. 12 428	312 217	258 992	53 225	3
		1998.. 11 395	280 029	227 093	52 935	1
		1997.. 11 303	269 020	216 704	52 316	X
311830	Tortilla mfg	1999.. 12 428	312 217	258 992	53 225	3
		1998.. 11 395	280 029	227 093	52 935	1
		1997.. 11 303	269 020	216 704	52 316	X
3119	Other food mfg	1999.. 149 998	5 660 285	4 549 571	1 110 714	1
		1998.. 151 170	5 601 297	4 439 571	1 161 726	1
		1997.. 148 688	5 432 493	4 338 144	1 094 349	X
31191	Snack food mfg	1999.. 45 378	1 739 670	1 362 655	377 015	2
		1998.. 47 443	1 822 298	1 417 428	404 871	1
		1997.. 46 609	1 730 241	1 368 683	361 558	X
311911	Roasted nuts & peanut butter mfg	1999.. 11 153	380 161	297 804	82 357	3
		1998.. 10 672	382 655	294 854	87 801	3
		1997.. 10 128	345 620	265 104	80 516	X
311919	Other snack food mfg	1999.. 34 225	1 359 509	1 064 851	294 658	3
		1998.. 36 771	1 439 644	1 122 574	317 070	1
		1997.. 36 481	1 384 621	1 103 579	281 042	X
31192	Coffee & tea mfg	1999.. 11 711	548 364	435 641	112 723	5
		1998.. 12 820	545 823	422 323	123 500	1
		1997.. 12 895	577 133	445 357	131 776	X
311920	Coffee & tea mfg	1999.. 11 711	548 364	435 641	112 723	5
		1998.. 12 820	545 823	422 323	123 500	1
		1997.. 12 895	577 133	445 357	131 776	X
31193	Flavoring syrup & concentrate mfg	1999.. 5 592	286 873	234 270	52 603	4
		1998.. 5 699	265 510	211 165	54 345	1
		1997.. 6 243	279 026	225 770	53 256	X
311930	Flavoring syrup & concentrate mfg	1999.. 5 592	286 873	234 270	52 603	4
		1998.. 5 699	265 510	211 165	54 345	1
		1997.. 6 243	279 026	225 770	53 256	X
31194	Seasoning & dressing mfg	1999.. 28 204	1 280 656	1 043 595	237 061	2
		1998.. 26 290	1 160 720	924 698	236 022	3
		1997.. 26 055	1 111 151	897 346	213 805	X
311941	Mayonnaise, dressing, & other prepared sauce mfg	1999.. 14 819	612 201	492 207	119 995	4
		1998.. 14 307	572 773	446 688	126 085	2
		1997.. 13 927	556 235	443 903	112 332	X
311942	Spice & extract mfg	1999.. 13 386	668 455	551 389	117 066	3
		1998.. 11 983	587 946	478 010	109 937	6
		1997.. 12 128	554 916	453 443	101 473	X
31199	All other food mfg	1999.. 59 113	1 804 722	1 473 411	331 311	2
		1998.. 58 918	1 806 946	1 463 958	342 988	1
		1997.. 56 886	1 734 942	1 400 988	333 954	X
311991	Perishable prepared food mfg	1999.. 20 401	556 830	462 871	93 959	2
		1998.. 21 198	581 594	487 465	94 129	3
		1997.. 20 732	558 858	461 355	97 503	X
311999	All other miscellaneous food mfg	1999.. 38 712	1 247 892	1 010 540	237 353	3
		1998.. 37 720	1 225 352	976 492	248 860	1
		1997.. 36 154	1 176 084	939 633	236 451	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
			All employees	Total	Payroll	Total fringe benefits	
312	Beverage & tobacco product mfg	1999..	167 054	8 634 042	6 677 155	1 956 887	1
		1998..	175 214	8 863 791	6 810 605	2 053 186	1
		1997..	175 711	8 799 206	6 735 295	2 063 911	X
3121	Beverage mfg	1999..	138 706	6 667 967	5 232 536	1 435 431	1
		1998..	141 394	6 743 799	5 280 571	1 463 228	1
		1997..	142 117	6 602 133	5 139 203	1 462 930	X
31211	Soft drink & ice mfg	1999..	81 806	3 390 415	2 677 247	713 168	2
		1998..	82 891	3 422 673	2 691 104	731 569	1
		1997..	83 256	3 330 794	2 627 979	702 815	X
312111	Soft drink mfg	1999..	70 730	3 041 198	2 386 833	654 365	2
		1998..	73 212	3 094 710	2 426 218	668 492	1
		1997..	73 343	3 021 673	2 377 922	643 751	X
312112	Bottled water mfg	1999..	5 896	197 508	161 758	35 750	9
		1998..	4 719	182 530	144 103	38 427	4
		1997..	4 661	168 324	132 426	35 898	X
312113	Ice mfg	1999..	5 180	151 709	128 656	23 053	6
		1998..	4 960	145 432	120 783	24 649	4
		1997..	5 252	140 797	117 631	23 166	X
31212	Breweries	1999..	30 152	2 039 443	1 571 116	468 327	1
		1998..	31 813	2 086 043	1 613 933	472 110	1
		1997..	34 251	2 091 257	1 598 573	492 684	X
312120	Breweries	1999..	30 152	2 039 443	1 571 116	468 327	1
		1998..	31 813	2 086 043	1 613 933	472 110	1
		1997..	34 251	2 091 257	1 598 573	492 684	X
31213	Wineries	1999..	21 020	948 046	755 640	192 406	2
		1998..	20 330	924 154	730 353	193 801	1
		1997..	18 193	860 792	668 051	192 741	X
312130	Wineries	1999..	21 020	948 046	755 640	192 406	2
		1998..	20 330	924 154	730 353	193 801	1
		1997..	18 193	860 792	668 051	192 741	X
31214	Distilleries	1999..	5 729	290 063	228 533	61 530	9
		1998..	6 360	310 929	245 180	65 749	7
		1997..	6 417	319 290	244 600	74 690	X
312140	Distilleries	1999..	5 729	290 063	228 533	61 530	9
		1998..	6 360	310 929	245 180	65 749	7
		1997..	6 417	319 290	244 600	74 690	X
3122	Tobacco mfg	1999..	28 348	1 966 075	1 444 619	521 456	1
		1998..	33 820	2 119 992	1 530 035	589 958	1
		1997..	33 594	2 197 073	1 596 092	600 981	X
31221	Tobacco stemming & redrying	1999..	4 131	147 971	116 186	31 785	1
		1998..	5 553	165 459	132 121	33 338	1
		1997..	4 955	144 432	112 571	31 861	X
312210	Tobacco stemming & redrying	1999..	4 131	147 971	116 186	31 785	1
		1998..	5 553	165 459	132 121	33 338	1
		1997..	4 955	144 432	112 571	31 861	X
31222	Tobacco product mfg	1999..	24 217	1 818 104	1 328 433	489 671	1
		1998..	28 267	1 954 533	1 397 914	556 620	1
		1997..	28 639	2 052 641	1 483 521	569 120	X
312221	Cigarette mfg	1999..	18 176	1 552 606	1 131 992	420 614	1
		1998..	20 541	1 631 415	1 158 539	472 876	1
		1997..	21 302	1 738 062	1 246 557	491 505	X
312229	Other tobacco product mfg	1999..	6 041	265 498	196 441	69 057	7
		1998..	7 726	323 118	239 375	83 744	1
		1997..	7 337	314 579	236 964	77 615	X
313	Textile mills	1999..	356 750	11 654 836	9 466 248	2 188 588	1
		1998..	377 391	12 085 339	9 860 628	2 224 711	1
		1997..	391 899	12 328 590	10 058 482	2 270 108	X
3131	Fiber, yarn, & thread mills	1999..	78 245	2 357 812	1 888 305	469 506	1
		1998..	80 024	2 328 176	1 884 183	443 993	1
		1997..	82 291	2 326 045	1 891 178	434 867	X
31311	Fiber, yarn, & thread mills	1999..	78 245	2 357 812	1 888 305	469 506	1
		1998..	80 024	2 328 176	1 884 183	443 993	1
		1997..	82 291	2 326 045	1 891 178	434 867	X
313111	Yarn spinning mills	1999..	54 761	1 609 107	1 296 685	312 421	1
		1998..	57 241	1 636 776	1 323 381	313 394	1
		1997..	58 440	1 643 443	1 334 129	309 314	X
313112	Yarn texturing, throwing, & twisting mills	1999..	20 230	664 118	524 536	139 582	3
		1998..	18 832	580 625	474 064	106 562	3
		1997..	20 256	580 786	478 414	102 372	X
313113	Thread mills	1999..	3 254	84 587	67 084	17 503	3
		1998..	3 951	110 775	86 738	24 037	1
		1997..	3 595	101 816	78 635	23 181	X
3132	Fabric mills	1999..	195 921	6 405 601	5 210 449	1 195 152	1
		1998..	210 996	6 802 453	5 578 294	1 224 159	1
		1997..	217 354	6 862 096	5 613 779	1 248 317	X
31321	Broadwoven fabric mills	1999..	120 232	3 841 308	3 125 237	716 070	1
		1998..	129 506	4 163 137	3 422 465	740 672	1
		1997..	132 797	4 181 028	3 434 157	746 871	X
313210	Broadwoven fabric mills	1999..	120 232	3 841 308	3 125 237	716 070	1
		1998..	129 506	4 163 137	3 422 465	740 672	1
		1997..	132 797	4 181 028	3 434 157	746 871	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
313	Textile mills—Con.					
3132	Fabric mills—Con.					
31322	Narrow fabric mills & schiffli machine embroidery	19 039	545 713	444 258	101 455	3
	1998..	20 221	554 062	454 677	99 385	4
	1997..	20 215	538 082	445 118	92 964	X
313221	Narrow fabric mills	16 365	476 212	386 733	89 479	4
	1998..	16 454	462 544	377 725	84 819	3
	1997..	16 366	448 475	368 459	80 016	X
313222	Schiffli machine embroidery	2 673	69 501	57 525	11 976	7
	1998..	3 767	91 518	76 953	14 566	13
	1997..	3 849	89 607	76 659	12 948	X
31323	Nonwoven fabric mills	21 234	946 302	750 791	195 511	2
	1998..	20 807	901 445	720 817	180 628	2
	1997..	21 162	884 633	693 101	191 532	X
313230	Nonwoven fabric mills	21 234	946 302	750 791	195 511	2
	1998..	20 807	901 445	720 817	180 628	2
	1997..	21 162	884 633	693 101	191 532	X
31324	Knit fabric mills	35 416	1 072 277	890 162	182 116	2
	1998..	40 463	1 183 810	980 334	203 475	1
	1997..	43 180	1 258 353	1 041 403	216 950	X
313241	Weft knit fabric mills	18 973	566 549	468 103	98 446	2
	1998..	23 397	671 725	553 702	118 023	1
	1997..	24 535	693 372	570 908	122 464	X
313249	Other knit fabric & lace mills	16 443	505 728	422 059	83 669	3
	1998..	17 067	512 085	426 632	85 453	1
	1997..	18 645	564 981	470 495	94 486	X
3133	Textile & fabric finishing & fabric coating mills	82 584	2 891 423	2 367 494	523 930	2
	1998..	86 371	2 954 710	2 398 151	556 559	3
	1997..	92 254	3 140 449	2 553 525	586 924	X
31331	Textile & fabric finishing mills	72 319	2 423 820	1 997 272	426 548	2
	1998..	74 981	2 428 142	2 001 368	426 774	4
	1997..	80 722	2 631 057	2 167 370	463 687	X
313311	Broadwoven fabric finishing mills	47 208	1 604 221	1 329 377	274 844	3
	1998..	47 159	1 567 736	1 292 788	274 948	6
	1997..	51 447	1 727 973	1 424 212	303 761	X
313312	Textile & fabric finishing mills	25 111	819 599	667 895	151 704	2
	1998..	27 822	860 406	708 579	151 826	3
	1997..	29 275	903 084	743 158	159 926	X
31332	Fabric coating mills	10 265	467 603	370 221	97 382	5
	1998..	11 390	526 568	396 784	129 785	3
	1997..	11 532	509 392	386 155	123 237	X
313320	Fabric coating mills	10 265	467 603	370 221	97 382	5
	1998..	11 390	526 568	396 784	129 785	3
	1997..	11 532	509 392	386 155	123 237	X
314	Textile product mills	240 373	6 543 500	5 439 797	1 103 702	1
	1998..	229 848	6 144 956	5 067 384	1 077 571	2
	1997..	235 441	6 150 313	5 088 653	1 061 660	X
3141	Textile furnishings mills	124 476	3 474 152	2 886 710	587 441	1
	1998..	125 469	3 376 058	2 787 576	588 482	1
	1997..	126 041	3 320 871	2 750 812	570 059	X
31411	Carpet & rug mills	50 840	1 608 838	1 339 039	269 799	1
	1998..	52 638	1 650 518	1 355 061	295 458	1
	1997..	51 624	1 587 892	1 320 268	267 624	X
314110	Carpet & rug mills	50 840	1 608 838	1 339 039	269 799	1
	1998..	52 638	1 650 518	1 355 061	295 458	1
	1997..	51 624	1 587 892	1 320 268	267 624	X
31412	Curtain & linen mills	73 637	1 865 313	1 547 671	317 642	2
	1998..	72 830	1 725 539	1 432 515	293 024	2
	1997..	74 417	1 732 979	1 430 544	302 435	X
314121	Curtain & drapery mills	24 875	600 306	495 152	105 154	3
	1998..	26 892	601 188	495 886	105 302	3
	1997..	25 384	549 365	450 504	98 861	X
314129	Other household textile product mills	48 761	1 265 007	1 052 519	212 488	2
	1998..	45 938	1 124 351	936 629	187 722	2
	1997..	49 033	1 183 614	980 040	203 574	X
3149	Other textile product mills	115 897	3 069 348	2 553 087	516 261	2
	1998..	104 379	2 768 898	2 279 809	489 089	4
	1997..	109 400	2 829 442	2 337 841	491 601	X
31491	Textile bag & canvas mills	30 414	790 937	672 914	118 023	3
	1998..	32 567	806 723	683 084	123 639	1
	1997..	32 781	793 531	667 725	125 806	X
314911	Textile bag mills	11 828	271 493	232 105	39 388	5
	1998..	13 909	302 330	255 189	47 141	2
	1997..	14 089	301 483	253 570	47 913	X
314912	Canvas & related product mills	18 586	519 444	440 809	78 635	4
	1998..	18 658	504 393	427 895	76 498	2
	1997..	18 692	492 048	414 155	77 893	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
314	Textile product mills—Con.					
3149	Other textile product mills—Con.					
31499	All other textile product mills	1999.. 85 483	2 278 411	1 880 173	398 238	2
		1998.. 71 813	1 962 175	1 596 725	365 450	5
		1997.. 76 619	2 035 911	1 670 116	365 795	X
314991	Rope, cordage, & twine mills	1999.. 6 624	198 740	165 534	33 206	4
		1998.. 6 310	200 149	162 137	38 012	11
		1997.. 6 417	193 861	159 268	34 593	X
314992	Tire cord & tire fabric mills	1999.. 5 524	233 935	171 900	62 035	1
		1998.. 4 983	203 863	147 712	56 150	1
		1997.. 5 192	209 781	155 683	54 098	X
314999	All other miscellaneous textile product mills	1999.. 73 336	1 845 736	1 542 738	302 998	3
		1998.. 60 520	1 558 164	1 286 876	271 288	7
		1997.. 65 010	1 632 269	1 355 165	277 104	X
315	Apparel mfg	1999.. 575 941	13 168 772	11 022 136	2 146 636	1
		1998.. 649 010	14 293 508	11 922 888	2 370 620	1
		1997.. 710 796	15 140 092	12 582 352	2 557 740	X
3151	Apparel knitting mills	1999.. 82 236	2 014 593	1 678 756	335 836	2
		1998.. 89 186	2 149 929	1 786 811	363 119	1
		1997.. 99 901	2 343 895	1 933 113	410 782	X
31511	Hosiery & sock mills	1999.. 48 088	1 148 687	960 377	188 310	2
		1998.. 49 486	1 162 726	976 807	185 919	1
		1997.. 52 806	1 185 796	982 923	202 873	X
315111	Sheer hosiery mills	1999.. 14 676	353 181	291 713	61 467	5
		1998.. 15 342	374 288	311 703	62 584	1
		1997.. 17 798	426 814	349 890	76 924	X
315119	Other hosiery & sock mills	1999.. 33 412	795 507	668 664	126 842	2
		1998.. 34 144	788 438	665 104	123 334	2
		1997.. 35 008	758 982	633 033	125 949	X
31519	Other apparel knitting mills	1999.. 34 148	865 905	718 379	147 527	3
		1998.. 39 700	987 204	810 003	177 200	1
		1997.. 47 095	1 158 099	950 190	207 909	X
315191	Outerwear knitting mills	1999.. 28 792	715 511	599 955	115 555	3
		1998.. 33 371	833 386	689 038	144 349	1
		1997.. 40 154	996 765	819 788	176 977	X
315192	Underwear & nightwear knitting mills	1999.. 5 356	150 395	118 423	31 971	3
		1998.. 6 329	153 817	120 966	32 852	2
		1997.. 6 941	161 334	130 402	30 932	X
3152	Cut & sew apparel mfg	1999.. 440 697	9 886 654	8 275 104	1 611 549	2
		1998.. 506 413	10 902 309	9 090 275	1 812 034	1
		1997.. 558 328	11 582 165	9 625 941	1 956 224	X
31521	Cut & sew apparel contractors	1999.. 117 201	1 857 895	1 584 546	273 349	7
		1998.. 162 184	2 598 366	2 216 051	382 315	2
		1997.. 197 863	3 017 649	2 572 447	445 202	X
315211	Men's & boys' cut & sew apparel contractors ..	1999.. 35 292	634 629	522 819	111 810	6
		1998.. 42 371	778 337	641 769	136 568	3
		1997.. 50 444	840 521	693 666	146 855	X
315212	Women's, girls', & infants' cut & sew apparel contractors	1999.. 81 909	1 223 266	1 061 727	161 539	11
		1998.. 119 813	1 820 029	1 574 283	245 747	2
		1997.. 147 419	2 177 128	1 878 781	298 347	X
31522	Men's & boys' cut & sew apparel mfg	1999.. 147 302	3 469 260	2 806 626	662 634	2
		1998.. 164 738	3 703 977	2 964 379	739 598	1
		1997.. 177 527	3 884 840	3 098 512	786 328	X
315221	Men's & boys' cut & sew underwear & nightwear mfg	1999.. 7 541	194 909	156 033	38 876	4
		1998.. 7 037	148 570	117 742	30 827	1
		1997.. 9 759	208 033	162 485	45 548	X
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1999.. 19 624	531 848	415 344	116 505	7
		1998.. 21 200	556 178	438 054	118 124	1
		1997.. 21 948	581 020	460 838	120 182	X
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	1999.. 38 253	931 288	767 088	164 200	3
		1998.. 44 314	1 009 676	828 628	181 047	1
		1997.. 52 648	1 152 081	938 927	213 154	X
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	1999.. 42 077	1 007 280	801 399	205 881	5
		1998.. 46 456	1 103 624	853 348	250 277	1
		1997.. 45 219	1 014 473	775 607	238 866	X
315225	Men's & boys' cut & sew work clothing mfg	1999.. 20 563	399 393	329 605	69 788	4
		1998.. 22 429	412 285	333 682	78 604	2
		1997.. 23 306	431 228	346 801	84 427	X
315228	Men's & boys' cut & sew other outerwear mfg ..	1999.. 19 244	404 541	337 157	67 384	5
		1998.. 23 302	473 644	392 925	80 719	1
		1997.. 24 647	498 005	413 854	84 151	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
315	Apparel mfg—Con.					
3152	Cut & sew apparel mfg—Con.					
31523	Women's & girls' cut & sew apparel mfg	1999.. 153 667	4 040 048	3 446 979	593 068	3
		1998.. 155 940	4 076 593	3 469 291	607 302	1
		1997.. 157 739	4 127 309	3 490 513	636 796	X
315231	Women's & girls' cut/sew lingerie & nightwear mfg	1999.. 20 407	467 878	386 253	81 626	5
		1998.. 23 107	511 766	422 011	89 755	4
		1997.. 26 081	550 051	451 917	98 134	X
315232	Women's & girls' cut & sew blouse & shirt mfg	1999.. 31 293	856 288	744 871	111 417	7
		1998.. 29 170	814 145	708 420	105 725	1
		1997.. 26 201	637 809	554 072	83 737	X
315233	Women's & girls' cut & sew dress mfg	1999.. 28 786	864 937	759 198	105 739	5
		1998.. 29 158	868 772	762 834	105 938	1
		1997.. 28 280	811 273	711 042	100 231	X
315234	Women's & girls' cut & sew suit, coat, skirt mfg	1999.. 12 857	427 044	355 721	71 323	9
		1998.. 18 087	567 219	476 755	90 465	3
		1997.. 20 324	630 802	528 734	102 068	X
315239	Women's & girls' cut & sew other outerwear mfg	1999.. 60 324	1 423 900	1 200 937	222 963	4
		1998.. 56 419	1 314 691	1 099 272	215 419	1
		1997.. 56 853	1 497 374	1 244 748	252 626	X
31529	Other cut & sew apparel mfg	1999.. 22 527	519 451	436 954	82 497	3
		1998.. 23 551	523 373	440 554	82 819	1
		1997.. 25 199	552 367	464 469	87 898	X
315291	Infants' cut & sew apparel mfg	1999.. 6 571	146 269	116 655	29 614	6
		1998.. 8 903	197 379	162 152	35 227	1
		1997.. 9 457	190 724	152 721	38 003	X
315292	Fur & leather apparel mfg	1999.. 2 847	67 496	59 029	8 468	17
		1998.. 1 710	46 682	41 380	5 302	8
		1997.. 2 132	51 940	45 928	6 012	X
315299	All other cut & sew apparel mfg	1999.. 13 108	305 686	261 270	44 416	3
		1998.. 12 937	279 312	237 022	42 290	2
		1997.. 13 610	309 703	265 820	43 883	X
3159	Apparel accessories & other apparel mfg	1999.. 53 009	1 267 526	1 068 275	199 251	2
		1998.. 53 411	1 241 270	1 045 802	195 468	1
		1997.. 52 567	1 214 032	1 023 298	190 734	X
31599	Apparel accessories & other apparel mfg	1999.. 53 009	1 267 526	1 068 275	199 251	2
		1998.. 53 411	1 241 270	1 045 802	195 468	1
		1997.. 52 567	1 214 032	1 023 298	190 734	X
315991	Hat, cap, & millinery mfg	1999.. 16 705	375 036	318 283	56 753	7
		1998.. 16 827	362 225	304 897	57 328	2
		1997.. 17 237	361 054	303 495	57 559	X
315992	Glove & mitten mfg	1999.. 5 791	142 583	117 002	25 580	5
		1998.. 6 223	138 769	116 348	22 421	2
		1997.. 6 412	143 503	119 679	23 824	X
315993	Men's & boys' neckwear mfg	1999.. 4 478	125 993	110 794	15 199	8
		1998.. 4 985	142 252	123 696	18 557	6
		1997.. 4 936	134 197	117 274	16 923	X
315999	Other apparel accessories & other apparel mfg	1999.. 26 034	623 914	522 195	101 719	2
		1998.. 25 375	598 023	500 861	97 162	1
		1997.. 23 982	575 278	482 850	92 428	X
316	Leather & allied product mfg	1999.. 73 962	2 138 268	1 759 657	378 611	2
		1998.. 80 933	2 220 478	1 823 228	397 250	1
		1997.. 85 115	2 237 088	1 832 341	404 747	X
3161	Leather & hide tanning & finishing	1999.. 15 188	562 953	453 820	109 133	3
		1998.. 15 366	535 193	430 148	105 044	1
		1997.. 14 898	508 024	408 772	99 252	X
31611	Leather & hide tanning & finishing	1999.. 15 188	562 953	453 820	109 133	3
		1998.. 15 366	535 193	430 148	105 044	1
		1997.. 14 898	508 024	408 772	99 252	X
316110	Leather & hide tanning & finishing	1999.. 15 188	562 953	453 820	109 133	3
		1998.. 15 366	535 193	430 148	105 044	1
		1997.. 14 898	508 024	408 772	99 252	X
3162	Footwear mfg	1999.. 34 310	928 758	756 904	171 855	3
		1998.. 37 563	964 404	783 263	181 141	2
		1997.. 41 744	1 021 710	827 526	194 184	X
31621	Footwear mfg	1999.. 34 310	928 758	756 904	171 855	3
		1998.. 37 563	964 404	783 263	181 141	2
		1997.. 41 744	1 021 710	827 526	194 184	X
316211	Rubber & plastics footwear mfg	1999.. 6 983	198 535	156 726	41 809	4
		1998.. 8 198	240 441	192 220	48 221	4
		1997.. 8 292	211 982	168 185	43 797	X
316212	House slipper mfg	1999.. 1 916	52 901	44 121	8 780	1
		1998.. 2 246	57 735	46 786	10 949	2
		1997.. 2 501	62 808	51 471	11 337	X
316213	Men's footwear (except athletic) mfg	1999.. 15 040	422 926	338 546	84 380	4
		1998.. 14 971	391 625	314 264	77 361	5
		1997.. 17 182	455 508	367 831	87 677	X
316214	Women's footwear (except athletic) mfg	1999.. 7 442	184 441	160 214	24 227	5
		1998.. 9 370	210 716	179 913	30 803	2
		1997.. 10 442	218 868	183 020	35 848	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
316	Leather & allied product mfg—Con.					
3162	Footwear mfg—Con.					
31621	Footwear mfg—Con.					
316219	Other footwear mfg	1999.. 2 929	69 956	57 297	12 660	5
		1998.. 2 778	63 886	50 080	13 806	4
		1997.. 3 327	72 544	57 019	15 525	X
3169	Other leather & allied product mfg	1999.. 24 464	646 557	548 933	97 624	3
		1998.. 28 004	720 881	609 817	111 064	1
		1997.. 28 473	707 354	596 043	111 311	X
31699	Other leather & allied product mfg	1999.. 24 464	646 557	548 933	97 624	3
		1998.. 28 004	720 881	609 817	111 064	1
		1997.. 28 473	707 354	596 043	111 311	X
316991	Luggage mfg	1999.. 9 190	256 818	214 526	42 292	4
		1998.. 9 275	256 964	213 438	43 526	2
		1997.. 9 550	264 967	219 951	45 016	X
316992	Women's handbag & purse mfg	1999.. 2 659	75 913	68 863	7 049	6
		1998.. 3 651	90 514	80 588	9 926	2
		1997.. 3 492	89 307	78 998	10 309	X
316993	Personal leather good (except women's handbag & purse) mfg	1999.. 4 576	107 210	93 245	13 965	6
		1998.. 4 957	128 329	110 742	17 588	3
		1997.. 5 215	128 740	109 840	18 900	X
316999	All other leather good mfg	1999.. 8 039	206 616	172 299	34 317	5
		1998.. 10 121	245 073	205 049	40 024	1
		1997.. 10 216	224 340	187 254	37 086	X
321	Wood product mfg	1999.. 589 230	19 572 175	15 953 733	3 618 443	1
		1998.. 577 900	18 591 556	15 112 611	3 478 945	1
		1997.. 570 034	17 698 996	14 319 193	3 379 803	X
3211	Sawmills & wood preservation	1999.. 132 828	4 555 416	3 643 861	911 556	1
		1998.. 128 128	4 361 830	3 476 001	885 830	1
		1997.. 130 935	4 376 967	3 478 548	898 419	X
32111	Sawmills & wood preservation	1999.. 132 828	4 555 416	3 643 861	911 556	1
		1998.. 128 128	4 361 830	3 476 001	885 830	1
		1997.. 130 935	4 376 967	3 478 548	898 419	X
321113	Sawmills	1999.. 120 305	4 153 252	3 311 495	841 757	1
		1998.. 116 304	3 995 125	3 177 159	817 966	1
		1997.. 119 267	4 011 823	3 180 425	831 398	X
321114	Wood preservation	1999.. 12 523	402 164	332 366	69 798	2
		1998.. 11 823	366 706	298 841	67 864	2
		1997.. 11 668	365 144	298 123	67 021	X
3212	Veneer, plywood, & engineered wood product mfg	1999.. 115 877	4 340 697	3 470 819	869 879	1
		1998.. 112 532	4 135 116	3 310 807	824 309	1
		1997.. 113 085	3 962 492	3 155 921	806 571	X
32121	Veneer, plywood, & engineered wood product mfg	1999.. 115 877	4 340 697	3 470 819	869 879	1
		1998.. 112 532	4 135 116	3 310 807	824 309	1
		1997.. 113 085	3 962 492	3 155 921	806 571	X
321211	Hardwood veneer & plywood mfg	1999.. 21 677	677 765	550 987	126 778	3
		1998.. 21 236	681 111	550 599	130 512	3
		1997.. 22 029	647 571	523 831	123 740	X
321212	Softwood veneer & plywood mfg	1999.. 25 764	1 111 174	865 881	245 294	1
		1998.. 26 219	1 093 920	859 116	234 804	2
		1997.. 28 435	1 147 624	895 756	251 868	X
321213	Engineered wood member (except truss) mfg ..	1999.. 5 935	249 562	193 155	56 407	3
		1998.. 5 811	225 156	173 489	51 667	1
		1997.. 5 372	197 980	154 564	43 416	X
321214	Truss mfg	1999.. 37 802	1 218 462	1 018 603	199 860	2
		1998.. 34 661	1 099 815	920 735	179 080	3
		1997.. 32 069	943 512	784 839	158 673	X
321219	Reconstituted wood product mfg	1999.. 24 699	1 083 734	842 193	241 541	1
		1998.. 24 605	1 035 114	806 868	228 246	1
		1997.. 25 180	1 025 805	796 931	228 874	X
3219	Other wood product mfg	1999.. 340 524	10 676 062	8 839 054	1 837 008	1
		1998.. 337 240	10 094 610	8 325 804	1 768 806	1
		1997.. 326 014	9 359 537	7 684 724	1 674 813	X
32191	Millwork	1999.. 153 555	5 038 341	4 121 110	917 231	2
		1998.. 145 125	4 534 991	3 696 253	838 738	1
		1997.. 140 506	4 237 561	3 434 757	802 804	X
321911	Wood window & door mfg	1999.. 68 391	2 563 614	2 092 292	471 322	3
		1998.. 66 817	2 278 688	1 877 279	401 409	1
		1997.. 63 806	2 093 069	1 702 872	390 197	X
321912	Cut stock, resawing lumber, & planing	1999.. 44 877	1 265 792	1 028 575	237 217	2
		1998.. 39 744	1 149 968	918 608	231 360	4
		1997.. 39 205	1 092 922	878 081	214 841	X
321918	Other millwork (including flooring)	1999.. 40 287	1 208 934	1 000 243	208 692	3
		1998.. 38 564	1 106 336	900 366	205 970	1
		1997.. 37 495	1 051 570	853 804	197 766	X
32192	Wood container & pallet mfg	1999.. 49 455	1 215 094	1 038 981	176 112	2
		1998.. 52 564	1 215 702	1 033 297	182 404	1
		1997.. 51 173	1 148 114	971 865	176 249	X
321920	Wood container & pallet mfg	1999.. 49 455	1 215 094	1 038 981	176 112	2
		1998.. 52 564	1 215 702	1 033 297	182 404	1
		1997.. 51 173	1 148 114	971 865	176 249	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
321	Wood product mfg—Con.					
3219	Other wood product mfg—Con.					
32199	All other wood product mfg	1999.. 137 514	4 422 628	3 678 963	743 665	1
		1998.. 139 551	4 343 917	3 596 254	747 664	1
		1997.. 134 335	3 973 862	3 278 102	695 760	X
321991	Manufactured home (mobile home) mfg	1999.. 71 690	2 388 881	1 996 493	392 389	2
		1998.. 71 424	2 403 096	2 005 262	397 835	1
		1997.. 67 470	2 131 242	1 771 302	359 940	X
321992	Prefabricated wood building mfg	1999.. 25 540	836 710	700 230	136 480	3
		1998.. 23 579	757 519	624 900	132 619	3
		1997.. 23 187	714 722	592 344	122 378	X
321999	All other miscellaneous wood product mfg	1999.. 40 284	1 197 036	982 240	214 796	3
		1998.. 44 548	1 183 302	966 092	217 210	1
		1997.. 43 678	1 127 898	914 456	213 442	X
322	Paper mfg	1999.. 560 161	28 414 280	22 789 134	5 625 146	1
		1998.. 572 371	28 237 942	22 529 483	5 708 459	1
		1997.. 574 274	27 902 123	22 311 971	5 590 152	X
3221	Pulp, paper, & paperboard mills	1999.. 186 519	12 224 314	9 724 528	2 499 786	1
		1998.. 195 053	12 359 654	9 785 963	2 573 692	1
		1997.. 201 540	12 488 726	10 001 730	2 486 996	X
32211	Pulp mills	1999.. 7 311	497 101	389 985	107 116	1
		1998.. 7 433	505 743	397 165	108 578	1
		1997.. 8 048	523 928	417 689	106 239	X
322110	Pulp mills	1999.. 7 311	497 101	389 985	107 116	1
		1998.. 7 433	505 743	397 165	108 578	1
		1997.. 8 048	523 928	417 689	106 239	X
32212	Paper mills	1999.. 128 046	8 362 117	6 656 332	1 705 785	1
		1998.. 133 939	8 466 782	6 675 971	1 790 811	2
		1997.. 138 985	8 634 089	6 915 579	1 718 510	X
322121	Paper (except newsprint) mills	1999.. 116 859	7 539 277	6 019 828	1 519 449	1
		1998.. 121 298	7 581 050	5 973 936	1 607 114	2
		1997.. 125 935	7 735 327	6 197 015	1 538 312	X
322122	Newsprint mills	1999.. 11 187	822 840	636 503	186 337	1
		1998.. 12 641	885 732	702 035	183 697	1
		1997.. 13 050	898 762	718 564	180 198	X
32213	Paperboard mills	1999.. 51 162	3 365 096	2 678 211	686 885	1
		1998.. 53 681	3 387 129	2 712 826	674 302	1
		1997.. 54 507	3 330 709	2 668 462	662 247	X
322130	Paperboard mills	1999.. 51 162	3 365 096	2 678 211	686 885	1
		1998.. 53 681	3 387 129	2 712 826	674 302	1
		1997.. 54 507	3 330 709	2 668 462	662 247	X
3222	Converted paper product mfg	1999.. 373 642	16 189 966	13 064 605	3 125 361	1
		1998.. 377 317	15 878 288	12 743 521	3 134 767	1
		1997.. 372 734	15 413 397	12 310 241	3 103 156	X
32221	Paperboard container mfg	1999.. 211 719	9 281 408	7 514 546	1 766 862	1
		1998.. 211 799	9 013 729	7 251 137	1 762 593	1
		1997.. 207 346	8 695 893	6 939 598	1 756 295	X
322211	Corrugated & solid fiber box mfg	1999.. 132 504	5 896 831	4 794 219	1 102 611	1
		1998.. 129 387	5 545 566	4 475 762	1 069 804	2
		1997.. 124 641	5 313 757	4 260 630	1 053 127	X
322212	Folding paperboard box mfg	1999.. 47 959	2 198 131	1 762 901	435 230	1
		1998.. 50 798	2 254 230	1 794 138	460 092	2
		1997.. 50 465	2 217 943	1 745 178	472 765	X
322213	Setup paperboard box mfg	1999.. 5 455	158 944	134 435	24 509	4
		1998.. S	S	S	S	X
		1997.. 6 033	171 355	142 263	29 092	X
322214	Fiber can, tube, drum, & similar products mfg ..	1999.. 11 799	503 537	402 772	100 765	3
		1998.. 11 311	475 510	376 801	98 709	1
		1997.. 11 498	451 627	355 517	96 110	X
322215	Nonfolding sanitary food container mfg	1999.. 14 002	523 965	420 218	103 747	3
		1998.. 14 701	547 839	447 284	100 555	7
		1997.. 14 709	541 211	436 010	105 201	X
32222	Paper bag & coated & treated paper mfg	1999.. 72 925	3 422 050	2 727 560	694 489	1
		1998.. 75 290	3 395 933	2 699 017	696 916	1
		1997.. 75 370	3 322 114	2 624 531	697 583	X
322221	Coated & laminated packaging paper & plastics film mfg	1999.. 5 921	258 587	205 744	52 842	2
		1998.. 4 974	221 896	175 342	46 554	4
		1997.. 5 385	232 666	183 786	48 880	X
322222	Coated & laminated paper mfg	1999.. 40 177	1 992 569	1 603 160	389 408	2
		1998.. 41 548	1 980 333	1 584 975	395 358	1
		1997.. 41 550	1 957 063	1 552 642	404 421	X
322223	Plastics, foil, & coated paper bag mfg	1999.. 2 624	108 676	88 085	20 591	3
		1998.. 3 129	120 287	96 131	24 156	1
		1997.. 2 991	120 648	94 810	25 838	X
322224	Uncoated paper & multiwall bag mfg	1999.. 15 965	613 372	485 259	128 114	2
		1998.. 17 119	617 523	490 330	127 193	1
		1997.. 16 808	586 530	461 405	125 125	X
322225	Laminated aluminum foil mfg for flexible packaging uses	1999.. 4 879	285 655	214 276	71 379	2
		1998.. 5 241	301 810	228 700	73 110	2
		1997.. 5 342	269 569	205 766	63 803	X
322226	Surface-coated paperboard mfg	1999.. 3 358	163 190	131 036	32 155	4
		1998.. 3 280	154 085	123 539	30 546	1
		1997.. 3 294	155 638	126 122	29 516	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
322	Paper mfg—Con.					
3222	Converted paper product mfg—Con.					
32223	Stationery product mfg	1999.. 47 911	1 788 228	1 439 317	348 911	1
		1998.. 48 245	1 721 937	1 388 770	333 167	2
		1997.. 47 750	1 697 154	1 375 317	321 837	X
322231	Die-cut paper & paperboard office supplies mfg	1999.. 13 807	471 394	380 081	91 314	4
		1998.. 13 194	434 903	347 777	87 125	2
		1997.. 12 552	422 596	337 559	85 037	X
322232	Envelope mfg	1999.. 25 462	1 005 816	812 952	192 864	1
		1998.. 26 362	999 326	807 908	191 418	4
		1997.. 25 981	981 010	796 765	184 245	X
322233	Stationery, tablet, & related product mfg	1999.. 8 642	311 018	246 285	64 733	3
		1998.. 8 689	287 708	233 085	54 623	2
		1997.. 9 217	293 548	240 993	52 555	X
32229	Other converted paper product mfg	1999.. 41 087	1 698 280	1 383 182	315 098	3
		1998.. 41 983	1 746 689	1 404 597	342 092	1
		1997.. 42 268	1 698 236	1 370 795	327 441	X
322291	Sanitary paper product mfg	1999.. 15 827	771 982	621 181	150 801	4
		1998.. 18 864	916 103	730 945	185 158	1
		1997.. 18 360	844 755	680 102	164 653	X
322299	All other converted paper product mfg	1999.. 25 260	926 299	762 001	164 297	4
		1998.. 23 119	830 587	673 652	156 934	3
		1997.. 23 908	853 481	690 693	162 788	X
323	Printing & related support activities	1999.. 838 218	32 520 378	27 369 027	5 151 351	1
		1998.. 843 254	32 032 226	26 846 805	5 185 421	1
		1997.. 834 404	31 148 808	26 022 991	5 125 817	X
3231	Printing & related support activities	1999.. 838 218	32 520 378	27 369 027	5 151 351	1
		1998.. 843 254	32 032 226	26 846 805	5 185 421	1
		1997.. 834 404	31 148 808	26 022 991	5 125 817	X
32311	Printing	1999.. 759 959	29 336 581	24 645 015	4 691 567	1
		1998.. 760 983	28 692 273	24 001 590	4 690 682	1
		1997.. 751 027	27 877 920	23 250 806	4 627 114	X
323110	Commercial lithographic printing	1999.. 420 378	17 347 397	14 695 554	2 651 843	2
		1998.. 422 579	16 986 579	14 356 414	2 630 165	1
		1997.. 413 680	16 298 706	13 708 665	2 590 041	X
323111	Commercial gravure printing	1999.. 22 102	999 737	798 999	200 737	1
		1998.. 23 116	1 026 261	827 300	198 961	1
		1997.. 23 126	995 201	802 731	192 470	X
323112	Commercial flexographic printing	1999.. 31 425	1 302 767	1 089 845	212 922	2
		1998.. 30 733	1 278 879	1 061 921	216 958	2
		1997.. 30 348	1 239 829	1 027 927	211 902	X
323113	Commercial screen printing	1999.. 69 225	2 106 217	1 776 068	330 149	2
		1998.. 70 835	2 042 938	1 705 381	337 557	2
		1997.. 72 479	2 071 383	1 731 971	339 412	X
323114	Quick printing	1999.. 63 691	1 834 288	1 557 866	276 422	2
		1998.. 52 954	1 532 984	1 299 726	233 258	1
		1997.. 52 069	1 475 034	1 248 931	226 103	X
323115	Digital printing	1999.. 5 162	183 905	156 559	27 345	5
		1998.. 4 582	155 391	130 574	24 817	3
		1997.. 4 222	145 678	122 560	23 118	X
323116	Manifold business form printing	1999.. 52 796	1 973 029	1 587 979	385 049	2
		1998.. 54 721	2 045 959	1 640 299	405 660	4
		1997.. 55 884	2 079 125	1 678 053	401 072	X
323117	Book printing	1999.. 50 509	2 008 175	1 657 931	350 244	2
		1998.. 49 453	1 901 956	1 549 499	352 457	1
		1997.. 49 047	1 873 428	1 530 539	342 889	X
323118	Blankbook, looseleaf binder, & device mfg	1999.. 16 851	601 881	491 472	110 409	4
		1998.. 17 485	644 229	522 868	121 361	2
		1997.. 17 565	623 967	496 481	127 486	X
323119	Other commercial printing	1999.. 27 819	979 187	832 742	146 445	5
		1998.. 34 524	1 077 098	907 607	169 491	3
		1997.. 32 607	1 075 569	902 948	172 621	X
32312	Support activities for printing	1999.. 78 259	3 183 797	2 724 013	459 784	3
		1998.. 82 271	3 339 953	2 845 214	494 739	2
		1997.. 83 377	3 270 888	2 772 185	498 703	X
323121	Tradebinding & related work	1999.. 30 646	947 913	813 994	133 919	4
		1998.. 30 982	931 702	797 864	133 838	2
		1997.. 30 831	886 915	755 060	131 855	X
323122	Prepress services	1999.. 47 613	2 235 883	1 910 018	325 865	3
		1998.. 51 289	2 408 251	2 047 350	360 901	3
		1997.. 52 546	2 383 973	2 017 125	366 848	X
324	Petroleum & coal products mfg	1999.. 103 743	7 137 429	5 624 923	1 512 506	1
		1998.. 107 980	7 220 262	5 678 001	1 542 260	1
		1997.. 107 625	7 125 300	5 546 082	1 579 218	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
324	Petroleum & coal products mfg—Con.					
3241	Petroleum & coal products mfg	103 743	7 137 429	5 624 923	1 512 506	1
	1999..	107 980	7 220 262	5 678 001	1 542 260	1
	1997..	107 625	7 125 300	5 546 082	1 579 218	X
32411	Petroleum refineries	63 491	5 070 554	3 958 665	1 111 890	1
	1999..	64 920	5 084 300	3 964 664	1 119 637	1
	1997..	65 448	5 035 389	3 884 869	1 150 520	X
324110	Petroleum refineries	63 491	5 070 554	3 958 665	1 111 890	1
	1999..	64 920	5 084 300	3 964 664	1 119 637	1
	1997..	65 448	5 035 389	3 884 869	1 150 520	X
32412	Asphalt paving, roofing, & saturated materials mfg	26 357	1 340 135	1 078 424	261 710	2
	1999..	27 962	1 359 721	1 095 663	264 059	1
	1997..	27 301	1 319 492	1 059 768	259 724	X
324121	Asphalt paving mixture & block mfg	13 237	689 415	555 965	133 450	3
	1999..	14 660	705 880	572 980	132 900	2
	1997..	13 946	695 135	560 441	134 694	X
324122	Asphalt shingle & coating materials mfg	13 120	650 719	522 459	128 260	1
	1999..	13 302	653 842	522 682	131 159	1
	1997..	13 355	624 357	499 327	125 030	X
32419	Other petroleum & coal products mfg	13 896	726 740	587 834	138 906	2
	1999..	15 099	776 240	617 675	158 565	2
	1997..	14 876	770 419	601 445	168 974	X
324191	Petroleum lubricating oil & grease mfg	10 853	573 273	469 026	104 247	2
	1999..	11 542	583 647	471 421	112 226	2
	1997..	11 242	562 016	448 857	113 159	X
324199	All other petroleum & coal products mfg	3 043	153 467	118 808	34 659	3
	1999..	3 557	192 593	146 254	46 338	3
	1997..	3 634	208 403	152 588	55 815	X
325	Chemical mfg	881 415	53 014 396	42 100 953	10 913 442	1
	1999..	895 452	52 362 174	41 581 035	10 781 138	1
	1997..	882 645	50 310 027	39 835 717	10 474 310	X
3251	Basic chemical mfg	193 487	13 318 972	10 354 693	2 964 279	1
	1999..	202 185	13 345 828	10 498 422	2 847 405	1
	1997..	200 766	13 091 426	10 290 943	2 800 483	X
32511	Petrochemical mfg	11 456	945 765	728 206	217 559	1
	1999..	10 377	831 146	646 692	184 454	1
	1997..	10 192	813 832	620 132	193 700	X
325110	Petrochemical mfg	11 456	945 765	728 206	217 559	1
	1999..	10 377	831 146	646 692	184 454	1
	1997..	10 192	813 832	620 132	193 700	X
32512	Industrial gas mfg	11 783	749 639	574 316	175 323	3
	1999..	12 548	748 486	581 876	166 610	1
	1997..	12 636	746 006	579 853	166 153	X
325120	Industrial gas mfg	11 783	749 639	574 316	175 323	3
	1999..	12 548	748 486	581 876	166 610	1
	1997..	12 636	746 006	579 853	166 153	X
32513	Dye & pigment mfg	17 241	1 020 435	801 761	218 673	4
	1999..	16 964	991 127	780 322	210 805	2
	1997..	17 318	1 000 621	782 624	217 997	X
325131	Inorganic dye & pigment mfg	8 244	532 746	411 860	120 886	5
	1999..	8 524	509 845	401 354	108 492	1
	1997..	8 629	505 276	394 603	110 673	X
325132	Synthetic organic dye & pigment mfg	8 996	487 689	389 901	97 788	5
	1999..	8 440	481 281	378 968	102 313	3
	1997..	8 689	495 345	388 021	107 324	X
32518	Other basic inorganic chemical mfg	60 364	4 109 675	3 144 038	965 637	1
	1999..	62 784	4 061 554	3 186 819	874 734	1
	1997..	60 055	3 779 753	2 971 865	807 888	X
325181	Alkalies & chlorine mfg	4 652	329 369	261 445	67 924	1
	1999..	4 899	349 193	279 018	70 175	1
	1997..	4 859	339 677	272 779	66 898	X
325182	Carbon black mfg	1 875	119 791	97 813	21 978	2
	1999..	1 732	119 927	93 012	26 915	1
	1997..	1 769	117 458	90 694	26 764	X
325188	All other basic inorganic chemical mfg	53 837	3 660 514	2 784 779	875 735	1
	1999..	56 153	3 592 434	2 814 789	777 645	1
	1997..	53 427	3 322 618	2 608 392	714 226	X
32519	Other basic organic chemical mfg	92 644	6 493 459	5 106 373	1 387 087	1
	1999..	99 512	6 713 515	5 302 713	1 410 802	1
	1997..	100 565	6 751 214	5 336 469	1 414 745	X
325191	Gum & wood chemical mfg	2 527	121 601	96 807	24 794	1
	1999..	2 486	115 501	93 987	21 515	1
	1997..	2 261	104 809	84 253	20 556	X
325192	Cyclic crude & intermediate mfg	7 195	530 369	416 761	113 608	1
	1999..	8 557	602 648	463 580	139 068	1
	1997..	8 641	605 172	467 132	138 040	X
325193	Ethyl alcohol mfg	1 730	82 249	63 846	18 402	4
	1999..	1 542	78 048	60 133	17 915	6
	1997..	1 503	74 633	58 421	16 212	X
325199	All other basic organic chemical mfg	81 192	5 759 241	4 528 958	1 230 282	1
	1999..	86 927	5 917 318	4 685 013	1 232 304	1
	1997..	88 160	5 966 600	4 726 663	1 239 937	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
325	Chemical mfg—Con.					
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1999.. 108 403 1998.. 114 427 1997.. 115 691	7 014 714 7 163 532 7 029 436	5 353 146 5 509 683 5 397 924	1 661 568 1 653 849 1 631 512	1 1 X
32521	Resin & synthetic rubber mfg	1999.. 69 634 1998.. 73 701 1997.. 73 804	4 810 601 5 024 666 4 903 377	3 701 463 3 893 560 3 788 883	1 109 138 1 131 107 1 114 494	1 1 X
325211	Plastics material & resin mfg	1999.. 58 483 1998.. 62 789 1997.. 61 632	4 012 624 4 243 548 4 068 330	3 089 723 3 297 106 3 160 542	922 901 946 442 907 788	1 1 X
325212	Synthetic rubber mfg	1999.. 11 151 1998.. 10 912 1997.. 12 172	797 977 781 118 835 047	611 741 596 454 628 341	186 236 184 664 206 706	3 1 X
32522	Artificial & synthetic fibers & filaments mfg	1999.. 38 768 1998.. 40 726 1997.. 41 887	2 204 114 2 138 866 2 126 059	1 651 683 1 616 123 1 609 041	552 431 522 743 517 018	1 1 X
325221	Cellulosic organic fiber mfg	1999.. 3 215 1998.. 4 055 1997.. 4 802	169 162 198 848 236 905	123 576 147 082 174 879	45 586 51 766 62 026	1 1 X
325222	Noncellulosic organic fiber mfg	1999.. 35 554 1998.. 36 671 1997.. 37 085	2 034 952 1 940 018 1 889 154	1 528 107 1 469 041 1 434 162	506 845 470 977 454 992	1 1 X
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1999.. 37 164 1998.. 37 437 1997.. 37 123	2 042 746 1 956 547 1 902 960	1 634 803 1 557 357 1 515 969	407 943 399 190 386 991	2 2 X
32531	Fertilizer mfg	1999.. 23 229 1998.. 23 140 1997.. 23 150	1 192 464 1 136 984 1 091 982	959 740 911 851 880 977	232 725 225 133 211 005	2 3 X
325311	Nitrogenous fertilizer mfg	1999.. 5 334 1998.. 5 204 1997.. 5 811	321 902 360 193 346 127	265 179 295 207 286 132	56 723 64 987 59 995	4 2 X
325312	Phosphatic fertilizer mfg	1999.. 8 715 1998.. 8 565 1997.. 8 482	528 274 469 346 456 266	412 263 364 007 357 905	116 011 105 339 98 361	1 7 X
325314	Fertilizer (mixing only) mfg	1999.. 9 180 1998.. 9 371 1997.. 8 857	342 288 307 445 289 589	282 298 252 637 236 940	59 990 54 808 52 649	5 1 X
32532	Pesticide & other agricultural chemical mfg	1999.. 13 935 1998.. 14 297 1997.. 13 973	850 282 819 563 810 978	675 063 645 506 634 992	175 219 174 057 175 986	4 1 X
325320	Pesticide & other agricultural chemical mfg	1999.. 13 935 1998.. 14 297 1997.. 13 973	850 282 819 563 810 978	675 063 645 506 634 992	175 219 174 057 175 986	4 1 X
3254	Pharmaceutical & medicine mfg	1999.. 222 914 1998.. 212 655 1997.. 203 337	14 712 738 13 815 119 12 592 956	11 984 792 11 203 070 10 111 751	2 727 946 2 612 048 2 481 205	1 1 X
32541	Pharmaceutical & medicine mfg	1999.. 222 914 1998.. 212 655 1997.. 203 337	14 712 738 13 815 119 12 592 956	11 984 792 11 203 070 10 111 751	2 727 946 2 612 048 2 481 205	1 1 X
325411	Medicinal & botanical mfg	1999.. 28 121 1998.. 30 023 1997.. 27 764	2 013 611 2 127 927 1 881 055	1 651 287 1 728 518 1 530 029	362 324 399 409 351 026	6 1 X
325412	Pharmaceutical preparation mfg	1999.. 131 130 1998.. 117 707 1997.. 114 119	8 423 808 7 505 552 6 888 097	6 880 497 6 085 472 5 522 283	1 543 311 1 420 081 1 365 814	1 1 X
325413	In-vitro diagnostic substance mfg	1999.. 40 780 1998.. 40 790 1997.. 38 485	2 910 644 2 829 300 2 557 328	2 352 133 2 292 512 2 051 030	558 510 536 789 506 298	1 2 X
325414	Biological product (except diagnostic) mfg	1999.. 22 883 1998.. 24 134 1997.. 22 969	1 364 676 1 352 340 1 266 476	1 100 875 1 096 569 1 008 409	263 801 255 770 258 067	3 1 X
3255	Paint, coating, & adhesive mfg	1999.. 73 915 1998.. 75 911 1997.. 74 464	3 817 840 3 710 851 3 649 657	3 076 928 2 954 535 2 903 042	740 912 756 316 746 615	2 1 X
32551	Paint & coating mfg	1999.. 51 211 1998.. 53 876 1997.. 52 772	2 643 793 2 622 845 2 595 113	2 139 207 2 099 770 2 071 651	504 587 523 075 523 462	2 2 X
325510	Paint & coating mfg	1999.. 51 211 1998.. 53 876 1997.. 52 772	2 643 793 2 622 845 2 595 113	2 139 207 2 099 770 2 071 651	504 587 523 075 523 462	2 2 X
32552	Adhesive mfg	1999.. 22 704 1998.. 22 035 1997.. 21 692	1 174 046 1 088 006 1 054 544	937 722 854 765 831 391	236 325 233 241 223 153	7 1 X
325520	Adhesive mfg	1999.. 22 704 1998.. 22 035 1997.. 21 692	1 174 046 1 088 006 1 054 544	937 722 854 765 831 391	236 325 233 241 223 153	7 1 X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
325	Chemical mfg—Con.					
3256	Soap, cleaning compound, & toilet preparation mfg					
	1999..	123 414	5 825 539	4 625 523	1 200 016	1
	1998..	130 672	5 979 033	4 742 716	1 236 317	1
	1997..	126 446	5 735 489	4 567 517	1 167 972	X
32561	Soap & cleaning compound mfg					
	1999..	60 231	3 124 286	2 481 996	642 290	1
	1998..	63 852	3 136 352	2 495 332	641 020	2
	1997..	62 479	3 080 208	2 454 050	626 158	X
325611	Soap & other detergent mfg					
	1999..	29 181	1 625 461	1 271 000	354 461	2
	1998..	30 771	1 603 081	1 265 897	337 185	4
	1997..	31 052	1 603 152	1 268 061	335 091	X
325612	Polish & other sanitation good mfg					
	1999..	21 189	912 232	732 577	179 655	3
	1998..	23 633	932 030	750 814	181 216	2
	1997..	21 985	896 799	724 411	172 388	X
325613	Surface active agent mfg					
	1999..	9 861	586 593	478 419	108 174	5
	1998..	9 448	601 241	478 621	122 619	1
	1997..	9 442	580 257	461 578	118 679	X
32562	Toilet preparation mfg					
	1999..	63 183	2 701 252	2 143 527	557 725	2
	1998..	66 820	2 842 681	2 247 384	595 297	2
	1997..	63 967	2 655 281	2 113 467	541 814	X
325620	Toilet preparation mfg					
	1999..	63 183	2 701 252	2 143 527	557 725	2
	1998..	66 820	2 842 681	2 247 384	595 297	2
	1997..	63 967	2 655 281	2 113 467	541 814	X
3259	Other chemical product mfg					
	1999..	122 119	6 281 846	5 071 068	1 210 778	1
	1998..	122 165	6 391 265	5 115 253	1 276 013	1
	1997..	124 818	6 308 103	5 048 571	1 259 532	X
32591	Printing ink mfg					
	1999..	13 945	727 993	592 302	135 691	2
	1998..	13 429	673 518	542 350	131 168	4
	1997..	13 196	638 825	509 564	129 261	X
325910	Printing ink mfg					
	1999..	13 945	727 993	592 302	135 691	2
	1998..	13 429	673 518	542 350	131 168	4
	1997..	13 196	638 825	509 564	129 261	X
32592	Explosives mfg					
	1999..	8 705	382 999	298 910	84 088	3
	1998..	8 410	383 547	296 903	86 643	1
	1997..	8 972	407 441	312 301	95 140	X
325920	Explosives mfg					
	1999..	8 705	382 999	298 910	84 088	3
	1998..	8 410	383 547	296 903	86 643	1
	1997..	8 972	407 441	312 301	95 140	X
32599	All other chemical product & preparation mfg					
	1999..	99 469	5 170 854	4 179 855	990 999	1
	1998..	100 326	5 334 200	4 275 999	1 058 201	1
	1997..	102 650	5 261 837	4 226 706	1 035 131	X
325991	Custom compounding of purchased resin					
	1999..	26 870	1 227 401	978 749	248 653	2
	1998..	27 415	1 244 045	986 948	257 097	1
	1997..	27 664	1 221 881	969 961	251 920	X
325992	Photographic film, paper, plate, & chemical mfg					
	1999..	34 800	2 076 361	1 707 289	369 072	1
	1998..	35 751	2 215 794	1 788 536	427 258	1
	1997..	39 090	2 265 000	1 836 912	428 088	X
325998	All other miscellaneous chemical product & preparation mfg					
	1999..	37 799	1 867 091	1 493 817	373 274	2
	1998..	37 160	1 874 361	1 500 515	373 846	1
	1997..	35 896	1 774 956	1 419 833	355 123	X
326	Plastics & rubber products mfg					
	1999..	1 069 069	40 898 579	32 637 952	8 260 627	1
	1998..	1 040 446	39 057 484	31 027 376	8 030 108	1
	1997..	1 023 060	37 564 944	29 804 904	7 760 040	X
3261	Plastics product mfg					
	1999..	857 972	31 228 565	25 368 005	5 860 560	1
	1998..	835 558	29 840 272	24 096 922	5 743 350	1
	1997..	820 707	28 648 749	23 029 570	5 619 179	X
32611	Unsupported plastics film, sheet, & bag mfg					
	1999..	109 902	4 747 876	3 813 717	934 160	1
	1998..	109 821	4 624 430	3 698 205	926 225	1
	1997..	110 292	4 573 724	3 646 537	927 187	X
326111	Unsupported plastics bag mfg					
	1999..	40 480	1 514 407	1 231 451	282 956	1
	1998..	41 169	1 493 524	1 211 123	282 401	2
	1997..	40 671	1 443 018	1 168 260	274 758	X
326112	Unsupported plastics packaging film & sheet mfg					
	1999..	15 808	723 246	582 710	140 536	3
	1998..	15 288	708 776	567 022	141 754	3
	1997..	15 428	683 465	550 628	132 837	X
326113	Unsupported plastics film & sheet (except packaging) mfg					
	1999..	53 613	2 510 223	1 999 556	510 667	2
	1998..	53 364	2 422 130	1 920 060	502 070	1
	1997..	54 193	2 447 241	1 927 649	519 592	X
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg					
	1999..	49 167	1 873 732	1 538 329	335 404	2
	1998..	47 864	1 844 919	1 490 807	354 112	2
	1997..	47 419	1 756 321	1 409 531	346 790	X
326121	Unsupported plastics profile shape mfg					
	1999..	26 992	1 066 360	874 586	191 774	3
	1998..	27 657	1 083 152	866 589	216 563	4
	1997..	27 449	1 068 172	857 876	210 296	X
326122	Plastics pipe & pipe fitting mfg					
	1999..	22 175	807 372	663 742	143 630	4
	1998..	20 207	761 768	624 218	137 550	2
	1997..	19 970	688 149	551 655	136 494	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
326	Plastics & rubber products mfg—Con.					
3261	Plastics product mfg—Con.					
32613	Laminated plastics plate, sheet, & shape mfg	1999.. 14 989	666 242	534 730	131 513	2
		1998.. 15 689	679 861	542 124	137 737	3
		1997.. 16 517	702 570	545 933	156 637	X
326130	Laminated plastics plate, sheet, & shape mfg ..	1999.. 14 989	666 242	534 730	131 513	2
		1998.. 15 689	679 861	542 124	137 737	3
		1997.. 16 517	702 570	545 933	156 637	X
32614	Polystyrene foam product mfg	1999.. 32 208	1 115 901	908 151	207 750	3
		1998.. 30 564	1 030 434	837 401	193 033	2
		1997.. 27 142	940 094	759 412	180 682	X
326140	Polystyrene foam product mfg	1999.. 32 208	1 115 901	908 151	207 750	3
		1998.. 30 564	1 030 434	837 401	193 033	2
		1997.. 27 142	940 094	759 412	180 682	X
32615	Urethane & other foam product (except polystyrene) mfg	1999.. 36 570	1 315 330	1 048 515	266 815	3
		1998.. 35 985	1 292 775	1 027 980	264 795	2
		1997.. 37 362	1 273 267	1 008 426	264 841	X
326150	Urethane & other foam product (except polystyrene) mfg	1999.. 36 570	1 315 330	1 048 515	266 815	3
		1998.. 35 985	1 292 775	1 027 980	264 795	2
		1997.. 37 362	1 273 267	1 008 426	264 841	X
32616	Plastics bottle mfg	1999.. 36 917	1 335 194	1 070 003	265 191	2
		1998.. 35 160	1 279 003	1 016 353	262 650	1
		1997.. 33 933	1 220 050	963 813	256 237	X
326160	Plastics bottle mfg	1999.. 36 917	1 335 194	1 070 003	265 191	2
		1998.. 35 160	1 279 003	1 016 353	262 650	1
		1997.. 33 933	1 220 050	963 813	256 237	X
32619	Other plastics product mfg	1999.. 578 220	20 174 289	16 454 561	3 719 728	1
		1998.. 560 475	19 088 849	15 484 052	3 604 798	1
		1997.. 548 042	18 182 723	14 695 918	3 486 805	X
326191	Plastics plumbing fixture mfg	1999.. 22 016	685 972	571 185	114 787	3
		1998.. 19 269	608 241	496 085	112 157	5
		1997.. 19 254	559 026	452 514	106 512	X
326192	Resilient floor covering mfg	1999.. 5 507	285 262	223 385	61 877	1
		1998.. 6 484	341 545	277 255	64 289	1
		1997.. 6 070	336 880	270 689	66 191	X
326199	All other plastics product mfg	1999.. 550 696	19 203 055	15 659 990	3 543 065	1
		1998.. 534 723	18 139 064	14 710 712	3 428 352	1
		1997.. 522 718	17 286 817	13 972 715	3 314 102	X
3262	Rubber product mfg	1999.. 211 096	9 670 014	7 269 947	2 400 067	1
		1998.. 204 888	9 217 212	6 930 454	2 286 758	1
		1997.. 202 353	8 916 195	6 775 334	2 140 861	X
32621	Tire mfg	1999.. 72 614	4 306 178	3 102 745	1 203 433	1
		1998.. 73 577	4 189 965	3 028 618	1 161 347	1
		1997.. 72 189	3 996 662	2 962 564	1 034 098	X
326211	Tire mfg (except retreading)	1999.. 64 747	4 058 145	2 901 350	1 156 796	1
		1998.. 65 429	3 937 299	2 824 020	1 113 279	1
		1997.. 64 334	3 758 274	2 772 569	985 705	X
326212	Tire retreading	1999.. 7 866	248 033	201 395	46 638	4
		1998.. 8 148	252 666	204 598	48 068	3
		1997.. 7 855	238 388	189 995	48 393	X
32622	Rubber & plastics hoses & belting mfg	1999.. 25 455	1 088 292	828 313	259 980	2
		1998.. 24 181	1 025 673	775 834	249 840	3
		1997.. 24 182	1 011 301	749 220	262 081	X
326220	Rubber & plastics hoses & belting mfg	1999.. 25 455	1 088 292	828 313	259 980	2
		1998.. 24 181	1 025 673	775 834	249 840	3
		1997.. 24 182	1 011 301	749 220	262 081	X
32629	Other rubber product mfg	1999.. 113 028	4 275 544	3 338 890	936 654	2
		1998.. 107 130	4 001 574	3 126 003	875 572	1
		1997.. 105 982	3 908 232	3 063 550	844 682	X
326291	Rubber product mfg for mechanical use	1999.. 60 583	2 319 850	1 779 171	540 678	2
		1998.. 56 741	2 149 935	1 658 528	491 407	2
		1997.. 55 397	2 061 185	1 593 564	467 621	X
326299	All other rubber product mfg	1999.. 52 444	1 955 694	1 559 718	395 976	3
		1998.. 50 390	1 851 639	1 467 474	384 165	1
		1997.. 50 585	1 847 047	1 469 986	377 061	X
327	Nonmetallic mineral product mfg	1999.. 525 980	22 679 607	17 948 446	4 731 161	1
		1998.. 507 938	21 427 438	16 865 696	4 561 742	1
		1997.. 501 471	20 546 013	16 172 049	4 373 964	X
3271	Clay product & refractory mfg	1999.. 77 176	2 897 007	2 293 697	603 310	1
		1998.. 77 657	2 824 513	2 229 006	595 507	1
		1997.. 80 441	2 833 434	2 235 382	598 052	X
32711	Pottery, ceramics, & plumbing fixture mfg	1999.. 39 678	1 419 267	1 119 983	299 285	2
		1998.. 41 155	1 428 364	1 125 359	303 005	1
		1997.. 42 557	1 415 569	1 114 784	300 785	X
327111	Vitreous china plumbing fixture & bathroom accessories mfg	1999.. 9 023	376 496	290 562	85 935	5
		1998.. 9 604	399 683	306 131	93 552	1
		1997.. 9 222	370 041	284 871	85 170	X
327112	Vitreous china, fine earthenware, & other pottery product mfg	1999.. 21 225	654 264	518 276	135 988	3
		1998.. 22 103	643 201	510 009	133 192	1
		1997.. 23 253	639 411	504 659	134 752	X
327113	Porcelain electrical supply mfg	1999.. 9 430	388 507	311 145	77 362	3
		1998.. 9 448	385 480	309 219	76 261	4
		1997.. 10 082	406 117	325 254	80 863	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
327	Nonmetallic mineral product mfg—Con.					
3271	Clay product & refractory mfg—Con.					
32712	Clay building material & refractories mfg	1999.. 37 498	1 477 740	1 173 714	304 026	2
		1998.. 36 502	1 396 149	1 103 647	292 502	1
		1997.. 37 884	1 417 865	1 120 598	297 267	X
327121	Brick & structural clay tile mfg.....	1999.. 14 157	506 793	410 888	95 905	3
		1998.. 13 182	448 788	363 358	85 430	4
		1997.. 13 694	445 951	360 947	85 004	X
327122	Ceramic wall & floor tile mfg	1999.. 8 639	272 179	223 123	49 056	6
		1998.. 8 337	251 909	203 764	48 145	3
		1997.. 8 755	267 862	214 860	53 002	X
327123	Other structural clay product mfg	1999.. 1 320	48 041	37 924	10 117	5
		1998.. 1 490	50 117	38 270	11 847	1
		1997.. 1 332	45 938	35 163	10 775	X
327124	Clay refractory mfg	1999.. 5 025	234 686	184 814	49 872	7
		1998.. 5 617	259 054	201 829	57 225	1
		1997.. 5 781	254 207	199 274	54 933	X
327125	Nonclay refractory mfg	1999.. 8 357	416 041	316 966	99 075	3
		1998.. 7 876	386 282	296 426	89 856	1
		1997.. 8 322	403 907	310 354	93 553	X
3272	Glass & glass product mfg	1999.. 127 690	6 024 191	4 647 502	1 376 689	1
		1998.. 127 206	5 773 157	4 442 821	1 330 337	1
		1997.. 128 565	5 744 758	4 428 351	1 316 407	X
32721	Glass & glass product mfg	1999.. 127 690	6 024 191	4 647 502	1 376 689	1
		1998.. 127 206	5 773 157	4 442 821	1 330 337	1
		1997.. 128 565	5 744 758	4 428 351	1 316 407	X
327211	Flat glass mfg	1999.. 11 053	693 107	554 363	138 744	1
		1998.. 11 500	686 639	540 673	145 966	1
		1997.. 11 579	696 394	535 454	160 940	X
327212	Other pressed & blown glass & glassware mfg	1999.. 35 013	1 684 280	1 244 957	439 323	1
		1998.. 35 089	1 638 383	1 218 756	419 627	1
		1997.. 35 383	1 628 734	1 228 719	400 015	X
327213	Glass container mfg	1999.. 19 220	1 111 572	818 898	292 673	1
		1998.. 19 935	1 106 792	822 235	284 557	1
		1997.. 21 184	1 129 899	840 703	289 196	X
327215	Glass product mfg made of purchased glass ...	1999.. 62 405	2 535 233	2 029 284	505 949	2
		1998.. 60 682	2 341 343	1 861 156	480 186	2
		1997.. 60 419	2 289 731	1 823 475	466 256	X
3273	Cement & concrete product mfg.....	1999.. 218 694	9 244 684	7 428 353	1 816 331	1
		1998.. 201 890	8 425 338	6 713 871	1 711 467	1
		1997.. 194 970	7 799 989	6 190 454	1 609 535	X
32731	Cement mfg	1999.. 17 356	1 041 046	813 023	228 022	1
		1998.. 17 227	984 866	756 333	228 533	1
		1997.. 16 925	952 940	734 226	218 714	X
327310	Cement mfg	1999.. 17 356	1 041 046	813 023	228 022	1
		1998.. 17 227	984 866	756 333	228 533	1
		1997.. 16 925	952 940	734 226	218 714	X
32732	Ready-mix concrete mfg	1999.. 103 514	4 430 375	3 583 699	846 676	1
		1998.. 94 401	3 969 631	3 177 079	792 552	1
		1997.. 93 136	3 715 663	2 965 346	750 317	X
327320	Ready-mix concrete mfg	1999.. 103 514	4 430 375	3 583 699	846 676	1
		1998.. 94 401	3 969 631	3 177 079	792 552	1
		1997.. 93 136	3 715 663	2 965 346	750 317	X
32733	Concrete pipe, brick, & block mfg	1999.. 36 152	1 519 590	1 214 885	304 705	3
		1998.. 34 108	1 391 856	1 108 273	283 583	2
		1997.. 32 164	1 250 431	990 225	260 206	X
327331	Concrete block & brick mfg	1999.. 21 276	881 768	700 316	181 451	4
		1998.. 19 602	806 186	636 918	169 268	3
		1997.. 18 079	712 712	559 417	153 295	X
327332	Concrete pipe mfg	1999.. 14 876	637 822	514 569	123 254	5
		1998.. 14 506	585 670	471 355	114 315	3
		1997.. 14 085	537 719	430 808	106 911	X
32739	Other concrete product mfg	1999.. 61 672	2 253 673	1 816 746	436 927	2
		1998.. 56 155	2 078 984	1 672 186	406 798	1
		1997.. 52 745	1 880 955	1 500 657	380 298	X
327390	Other concrete product mfg	1999.. 61 672	2 253 673	1 816 746	436 927	2
		1998.. 56 155	2 078 984	1 672 186	406 798	1
		1997.. 52 745	1 880 955	1 500 657	380 298	X
3274	Lime & gypsum product mfg	1999.. 21 005	977 669	789 220	188 449	1
		1998.. 20 562	966 391	776 129	190 263	5
		1997.. 18 856	852 416	691 349	161 067	X
32741	Lime mfg.....	1999.. 5 723	277 460	219 718	57 742	2
		1998.. 5 748	282 577	222 163	60 414	7
		1997.. 5 313	246 578	194 786	51 792	X
327410	Lime mfg.....	1999.. 5 723	277 460	219 718	57 742	2
		1998.. 5 748	282 577	222 163	60 414	7
		1997.. 5 313	246 578	194 786	51 792	X
32742	Gypsum product mfg	1999.. 15 282	700 209	569 502	130 707	2
		1998.. 14 813	683 814	553 966	129 849	6
		1997.. 13 543	605 838	496 563	109 275	X
327420	Gypsum product mfg	1999.. 15 282	700 209	569 502	130 707	2
		1998.. 14 813	683 814	553 966	129 849	6
		1997.. 13 543	605 838	496 563	109 275	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
327	Nonmetallic mineral product mfg—Con.					
3279	Other nonmetallic mineral product mfg	1999.. 81 415	3 536 055	2 789 674	746 382	1
		1998.. 80 623	3 438 038	2 703 870	734 168	1
		1997.. 78 639	3 315 416	2 626 513	688 903	X
32791	Abrasive product mfg	1999.. 21 076	939 895	742 755	197 141	2
		1998.. 21 551	969 862	756 109	213 754	2
		1997.. 22 571	992 493	782 054	210 439	X
327910	Abrasive product mfg	1999.. 21 076	939 895	742 755	197 141	2
		1998.. 21 551	969 862	756 109	213 754	2
		1997.. 22 571	992 493	782 054	210 439	X
32799	All other nonmetallic mineral product mfg.....	1999.. 60 339	2 596 160	2 046 919	549 241	2
		1998.. 59 072	2 468 176	1 947 762	520 414	1
		1997.. 56 068	2 322 923	1 844 459	478 464	X
327991	Cut stone & stone product mfg	1999.. 15 691	526 014	418 788	107 226	6
		1998.. 14 332	466 381	369 175	97 207	5
		1997.. 13 109	439 192	350 549	88 643	X
327992	Ground or treated mineral & earth mfg	1999.. 10 065	471 851	366 911	104 940	3
		1998.. 9 757	451 109	353 037	98 072	4
		1997.. 10 115	462 947	360 995	101 952	X
327993	Mineral wool mfg	1999.. 22 823	1 154 879	904 504	250 376	3
		1998.. 22 498	1 094 118	862 871	231 247	2
		1997.. 21 610	1 021 107	811 380	209 727	X
327999	All other miscellaneous nonmetallic mineral product mfg	1999.. 11 759	443 416	356 716	86 700	3
		1998.. 12 486	456 567	362 679	93 888	2
		1997.. 11 234	399 677	321 535	78 142	X
331	Primary metal mfg	1999.. 586 443	31 309 175	23 726 374	7 582 801	1
		1998.. 602 292	32 024 864	24 146 138	7 878 726	1
		1997.. 605 085	31 787 971	23 811 233	7 976 738	X
3311	Iron & steel mills & ferroalloy mfg	1999.. 141 321	10 150 238	7 288 484	2 861 753	1
		1998.. 148 392	10 678 683	7 661 084	3 017 599	1
		1997.. 149 875	10 770 672	7 604 810	3 165 862	X
33111	Iron & steel mills & ferroalloy mfg	1999.. 141 321	10 150 238	7 288 484	2 861 753	1
		1998.. 148 392	10 678 683	7 661 084	3 017 599	1
		1997.. 149 875	10 770 672	7 604 810	3 165 862	X
331111	Iron & steel mills	1999.. 137 889	9 944 068	7 131 306	2 812 762	1
		1998.. 144 723	10 466 844	7 501 782	2 965 062	1
		1997.. 146 215	10 567 760	7 450 380	3 117 380	X
331112	Electrometallurgical ferroalloy product mfg	1999.. 3 432	206 169	157 178	48 991	4
		1998.. 3 669	211 839	159 302	52 537	1
		1997.. 3 660	202 912	154 430	48 482	X
3312	Steel product mfg from purchased steel	1999.. 61 667	2 955 145	2 291 438	663 707	2
		1998.. 64 483	3 087 598	2 380 165	707 433	1
		1997.. 64 200	3 003 421	2 306 920	696 501	X
33121	Iron & steel pipes & tubes mfg from purchased steel.....	1999.. 25 947	1 207 296	949 400	257 896	6
		1998.. 27 313	1 270 104	994 813	275 291	1
		1997.. 26 864	1 222 053	956 735	265 318	X
331210	Iron & steel pipes & tubes mfg from purchased steel.....	1999.. 25 947	1 207 296	949 400	257 896	6
		1998.. 27 313	1 270 104	994 813	275 291	1
		1997.. 26 864	1 222 053	956 735	265 318	X
33122	Rolling & drawing of purchased steel	1999.. 35 720	1 747 849	1 342 038	405 811	1
		1998.. 37 170	1 817 494	1 385 352	432 143	2
		1997.. 37 336	1 781 368	1 350 185	431 183	X
331221	Cold-rolled steel shape mfg.....	1999.. 12 172	751 205	553 837	197 368	2
		1998.. 14 319	870 938	637 705	233 233	2
		1997.. 14 106	861 626	630 082	231 544	X
331222	Steel wire drawing.....	1999.. 23 547	996 644	788 201	208 444	2
		1998.. 22 851	946 556	747 646	198 910	5
		1997.. 23 230	919 742	720 103	199 639	X
3313	Alumina & aluminum production & processing.....	1999.. 83 680	4 411 628	3 297 934	1 113 694	1
		1998.. 85 462	4 483 742	3 335 937	1 147 806	1
		1997.. 84 487	4 436 415	3 345 036	1 091 379	X
33131	Alumina & aluminum production & processing....	1999.. 83 680	4 411 628	3 297 934	1 113 694	1
		1998.. 85 462	4 483 742	3 335 937	1 147 806	1
		1997.. 84 487	4 436 415	3 345 036	1 091 379	X
331311	Alumina refining.....	1999.. 2 870	190 635	132 912	57 723	1
		1998.. 3 004	195 096	140 710	54 386	1
		1997.. 3 035	205 266	150 696	54 570	X
331312	Primary aluminum production	1999.. 16 562	978 329	706 761	271 568	1
		1998.. 16 317	1 016 513	730 453	286 060	1
		1997.. 15 763	969 268	707 402	261 866	X
331314	Secondary smelting & alloying of aluminum....	1999.. 7 237	317 350	246 501	70 849	3
		1998.. 6 918	305 990	237 122	68 869	1
		1997.. 6 614	290 561	226 469	64 092	X
331315	Aluminum sheet, plate, & foil mfg.....	1999.. 22 138	1 438 905	1 061 046	377 859	2
		1998.. 23 416	1 484 591	1 083 592	400 999	1
		1997.. 24 709	1 568 200	1 175 506	392 694	X
331316	Aluminum extruded product mfg	1999.. 30 811	1 305 704	1 009 676	296 028	1
		1998.. 31 690	1 299 791	1 001 575	298 217	1
		1997.. 30 357	1 221 182	944 829	276 353	X
331319	Other aluminum rolling & drawing	1999.. 4 062	180 706	141 038	39 667	1
		1998.. 4 115	181 761	142 485	39 276	2
		1997.. 4 009	181 938	140 134	41 804	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
331	Primary metal mfg—Con.					
3314	Nonferrous metal (except aluminum) production & processing	1999.. 74 815 1998.. 80 519 1997.. 81 162	3 789 409 3 929 290 3 928 586	2 950 117 3 062 091 3 048 301	839 291 867 199 880 285	1 1 X
33141	Nonferrous metal (except aluminum) smelting & refining	1999.. 13 981 1998.. 16 102 1997.. 16 568	749 286 812 937 843 941	579 730 628 798 651 108	169 556 184 139 192 833	3 1 X
331411	Primary smelting & refining of copper	1999.. 4 909 1998.. 6 539 1997.. 7 360	270 355 326 163 372 254	202 667 249 314 287 382	67 688 76 849 84 872	1 1 X
331419	Other nonferrous metal primary smelting & refining	1999.. 9 072 1998.. 9 563 1997.. 9 208	478 931 486 774 471 687	377 062 379 484 363 726	101 868 107 290 107 961	4 2 X
33142	Copper rolling, drawing, extruding, & alloying	1999.. 26 216 1998.. 27 874 1997.. 27 583	1 257 041 1 310 650 1 279 568	982 556 1 020 359 996 132	274 484 290 291 283 436	1 1 X
331421	Copper rolling, drawing, & extruding	1999.. 19 616 1998.. 21 112 1997.. 21 012	977 938 1 029 172 1 006 098	760 994 798 339 780 787	216 944 230 834 225 311	1 1 X
331422	Copper wire (except mechanical) drawing	1999.. 4 530 1998.. 4 476 1997.. 4 238	172 308 167 294 157 353	137 703 132 770 124 240	34 605 34 524 33 113	6 4 X
331423	Secondary smelting, refining, & alloying of copper	1999.. 2 069 1998.. 2 285 1997.. 2 333	106 794 114 184 116 117	83 859 89 251 91 105	22 935 24 933 25 012	3 4 X
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	1999.. 34 618 1998.. 36 544 1997.. 37 011	1 783 082 1 805 703 1 805 077	1 387 831 1 412 933 1 401 061	395 251 392 769 404 016	2 1 X
331491	Other nonferrous metal rolling, drawing, & extruding	1999.. 24 530 1998.. 25 581 1997.. 25 484	1 275 369 1 277 118 1 266 000	988 260 997 651 977 877	287 109 279 467 288 123	1 1 X
331492	Other nonferrous metal secondary smelting, refining, & alloying	1999.. 10 088 1998.. 10 963 1997.. 11 527	507 713 528 584 539 077	399 572 415 282 423 184	108 141 113 302 115 893	6 1 X
3315	Foundries	1999.. 224 961 1998.. 223 436 1997.. 225 361	10 002 756 9 845 551 9 648 877	7 898 402 7 706 861 7 506 166	2 104 355 2 138 690 2 142 711	1 1 X
33151	Ferrous metal foundries	1999.. 129 274 1998.. 127 298 1997.. 131 574	6 208 828 6 032 072 6 004 091	4 852 943 4 699 658 4 630 562	1 355 885 1 332 414 1 373 529	1 2 X
331511	Iron foundries	1999.. 82 921 1998.. 80 456 1997.. 85 429	4 310 315 4 119 774 4 189 932	3 348 621 3 185 121 3 211 357	961 694 934 653 978 575	1 3 X
331512	Steel investment foundries	1999.. 21 357 1998.. 22 282 1997.. 22 673	866 784 905 389 867 613	675 217 707 848 669 452	191 566 197 541 198 161	1 2 X
331513	Steel foundries (except investment)	1999.. 24 996 1998.. 24 560 1997.. 23 472	1 031 730 1 006 909 946 546	829 105 806 689 749 753	202 625 200 220 196 793	2 1 X
33152	Nonferrous metal foundries	1999.. 95 686 1998.. 96 138 1997.. 93 787	3 793 928 3 813 479 3 644 786	3 045 458 3 007 203 2 875 604	748 470 806 276 769 182	2 1 X
331521	Aluminum die-casting foundries	1999.. 28 602 1998.. 28 067 1997.. 27 516	1 172 202 1 190 557 1 143 964	936 373 931 554 899 544	235 829 259 003 244 420	3 3 X
331522	Nonferrous (except aluminum) die-casting foundries	1999.. 16 627 1998.. 17 477 1997.. 16 840	606 322 631 153 601 025	498 386 509 048 488 196	107 936 122 105 112 829	3 3 X
331524	Aluminum foundries (except die-casting)	1999.. 34 885 1998.. 35 234 1997.. 33 768	1 378 493 1 335 994 1 274 587	1 108 696 1 056 853 1 006 954	269 797 279 141 267 633	2 1 X
331525	Copper foundries (except die-casting)	1999.. 9 366 1998.. 9 353 1997.. 8 868	341 990 351 666 337 936	269 530 271 763 258 151	72 460 79 904 79 785	3 1 X
331528	Other nonferrous foundries (except die-casting)	1999.. 6 207 1998.. 6 008 1997.. 6 795	294 920 304 107 287 274	232 472 237 985 222 759	62 448 66 122 64 515	3 5 X
332	Fabricated metal product mfg	1999.. 1 798 771 1998.. 1 811 231 1997.. 1 763 772	73 661 734 73 374 951 70 092 703	59 914 513 59 343 525 56 631 583	13 747 222 14 031 427 13 461 120	1 1 X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
332	Fabricated metal product mfg—Con.					
3321	Forging & stamping.....	1999.. 162 042	6 984 761	5 649 312	1 335 449	1
		1998.. 163 571	7 146 109	5 737 171	1 408 938	1
		1997.. 158 944	6 804 088	5 461 638	1 342 450	X
33211	Forging & stamping.....	1999.. 162 042	6 984 761	5 649 312	1 335 449	1
		1998.. 163 571	7 146 109	5 737 171	1 408 938	1
		1997.. 158 944	6 804 088	5 461 638	1 342 450	X
332111	Iron & steel forging	1999.. 26 003	1 286 974	1 008 126	278 848	1
		1998.. 28 404	1 442 156	1 133 210	308 946	1
		1997.. 26 156	1 315 575	1 020 473	295 102	X
332112	Nonferrous forging	1999.. 9 570	491 136	377 766	113 370	3
		1998.. 9 258	466 316	353 955	112 361	1
		1997.. 8 991	466 903	363 301	103 602	X
332114	Custom roll forming	1999.. 15 869	659 596	537 341	122 255	2
		1998.. 15 538	678 371	542 067	136 304	7
		1997.. 15 852	643 609	522 950	120 659	X
332115	Crown & closure mfg	1999.. 4 131	198 023	158 597	39 427	1
		1998.. 3 757	201 664	155 817	45 847	8
		1997.. 4 576	211 797	161 511	50 286	X
332116	Metal stamping	1999.. 96 182	3 890 413	3 204 131	686 281	1
		1998.. 95 402	3 872 690	3 159 060	713 630	1
		1997.. 92 511	3 711 681	3 022 396	689 285	X
332117	Powder metallurgy part mfg	1999.. 10 288	458 618	363 350	95 268	8
		1998.. 11 212	484 912	393 062	91 849	1
		1997.. 10 858	454 523	371 007	83 516	X
3322	Cutlery & handtool mfg	1999.. 78 538	3 253 795	2 571 141	682 654	1
		1998.. 77 814	3 272 316	2 575 141	697 174	2
		1997.. 77 337	3 170 174	2 484 032	686 142	X
33221	Cutlery & handtool mfg	1999.. 78 538	3 253 795	2 571 141	682 654	1
		1998.. 77 814	3 272 316	2 575 141	697 174	2
		1997.. 77 337	3 170 174	2 484 032	686 142	X
332211	Cutlery & flatware (except precious) mfg	1999.. 9 851	439 823	331 719	108 104	2
		1998.. 10 233	451 091	336 432	114 659	1
		1997.. 10 301	442 845	331 471	111 374	X
332212	Hand & edge tool mfg	1999.. 52 576	2 118 581	1 694 399	424 183	2
		1998.. 51 362	2 149 352	1 709 131	440 222	2
		1997.. 50 598	2 069 767	1 639 098	430 669	X
332213	Saw blade & handsaw mfg	1999.. 9 688	427 553	338 409	89 144	3
		1998.. 9 168	391 975	312 386	79 590	19
		1997.. 9 127	383 421	300 001	83 420	X
332214	Kitchen utensil, pot, & pan mfg	1999.. 6 422	267 838	206 614	61 223	2
		1998.. 7 050	279 897	217 193	62 703	5
		1997.. 7 311	274 141	213 462	60 679	X
3323	Architectural & structural metals mfg	1999.. 411 745	15 756 364	12 919 327	2 837 037	1
		1998.. 396 089	15 017 575	12 255 149	2 762 426	1
		1997.. 381 573	14 069 748	11 447 903	2 621 845	X
33231	Plate work & fabricated structural product mfg ...	1999.. 155 553	6 318 814	5 148 880	1 169 933	2
		1998.. 148 496	5 900 082	4 797 731	1 102 351	1
		1997.. 144 843	5 580 464	4 528 931	1 051 533	X
332311	Prefabricated metal building & component mfg	1999.. 28 508	1 083 000	883 643	199 357	4
		1998.. 26 465	1 011 889	835 808	176 081	4
		1997.. 27 167	963 718	798 192	165 526	X
332312	Fabricated structural metal mfg	1999.. 101 498	4 221 164	3 433 035	788 129	3
		1998.. 96 408	3 889 333	3 149 886	739 447	1
		1997.. 92 471	3 641 460	2 942 908	698 552	X
332313	Plate work mfg	1999.. 25 547	1 014 650	832 203	182 447	2
		1998.. 25 624	998 861	812 038	186 823	2
		1997.. 25 205	975 286	787 831	187 455	X
33232	Ornamental & architectural metal products mfg ...	1999.. 256 192	9 437 550	7 770 447	1 667 103	1
		1998.. 247 592	9 117 493	7 457 418	1 660 075	1
		1997.. 236 730	8 489 284	6 918 972	1 570 312	X
332321	Metal window & door mfg	1999.. 84 093	2 773 283	2 270 209	503 074	2
		1998.. 77 916	2 597 321	2 121 416	475 905	1
		1997.. 74 063	2 384 533	1 941 363	443 170	X
332322	Sheet metal work mfg	1999.. 133 664	5 281 402	4 367 792	913 610	2
		1998.. 133 229	5 189 194	4 255 130	934 063	1
		1997.. 127 791	4 887 288	3 991 922	895 366	X
332323	Ornamental & architectural metal work mfg	1999.. 38 435	1 382 865	1 132 446	250 419	2
		1998.. 36 447	1 330 979	1 080 872	250 107	1
		1997.. 34 876	1 217 463	985 687	231 776	X
3324	Boiler, tank, & shipping container mfg	1999.. 99 670	4 683 057	3 701 888	981 169	1
		1998.. 102 038	4 770 541	3 779 201	991 340	1
		1997.. 102 191	4 628 031	3 675 396	952 635	X
33241	Power boiler & heat exchanger mfg	1999.. 26 149	1 113 963	898 206	215 757	2
		1998.. 28 604	1 236 906	999 352	237 554	5
		1997.. 27 576	1 184 713	947 859	236 854	X
332410	Power boiler & heat exchanger mfg	1999.. 26 149	1 113 963	898 206	215 757	2
		1998.. 28 604	1 236 906	999 352	237 554	5
		1997.. 27 576	1 184 713	947 859	236 854	X
33242	Metal tank (heavy gauge) mfg	1999.. 32 642	1 461 802	1 188 386	273 416	3
		1998.. 32 556	1 430 018	1 155 777	274 241	2
		1997.. 33 300	1 399 113	1 129 336	269 777	X
332420	Metal tank (heavy gauge) mfg	1999.. 32 642	1 461 802	1 188 386	273 416	3
		1998.. 32 556	1 430 018	1 155 777	274 241	2
		1997.. 33 300	1 399 113	1 129 336	269 777	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
332	Fabricated metal product mfg—Con.					
3324	Boiler, tank, & shipping container mfg—Con.					
33243	Metal can, box, & other metal container (light gauge) mfg	1999.. 40 879	2 107 291	1 615 296	491 996	1
		1998.. 40 879	2 103 617	1 624 072	479 545	1
		1997.. 41 315	2 044 205	1 598 201	446 004	X
332431	Metal can mfg	1999.. 24 591	1 488 023	1 109 274	378 748	1
		1998.. 25 098	1 488 389	1 124 249	364 140	1
		1997.. 26 747	1 504 304	1 167 821	336 483	X
332439	Other metal container mfg	1999.. 16 288	619 269	506 021	113 247	3
		1998.. 15 780	615 228	499 822	115 406	3
		1997.. 14 568	539 901	430 380	109 521	X
3325	Hardware mfg	1999.. 72 002	2 963 844	2 351 928	611 916	2
		1998.. 73 075	2 887 552	2 273 941	613 611	1
		1997.. 75 437	2 974 174	2 327 164	647 010	X
33251	Hardware mfg	1999.. 72 002	2 963 844	2 351 928	611 916	2
		1998.. 73 075	2 887 552	2 273 941	613 611	1
		1997.. 75 437	2 974 174	2 327 164	647 010	X
332510	Hardware mfg	1999.. 72 002	2 963 844	2 351 928	611 916	2
		1998.. 73 075	2 887 552	2 273 941	613 611	1
		1997.. 75 437	2 974 174	2 327 164	647 010	X
3326	Spring & wire product mfg	1999.. 72 381	2 536 481	2 085 544	450 937	2
		1998.. 71 581	2 543 210	2 067 379	475 831	2
		1997.. 70 193	2 352 897	1 906 503	446 394	X
33261	Spring & wire product mfg	1999.. 72 381	2 536 481	2 085 544	450 937	2
		1998.. 71 581	2 543 210	2 067 379	475 831	2
		1997.. 70 193	2 352 897	1 906 503	446 394	X
332611	Spring (heavy gauge) mfg	1999.. 5 785	241 466	199 268	42 198	4
		1998.. 6 144	264 729	215 557	49 172	1
		1997.. 5 581	227 011	183 180	43 831	X
332612	Spring (light gauge) mfg	1999.. 20 397	760 106	623 407	136 698	5
		1998.. 20 013	767 530	613 324	154 206	5
		1997.. 18 798	698 818	564 372	134 446	X
332618	Other fabricated wire product mfg	1999.. 46 199	1 534 909	1 262 868	272 041	2
		1998.. 45 424	1 510 951	1 238 498	272 453	3
		1997.. 45 814	1 427 068	1 158 951	268 117	X
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1999.. 423 827	17 358 364	14 511 862	2 846 502	1
		1998.. 440 840	17 553 397	14 611 494	2 941 903	1
		1997.. 423 004	16 901 344	14 029 104	2 872 240	X
33271	Machine shops	1999.. 290 997	11 524 445	9 738 305	1 786 140	1
		1998.. 303 126	11 691 058	9 844 537	1 846 521	1
		1997.. 289 437	11 244 072	9 446 782	1 797 290	X
332710	Machine shops	1999.. 290 997	11 524 445	9 738 305	1 786 140	1
		1998.. 303 126	11 691 058	9 844 537	1 846 521	1
		1997.. 289 437	11 244 072	9 446 782	1 797 290	X
33272	Turned product & screw, nut, & bolt mfg	1999.. 132 830	5 833 919	4 773 557	1 060 362	1
		1998.. 137 714	5 862 339	4 766 957	1 095 382	1
		1997.. 133 567	5 657 272	4 582 322	1 074 950	X
332721	Precision turned product mfg	1999.. 77 606	3 233 259	2 690 116	543 143	2
		1998.. 81 380	3 308 644	2 720 775	587 869	2
		1997.. 80 225	3 205 945	2 629 738	576 207	X
332722	Bolt, nut, screw, rivet, & washer mfg	1999.. 55 224	2 600 660	2 083 441	517 218	2
		1998.. 56 334	2 553 695	2 046 182	507 513	1
		1997.. 53 342	2 451 327	1 952 584	498 743	X
3328	Coating, engraving, heat treating, & allied activities	1999.. 155 453	5 788 830	4 777 541	1 011 288	1
		1998.. 159 122	5 887 255	4 817 728	1 069 527	1
		1997.. 152 884	5 507 410	4 513 791	993 619	X
33281	Coating, engraving, heat treating, & allied activities	1999.. 155 453	5 788 830	4 777 541	1 011 288	1
		1998.. 159 122	5 887 255	4 817 728	1 069 527	1
		1997.. 152 884	5 507 410	4 513 791	993 619	X
332811	Metal heat treating	1999.. 23 395	1 030 352	847 732	182 620	3
		1998.. 23 482	1 075 775	872 238	203 537	2
		1997.. 22 299	976 987	789 233	187 754	X
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1999.. 59 014	2 191 743	1 791 914	399 829	3
		1998.. 60 476	2 180 917	1 764 582	416 335	1
		1997.. 55 954	2 007 386	1 634 627	372 759	X
332813	Electroplating, plating, polishing, anodizing, & coloring	1999.. 73 044	2 566 734	2 137 895	428 839	2
		1998.. 75 163	2 630 563	2 180 909	449 654	2
		1997.. 74 631	2 523 037	2 089 931	433 106	X
3329	Other fabricated metal product mfg	1999.. 323 112	14 336 239	11 345 969	2 990 270	1
		1998.. 327 102	14 296 997	11 226 321	3 070 676	1
		1997.. 322 209	13 684 837	10 786 052	2 898 785	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
332	Fabricated metal product mfg—Con.					
3329	Other fabricated metal product mfg—Con.					
33291	Metal valve mfg	1999.. 124 053	5 689 671	4 458 306	1 231 365	1
		1998.. 127 695	5 798 006	4 492 996	1 305 009	1
		1997.. 126 245	5 582 567	4 364 424	1 218 143	X
332911	Industrial valve mfg	1999.. 53 636	2 556 483	2 004 984	551 498	1
		1998.. 56 237	2 636 316	2 055 360	580 956	3
		1997.. 54 294	2 468 545	1 947 182	521 363	X
332912	Fluid power valve & hose fitting mfg	1999.. 38 398	1 830 799	1 425 816	404 983	2
		1998.. 38 757	1 829 383	1 398 063	431 319	1
		1997.. 37 280	1 742 047	1 327 456	414 591	X
332913	Plumbing fixture fitting & trim mfg	1999.. 15 653	618 822	485 365	133 457	2
		1998.. 15 651	644 015	499 276	144 739	4
		1997.. 16 133	636 976	498 551	138 425	X
332919	Other metal valve & pipe fitting mfg	1999.. 16 367	683 568	542 140	141 427	3
		1998.. 17 051	688 291	540 297	147 994	4
		1997.. 18 538	734 999	591 235	143 764	X
33299	All other fabricated metal product mfg	1999.. 199 059	8 646 568	6 887 663	1 758 905	1
		1998.. 199 406	8 498 992	6 733 325	1 765 667	1
		1997.. 195 964	8 102 270	6 421 628	1 680 642	X
332991	Ball & roller bearing mfg	1999.. 35 694	1 859 973	1 417 749	442 224	1
		1998.. 36 948	1 843 148	1 402 650	440 498	1
		1997.. 36 547	1 783 428	1 368 804	414 624	X
332992	Small arms ammunition mfg	1999.. 7 298	357 251	277 616	79 635	1
		1998.. 7 145	333 880	257 981	75 898	1
		1997.. 7 135	325 162	254 731	70 431	X
332993	Ammunition (except small arms) mfg	1999.. 8 838	452 278	351 269	101 009	2
		1998.. 9 487	491 306	381 724	109 583	1
		1997.. 9 281	476 916	371 808	105 108	X
332994	Small arms mfg	1999.. 9 876	415 864	325 358	90 506	2
		1998.. 9 616	412 621	321 025	91 597	1
		1997.. 9 841	414 965	319 663	95 302	X
332995	Other ordnance & accessories mfg	1999.. 8 614	453 999	365 990	88 009	3
		1998.. 8 722	462 780	377 751	85 029	1
		1997.. 8 545	456 867	362 201	94 666	X
332996	Fabricated pipe & pipe fitting mfg	1999.. 30 436	1 157 398	954 009	203 390	3
		1998.. 30 096	1 139 402	931 846	207 556	2
		1997.. 29 746	1 077 722	879 723	197 999	X
332997	Industrial pattern mfg	1999.. 7 359	340 393	284 202	56 191	2
		1998.. 8 101	375 839	317 545	58 294	4
		1997.. 7 952	342 110	284 879	57 231	X
332998	Enameled iron & metal sanitary ware mfg	1999.. 9 510	422 801	324 862	97 939	2
		1998.. 9 947	418 773	321 355	97 418	1
		1997.. 9 792	355 498	275 889	79 609	X
332999	All other miscellaneous fabricated metal product mfg	1999.. 81 433	3 186 611	2 586 608	600 003	2
		1998.. 79 345	3 021 242	2 421 448	599 794	2
		1997.. 77 125	2 869 602	2 303 930	565 672	X
333	Machinery mfg	1999.. 1 400 509	67 112 433	53 801 769	13 310 664	1
		1998.. 1 433 463	67 673 133	54 038 645	13 634 488	1
		1997.. 1 420 512	66 367 624	53 012 226	13 355 398	X
3331	Agriculture, construction, & mining machinery mfg ..	1999.. 202 068	9 663 628	7 384 599	2 279 029	1
		1998.. 211 728	10 261 496	7 873 191	2 388 306	1
		1997.. 211 200	10 052 141	7 689 706	2 362 435	X
33311	Agricultural implement mfg	1999.. 85 789	3 832 559	2 849 291	983 268	1
		1998.. 93 568	4 164 598	3 125 846	1 038 753	1
		1997.. 94 711	4 125 597	3 102 280	1 023 317	X
333111	Farm machinery & equipment mfg	1999.. 59 233	2 840 600	2 093 769	746 830	2
		1998.. 66 312	3 183 578	2 385 716	797 862	1
		1997.. 66 370	3 173 064	2 370 599	802 465	X
333112	Lawn & garden tractor & home lawn & garden equipment mfg	1999.. 26 557	991 959	755 521	236 438	1
		1998.. 27 255	981 020	740 129	240 891	1
		1997.. 28 341	952 533	731 681	220 852	X
33312	Construction machinery mfg	1999.. 76 017	3 912 301	2 993 481	918 820	2
		1998.. 74 353	3 989 944	3 058 775	931 169	1
		1997.. 74 741	3 931 170	2 990 139	941 031	X
333120	Construction machinery mfg	1999.. 76 017	3 912 301	2 993 481	918 820	2
		1998.. 74 353	3 989 944	3 058 775	931 169	1
		1997.. 74 741	3 931 170	2 990 139	941 031	X
33313	Mining & oil & gas field machinery mfg	1999.. 40 262	1 918 768	1 541 827	376 941	5
		1998.. 43 808	2 106 954	1 688 570	418 384	1
		1997.. 41 748	1 995 374	1 597 287	398 087	X
333131	Mining machinery & equipment mfg	1999.. 12 928	579 506	452 623	126 883	3
		1998.. 14 599	657 603	520 958	136 645	3
		1997.. 13 507	614 312	485 338	128 974	X
333132	Oil & gas field machinery & equipment mfg	1999.. 27 334	1 339 262	1 089 204	250 058	7
		1998.. 29 209	1 449 351	1 167 612	281 739	1
		1997.. 28 241	1 381 062	1 111 949	269 113	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
333	Machinery mfg—Con.					
3332	Industrial machinery mfg	1999.. 185 703	9 279 927	7 552 918	1 727 009	1
		1998.. 197 811	9 472 758	7 699 600	1 773 158	1
		1997.. 194 210	9 401 439	7 616 113	1 785 326	X
33321	Sawmill & woodworking machinery mfg	1999.. 8 808	380 562	311 785	68 776	3
		1998.. 9 227	401 187	318 015	83 172	7
		1997.. 8 973	368 227	297 430	70 797	X
333210	Sawmill & woodworking machinery mfg	1999.. 8 808	380 562	311 785	68 776	3
		1998.. 9 227	401 187	318 015	83 172	7
		1997.. 8 973	368 227	297 430	70 797	X
33322	Plastics & rubber industry machinery mfg	1999.. 18 267	932 773	748 711	184 062	3
		1998.. 18 783	895 961	719 535	176 426	2
		1997.. 18 530	931 124	741 819	189 305	X
333220	Plastics & rubber industry machinery mfg	1999.. 18 267	932 773	748 711	184 062	3
		1998.. 18 783	895 961	719 535	176 426	2
		1997.. 18 530	931 124	741 819	189 305	X
33329	Other industrial machinery mfg	1999.. 158 628	7 966 592	6 492 421	1 474 171	1
		1998.. 169 800	8 175 610	6 662 050	1 513 560	1
		1997.. 166 707	8 102 088	6 576 864	1 525 224	X
333291	Paper industry machinery mfg	1999.. 16 144	903 102	727 450	175 652	4
		1998.. 18 539	956 958	771 823	185 135	2
		1997.. 18 313	950 710	761 458	189 252	X
333292	Textile machinery mfg	1999.. 12 635	512 717	426 169	86 548	3
		1998.. 12 813	525 769	441 680	84 088	5
		1997.. 13 511	532 977	445 381	87 596	X
333293	Printing machinery & equipment mfg	1999.. 19 623	1 053 580	863 097	190 483	2
		1998.. 21 140	1 070 881	871 206	199 675	1
		1997.. 22 390	1 128 250	924 863	203 387	X
333294	Food product machinery mfg	1999.. 19 119	893 707	725 190	168 518	3
		1998.. 19 054	894 064	728 644	165 420	3
		1997.. 18 898	873 510	711 852	161 658	X
333295	Semiconductor machinery mfg	1999.. 37 247	2 010 766	1 634 314	376 451	2
		1998.. 43 995	2 200 444	1 777 586	422 858	2
		1997.. 40 104	2 128 563	1 702 788	425 775	X
333298	All other industrial machinery mfg	1999.. 53 860	2 592 721	2 116 200	476 521	2
		1998.. 54 259	2 527 495	2 071 112	456 383	3
		1997.. 53 491	2 488 078	2 030 522	457 556	X
3333	Commercial & service industry machinery mfg	1999.. 127 649	5 848 529	4 695 799	1 152 730	2
		1998.. 129 557	5 839 291	4 694 721	1 144 570	1
		1997.. 129 691	5 828 694	4 698 826	1 129 868	X
33331	Commercial & service industry machinery mfg ...	1999.. 127 649	5 848 529	4 695 799	1 152 730	2
		1998.. 129 557	5 839 291	4 694 721	1 144 570	1
		1997.. 129 691	5 828 694	4 698 826	1 129 868	X
333311	Automatic vending machine mfg	1999.. 9 494	327 849	261 928	65 921	5
		1998.. 8 806	283 382	224 858	58 524	2
		1997.. 8 220	270 777	216 397	54 380	X
333312	Commercial laundry, drycleaning, & pressing machine mfg	1999.. 4 249	159 108	129 929	29 179	5
		1998.. 4 434	164 671	134 405	30 266	1
		1997.. 4 523	168 346	136 783	31 563	X
333313	Office machinery mfg	1999.. 12 684	465 623	384 493	81 130	4
		1998.. 13 403	516 403	434 135	82 268	3
		1997.. 14 586	529 686	452 165	77 521	X
333314	Optical instrument & lens mfg	1999.. 22 345	1 148 774	934 046	214 727	7
		1998.. 20 397	1 021 058	841 457	179 602	3
		1997.. 20 351	993 429	812 428	181 001	X
333315	Photographic & photocopying equipment mfg ..	1999.. 20 128	1 120 589	883 789	236 800	2
		1998.. 23 611	1 305 290	1 030 362	274 928	1
		1997.. 24 143	1 346 211	1 074 710	271 501	X
333319	Other commercial & service industry machinery mfg	1999.. 58 750	2 626 586	2 101 614	524 972	1
		1998.. 58 906	2 548 486	2 029 504	518 982	1
		1997.. 57 868	2 520 245	2 006 343	513 902	X
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 179 404	7 283 979	5 797 842	1 486 137	2
		1998.. 174 324	6 931 769	5 504 294	1 427 475	1
		1997.. 174 136	6 710 638	5 344 894	1 365 744	X
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 179 404	7 283 979	5 797 842	1 486 137	2
		1998.. 174 324	6 931 769	5 504 294	1 427 475	1
		1997.. 174 136	6 710 638	5 344 894	1 365 744	X
333411	Air purification equipment mfg	1999.. 15 650	529 298	435 773	93 526	4
		1998.. 16 270	564 504	464 383	100 121	2
		1997.. 16 447	581 954	479 162	102 792	X
333412	Industrial & commercial fan & blower mfg	1999.. 15 675	628 705	513 224	115 480	3
		1998.. 14 534	585 936	476 050	109 887	7
		1997.. 13 706	528 128	431 622	96 506	X
333414	Heating equipment (except warm air furnaces) mfg	1999.. 24 532	997 814	801 106	196 708	3
		1998.. 23 510	900 198	719 194	181 003	3
		1997.. 24 597	936 247	755 114	181 133	X
333415	AC & warm air heating & commercial/industrial refig equip mfg	1999.. 123 547	5 128 162	4 047 739	1 080 423	2
		1998.. 120 011	4 881 131	3 844 667	1 036 464	1
		1997.. 119 386	4 664 309	3 678 996	985 313	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
333	Machinery mfg—Con.					
3335	Metalworking machinery mfg	1999.. 241 066	11 877 589	9 858 448	2 019 141	1
		1998.. 247 187	12 132 672	10 002 017	2 130 655	1
		1997.. 242 963	11 902 914	9 827 519	2 075 395	X
33351	Metalworking machinery mfg	1999.. 241 066	11 877 589	9 858 448	2 019 141	1
		1998.. 247 187	12 132 672	10 002 017	2 130 655	1
		1997.. 242 963	11 902 914	9 827 519	2 075 395	X
333511	Industrial mold mfg	1999.. 50 485	2 503 359	2 106 469	396 889	2
		1998.. 48 931	2 480 114	2 072 760	407 353	1
		1997.. 48 113	2 467 952	2 067 403	400 549	X
333512	Machine tool (metal cutting types) mfg	1999.. 26 292	1 469 581	1 201 510	268 072	3
		1998.. 27 539	1 476 253	1 196 365	279 888	1
		1997.. 29 577	1 572 796	1 274 460	298 336	X
333513	Machine tool (metal forming types) mfg	1999.. 13 545	737 886	596 008	141 878	3
		1998.. 15 154	792 998	640 710	152 288	2
		1997.. 14 141	737 492	596 804	140 688	X
333514	Special die & tool, die set, jig, & fixture mfg	1999.. 80 455	3 835 572	3 222 767	612 805	2
		1998.. 82 269	3 915 690	3 274 181	641 509	1
		1997.. 79 994	3 857 540	3 226 074	631 466	X
333515	Cutting tool & machine tool accessory mfg	1999.. 46 284	2 014 363	1 634 356	390 007	2
		1998.. 49 706	2 126 735	1 712 647	414 088	1
		1997.. 48 017	2 033 357	1 644 426	388 931	X
333516	Rolling mill machinery & equipment mfg	1999.. 3 102	155 195	127 447	27 748	6
		1998.. 4 290	219 452	179 144	40 308	5
		1997.. 4 149	206 589	167 312	39 277	X
333518	Other metalworking machinery mfg	1999.. 20 904	1 161 631	969 890	191 742	2
		1998.. 19 298	1 121 431	926 210	195 221	3
		1997.. 18 972	1 027 188	851 040	176 148	X
3336	Engine, turbine, & power transmission equipment mfg	1999.. 116 856	6 403 287	5 004 336	1 398 951	1
		1998.. 112 399	6 088 767	4 704 387	1 384 381	1
		1997.. 113 802	6 002 034	4 638 042	1 363 992	X
33361	Engine, turbine, & power transmission equipment mfg	1999.. 116 856	6 403 287	5 004 336	1 398 951	1
		1998.. 112 399	6 088 767	4 704 387	1 384 381	1
		1997.. 113 802	6 002 034	4 638 042	1 363 992	X
333611	Turbine & turbine generator set unit mfg	1999.. 19 376	1 145 548	921 023	224 525	3
		1998.. 18 062	1 060 394	837 210	223 184	1
		1997.. 19 529	1 156 469	910 316	246 153	X
333612	Speed changer, industrial high-speed drive, & gear mfg	1999.. 16 054	788 728	628 878	159 851	4
		1998.. 15 784	766 257	607 540	158 717	1
		1997.. 16 182	752 318	594 251	158 067	X
333613	Mechanical power transmission equipment mfg	1999.. 22 813	1 028 865	802 707	226 158	5
		1998.. 21 713	1 006 186	788 564	217 622	1
		1997.. 21 271	967 374	759 037	208 337	X
333618	Other engine equipment mfg	1999.. 58 613	3 440 146	2 651 729	788 417	1
		1998.. 56 839	3 255 931	2 471 072	784 858	1
		1997.. 56 820	3 125 873	2 374 438	751 435	X
3339	Other general-purpose machinery mfg	1999.. 347 762	16 755 495	13 507 828	3 247 667	1
		1998.. 360 458	16 946 380	13 560 436	3 385 944	1
		1997.. 354 510	16 469 764	13 197 126	3 272 638	X
33391	Pump & compressor mfg	1999.. 64 274	3 237 560	2 585 999	651 561	1
		1998.. 69 611	3 419 585	2 691 140	728 445	2
		1997.. 67 263	3 254 783	2 571 850	682 933	X
333911	Pump & pumping equipment mfg	1999.. 34 833	1 777 571	1 430 501	347 070	2
		1998.. 37 234	1 882 821	1 491 460	391 361	3
		1997.. 36 020	1 758 992	1 402 147	356 845	X
333912	Air & gas compressor mfg	1999.. 22 557	1 122 301	890 315	231 986	2
		1998.. 25 925	1 214 103	947 337	266 766	2
		1997.. 24 582	1 182 984	925 655	257 329	X
333913	Measuring & dispensing pump mfg	1999.. 6 883	337 688	265 183	72 505	1
		1998.. 6 452	322 660	252 342	70 318	1
		1997.. 6 661	312 807	244 048	68 759	X
33392	Material handling equipment mfg	1999.. 96 338	4 541 423	3 677 691	863 732	2
		1998.. 94 390	4 280 904	3 447 418	833 486	1
		1997.. 92 600	4 148 226	3 330 707	817 519	X
333921	Elevator & moving stairway mfg	1999.. 9 547	429 617	346 931	82 686	3
		1998.. 9 489	414 813	333 280	81 533	4
		1997.. 9 442	428 381	340 525	87 856	X
333922	Conveyor & conveying equipment mfg	1999.. 39 375	2 046 518	1 675 605	370 912	2
		1998.. 39 134	1 912 030	1 551 065	360 964	3
		1997.. 39 421	1 894 745	1 531 932	362 813	X
333923	Overhead traveling crane, hoist, & monorail system mfg	1999.. 20 500	886 606	713 098	173 508	8
		1998.. 18 993	784 286	618 890	165 395	1
		1997.. 17 784	715 388	564 482	150 906	X
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	1999.. 26 916	1 178 683	942 057	236 625	2
		1998.. 26 774	1 169 776	944 182	225 594	1
		1997.. 25 953	1 109 712	893 768	215 944	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
333	Machinery mfg—Con.					
3339	Other general-purpose machinery mfg—Con.					
33399	All other general-purpose machinery mfg	1999.. 187 150	8 976 512	7 244 138	1 732 374	1
		1998.. 196 457	9 245 891	7 421 878	1 824 013	1
		1997.. 194 647	9 066 755	7 294 569	1 772 186	X
333991	Power-driven handtool mfg	1999.. 17 087	700 649	546 166	154 483	1
		1998.. 16 793	709 454	553 440	156 015	1
		1997.. 16 816	676 296	531 378	144 918	X
333992	Welding & soldering equipment mfg	1999.. 18 626	935 611	756 615	178 996	3
		1998.. 21 128	1 032 332	840 387	191 945	1
		1997.. 22 505	1 114 116	918 180	195 936	X
333993	Packaging machinery mfg	1999.. 30 567	1 554 376	1 275 128	279 248	2
		1998.. 32 385	1 613 321	1 307 899	305 423	1
		1997.. 32 109	1 577 209	1 278 345	298 864	X
333994	Industrial process furnace & oven mfg	1999.. 16 530	752 088	608 939	143 149	3
		1998.. 17 929	830 133	670 345	159 788	2
		1997.. 17 575	814 914	657 327	157 587	X
333995	Fluid power cylinder & actuator mfg	1999.. 24 853	1 268 933	993 957	274 976	2
		1998.. 24 484	1 247 313	965 324	281 989	1
		1997.. 23 030	1 170 843	898 428	272 415	X
333996	Fluid power pump & motor mfg	1999.. 15 725	789 593	613 283	176 310	2
		1998.. 17 189	850 372	672 415	177 956	1
		1997.. 15 963	787 383	620 397	166 986	X
333997	Scale & balance (except laboratory) mfg	1999.. 4 910	202 395	162 454	39 941	10
		1998.. 4 849	199 227	157 030	42 196	6
		1997.. 4 856	190 839	148 487	42 352	X
333999	All other miscellaneous general-purpose machinery mfg	1999.. 58 851	2 772 868	2 287 596	485 272	1
		1998.. 61 699	2 763 740	2 255 037	508 703	1
		1997.. 61 793	2 735 155	2 242 027	493 128	X
334	Computer & electronic product mfg	1999.. 1 620 627	91 728 697	75 129 515	16 599 182	1
		1998.. 1 686 623	91 167 837	73 976 389	17 191 448	1
		1997.. 1 691 146	89 471 578	72 483 848	16 987 730	X
3341	Computer & peripheral equipment mfg	1999.. 217 204	13 565 871	11 432 671	2 133 200	2
		1998.. 239 921	13 646 582	11 233 494	2 413 088	2
		1997.. 240 307	13 284 865	10 899 245	2 385 620	X
33411	Computer & peripheral equipment mfg	1999.. 217 204	13 565 871	11 432 671	2 133 200	2
		1998.. 239 921	13 646 582	11 233 494	2 413 088	2
		1997.. 240 307	13 284 865	10 899 245	2 385 620	X
334111	Electronic computer mfg	1999.. 84 719	5 482 617	4 758 406	724 211	1
		1998.. 95 806	5 132 254	4 277 845	854 409	1
		1997.. 99 427	5 195 503	4 239 347	956 156	X
334112	Computer storage device mfg	1999.. 41 371	2 230 771	1 786 205	444 566	1
		1998.. 45 361	2 565 852	2 066 595	499 258	1
		1997.. 42 012	2 345 847	1 910 310	435 537	X
334113	Computer terminal mfg	1999.. 4 068	188 933	157 597	31 336	7
		1998.. 5 167	262 714	218 247	44 466	5
		1997.. 5 764	303 566	253 086	50 480	X
334119	Other computer peripheral equipment mfg	1999.. 87 046	5 663 550	4 730 464	933 087	5
		1998.. 93 587	5 685 762	4 670 807	1 014 954	4
		1997.. 93 104	5 439 949	4 496 502	943 447	X
3342	Communications equipment mfg	1999.. 285 500	17 811 825	14 553 402	3 258 423	1
		1998.. 286 973	17 004 965	13 804 299	3 200 666	1
		1997.. 294 865	17 013 352	13 826 630	3 186 722	X
33421	Telephone apparatus mfg	1999.. 105 604	7 141 286	5 849 861	1 291 425	2
		1998.. 101 364	6 681 506	5 378 812	1 302 695	1
		1997.. 103 874	6 635 405	5 377 394	1 258 011	X
334210	Telephone apparatus mfg	1999.. 105 604	7 141 286	5 849 861	1 291 425	2
		1998.. 101 364	6 681 506	5 378 812	1 302 695	1
		1997.. 103 874	6 635 405	5 377 394	1 258 011	X
33422	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 154 578	9 503 979	7 749 342	1 754 637	1
		1998.. 161 264	9 207 098	7 514 117	1 692 982	1
		1997.. 166 801	9 309 679	7 572 853	1 736 826	X
334220	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 154 578	9 503 979	7 749 342	1 754 637	1
		1998.. 161 264	9 207 098	7 514 117	1 692 982	1
		1997.. 166 801	9 309 679	7 572 853	1 736 826	X
33429	Other communications equipment mfg	1999.. 25 319	1 166 560	954 199	212 361	2
		1998.. 24 345	1 116 360	911 371	204 989	1
		1997.. 24 190	1 068 268	876 383	191 885	X
334290	Other communications equipment mfg	1999.. 25 319	1 166 560	954 199	212 361	2
		1998.. 24 345	1 116 360	911 371	204 989	1
		1997.. 24 190	1 068 268	876 383	191 885	X
3343	Audio & video equipment mfg	1999.. 29 614	1 203 110	983 810	219 300	3
		1998.. 32 373	1 201 552	958 676	242 876	2
		1997.. 30 306	1 151 516	918 069	233 447	X
33431	Audio & video equipment mfg	1999.. 29 614	1 203 110	983 810	219 300	3
		1998.. 32 373	1 201 552	958 676	242 876	2
		1997.. 30 306	1 151 516	918 069	233 447	X
334310	Audio & video equipment mfg	1999.. 29 614	1 203 110	983 810	219 300	3
		1998.. 32 373	1 201 552	958 676	242 876	2
		1997.. 30 306	1 151 516	918 069	233 447	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
334	Computer & electronic product mfg—Con.					
3344	Semiconductor & other electronic component mfg ..					
	1999..	581 138	28 951 627	23 696 731	5 254 896	1
	1998..	585 395	27 458 385	22 320 889	5 137 496	1
	1997..	587 313	27 196 768	22 142 761	5 054 007	X
33441	Semiconductor & other electronic component mfg					
	1999..	581 138	28 951 627	23 696 731	5 254 896	1
	1998..	585 395	27 458 385	22 320 889	5 137 496	1
	1997..	587 313	27 196 768	22 142 761	5 054 007	X
334411	Electron tube mfg					
	1999..	17 776	852 215	663 279	188 935	1
	1998..	21 443	949 837	736 774	213 063	1
	1997..	21 656	934 729	726 712	208 017	X
334412	Bare printed circuit board mfg					
	1999..	81 506	3 205 754	2 665 421	540 333	3
	1998..	78 774	2 884 516	2 395 819	488 697	1
	1997..	72 282	2 532 565	2 110 176	422 389	X
334413	Semiconductor & related device mfg					
	1999..	213 857	14 259 786	11 684 211	2 575 575	1
	1998..	203 058	12 882 844	10 449 335	2 433 509	1
	1997..	199 037	12 371 162	10 101 783	2 269 379	X
334414	Electronic capacitor mfg					
	1999..	16 191	609 163	481 969	127 194	3
	1998..	18 197	640 899	510 415	130 484	1
	1997..	19 317	673 062	539 446	133 616	X
334415	Electronic resistor mfg					
	1999..	9 811	347 856	281 503	66 353	3
	1998..	10 755	358 087	288 205	69 882	2
	1997..	11 624	376 350	305 365	70 985	X
334416	Electronic coil, transformer, & other inductor mfg					
	1999..	17 508	531 630	435 477	96 153	3
	1998..	19 034	575 387	467 118	108 269	2
	1997..	18 999	553 843	450 514	103 329	X
334417	Electronic connector mfg					
	1999..	34 482	1 386 105	1 130 644	255 461	3
	1998..	39 358	1 479 615	1 187 395	292 220	3
	1997..	37 589	1 465 298	1 171 568	293 730	X
334418	Printed circuit assembly (electronic assembly) mfg					
	1999..	100 553	4 325 114	3 533 944	791 170	2
	1998..	104 960	4 328 232	3 549 080	779 151	2
	1997..	115 076	4 954 244	4 007 610	946 634	X
334419	Other electronic component mfg					
	1999..	89 453	3 434 003	2 820 282	613 721	2
	1998..	89 815	3 358 967	2 736 746	622 221	1
	1997..	91 733	3 335 515	2 729 587	605 928	X
3345	Navigational, measuring, medical, & control instruments mfg					
	1999..	459 892	28 127 995	22 755 652	5 372 343	1
	1998..	483 865	29 430 021	23 668 120	5 761 901	1
	1997..	484 438	28 556 358	22 843 455	5 712 903	X
33451	Navigational, measuring, medical, & control instruments mfg					
	1999..	459 892	28 127 995	22 755 652	5 372 343	1
	1998..	483 865	29 430 021	23 668 120	5 761 901	1
	1997..	484 438	28 556 358	22 843 455	5 712 903	X
334510	Electromedical & electrotherapeutic apparatus mfg					
	1999..	54 247	3 111 154	2 594 733	516 421	2
	1998..	55 333	3 201 870	2 670 194	531 676	5
	1997..	55 044	3 171 177	2 635 085	536 092	X
334511	Search, detection, navigation, & guidance instrument mfg					
	1999..	168 816	11 896 208	9 540 278	2 355 929	1
	1998..	188 299	12 867 553	10 257 901	2 609 652	1
	1997..	188 225	12 642 907	9 977 629	2 665 278	X
334512	Automatic environmental control mfg					
	1999..	20 681	884 936	702 579	182 357	2
	1998..	20 477	862 359	670 457	191 901	4
	1997..	21 470	858 755	666 464	192 291	X
334513	Industrial process control instrument mfg					
	1999..	45 663	2 353 898	1 921 939	431 959	2
	1998..	46 957	2 460 293	2 013 993	446 300	2
	1997..	48 237	2 412 991	1 958 046	454 945	X
334514	Totalizing fluid meter & counting device mfg ...					
	1999..	15 700	890 498	704 696	185 803	3
	1998..	16 726	889 658	695 847	193 811	1
	1997..	17 155	873 870	666 032	207 838	X
334515	Electricity measuring & testing instrument mfg					
	1999..	64 471	3 911 153	3 176 326	734 827	2
	1998..	63 976	4 037 601	3 222 892	814 709	3
	1997..	63 891	3 782 652	3 045 208	737 444	X
334516	Analytical laboratory instrument mfg					
	1999..	36 378	2 198 758	1 776 871	421 887	2
	1998..	36 278	2 179 165	1 767 898	411 267	1
	1997..	36 820	2 137 988	1 728 708	409 280	X
334517	Irradiation apparatus mfg					
	1999..	12 833	825 508	683 450	142 057	2
	1998..	13 929	835 228	692 336	142 893	1
	1997..	13 547	777 695	642 088	135 607	X
334518	Watch, clock, & part mfg					
	1999..	6 299	250 994	200 660	50 334	4
	1998..	6 521	250 549	199 384	51 165	2
	1997..	6 333	225 441	178 487	46 954	X
334519	Other measuring & controlling device mfg					
	1999..	34 803	1 804 889	1 454 121	350 768	4
	1998..	35 368	1 845 746	1 477 220	368 527	1
	1997..	33 616	1 672 882	1 345 708	327 174	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
334	Computer & electronic product mfg—Con.					
3346	Mfg & reproducing magnetic & optical media	1999.. 47 278	2 068 270	1 707 249	361 021	3
		1998.. 58 097	2 426 331	1 990 910	435 422	2
		1997.. 53 917	2 268 719	1 853 688	415 031	X
33461	Mfg & reproducing magnetic & optical media	1999.. 47 278	2 068 270	1 707 249	361 021	3
		1998.. 58 097	2 426 331	1 990 910	435 422	2
		1997.. 53 917	2 268 719	1 853 688	415 031	X
334611	Software reproducing	1999.. 4 572	273 267	240 175	33 091	22
		1998.. 12 432	544 210	466 143	78 067	5
		1997.. 7 868	365 442	302 863	62 579	X
334612	Prerecorded CD (except software), tape, & record reproducing	1999.. 25 536	962 065	797 059	165 005	5
		1998.. 26 481	987 115	808 900	178 216	1
		1997.. 25 180	904 048	747 551	156 497	X
334613	Magnetic & optical recording media mfg	1999.. 17 170	832 939	670 015	162 924	4
		1998.. 19 184	895 006	715 867	179 139	4
		1997.. 20 869	999 229	803 274	195 955	X
335	Electrical equipment, appliance, & component mfg	1999.. 598 456	25 743 815	20 253 156	5 490 660	1
		1998.. 593 347	24 976 174	19 528 559	5 447 616	1
		1997.. 593 802	24 252 037	18 972 741	5 279 296	X
3351	Electric lighting equipment mfg	1999.. 78 270	2 944 576	2 370 341	574 235	3
		1998.. 72 849	2 730 558	2 170 324	560 234	1
		1997.. 74 987	2 766 409	2 204 508	561 901	X
33511	Electric lamp bulb & part mfg	1999.. 13 072	667 255	498 614	168 641	9
		1998.. 15 946	745 605	556 505	189 100	1
		1997.. 15 903	760 947	574 696	186 251	X
335110	Electric lamp bulb & part mfg	1999.. 13 072	667 255	498 614	168 641	9
		1998.. 15 946	745 605	556 505	189 100	1
		1997.. 15 903	760 947	574 696	186 251	X
33512	Lighting fixture mfg	1999.. 65 199	2 277 321	1 871 728	405 594	3
		1998.. 56 903	1 984 953	1 613 819	371 134	2
		1997.. 59 084	2 005 462	1 629 812	375 650	X
335121	Residential electric lighting fixture mfg	1999.. 19 400	547 230	463 909	83 321	7
		1998.. 17 871	543 866	456 504	87 363	1
		1997.. 17 681	515 454	430 595	84 859	X
335122	Commercial/industrial/institutional electric lighting fixture mfg	1999.. 24 747	886 827	732 554	154 273	4
		1998.. 22 273	788 489	632 564	155 926	1
		1997.. 23 098	811 444	657 592	153 852	X
335129	Other lighting equipment mfg	1999.. 21 052	843 265	675 265	168 000	3
		1998.. 16 759	652 597	524 751	127 846	6
		1997.. 18 305	678 564	541 625	136 939	X
3352	Household appliance mfg	1999.. 97 766	4 130 340	3 135 117	995 223	1
		1998.. 99 531	4 072 038	3 089 525	982 513	1
		1997.. 97 232	3 869 096	2 916 830	952 266	X
33521	Small electrical appliance mfg	1999.. 23 424	868 081	684 059	184 022	3
		1998.. 26 419	957 914	742 960	214 954	1
		1997.. 27 505	967 089	748 041	219 048	X
335211	Electric housewares & household fan mfg	1999.. 13 261	426 992	340 555	86 437	6
		1998.. 15 480	478 357	372 274	106 083	1
		1997.. 17 058	525 830	411 389	114 441	X
335212	Household vacuum cleaner mfg	1999.. 10 163	441 089	343 504	97 585	2
		1998.. 10 939	479 557	370 685	108 871	1
		1997.. 10 447	441 259	336 652	104 607	X
33522	Major appliance mfg	1999.. 74 342	3 262 259	2 451 058	811 201	1
		1998.. 73 113	3 114 125	2 346 565	767 559	1
		1997.. 69 727	2 902 007	2 168 789	733 218	X
335221	Household cooking appliance mfg	1999.. 19 410	719 610	568 687	150 923	1
		1998.. 18 237	659 979	523 078	136 900	8
		1997.. 17 481	607 675	477 587	130 088	X
335222	Household refrigerator & home freezer mfg	1999.. 25 705	1 208 182	873 720	334 462	1
		1998.. 24 921	1 156 227	837 302	318 925	1
		1997.. 24 597	1 117 658	801 717	315 941	X
335224	Household laundry equipment mfg	1999.. 16 071	746 502	556 697	189 806	1
		1998.. 16 740	746 796	565 166	181 630	1
		1997.. 14 801	639 435	480 076	159 359	X
335228	Other major household appliance mfg	1999.. 13 156	587 965	451 955	136 010	1
		1998.. 13 215	551 123	421 019	130 104	1
		1997.. 12 848	537 239	409 409	127 830	X
3353	Electrical equipment mfg	1999.. 206 852	9 220 743	7 275 085	1 945 658	1
		1998.. 205 756	8 973 245	7 013 831	1 959 414	2
		1997.. 209 311	8 758 471	6 845 920	1 912 551	X
33531	Electrical equipment mfg	1999.. 206 852	9 220 743	7 275 085	1 945 658	1
		1998.. 205 756	8 973 245	7 013 831	1 959 414	2
		1997.. 209 311	8 758 471	6 845 920	1 912 551	X
335311	Power, distribution, & specialty transformer mfg	1999.. 25 700	1 063 376	846 373	217 003	2
		1998.. 26 758	1 052 391	831 006	221 385	10
		1997.. 26 897	1 038 573	825 550	213 023	X
335312	Motor & generator mfg	1999.. 73 419	3 007 832	2 329 504	678 328	1
		1998.. 70 105	2 796 529	2 149 600	646 929	3
		1997.. 74 171	2 830 979	2 172 250	658 729	X
335313	Switchgear & switchboard apparatus mfg	1999.. 43 443	2 040 677	1 595 954	444 723	2
		1998.. 41 859	1 956 615	1 507 992	448 623	3
		1997.. 40 358	1 843 863	1 430 985	412 878	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
335	Electrical equipment, appliance, & component mfg—Con.					
3353	Electrical equipment mfg—Con.					
33531	Electrical equipment mfg—Con.					
335314	Relay & industrial control mfg	1999.. 64 288	3 108 858	2 503 253	605 604	1
		1998.. 67 034	3 167 710	2 525 233	642 477	1
		1997.. 67 885	3 045 056	2 417 135	627 921	X
3359	Other electrical equipment & component mfg	1999.. 215 568	9 448 156	7 472 613	1 975 543	1
		1998.. 215 210	9 200 333	7 254 879	1 945 454	1
		1997.. 212 272	8 858 061	7 005 483	1 852 578	X
33591	Battery mfg	1999.. 32 091	1 468 330	1 150 090	318 240	2
		1998.. 30 686	1 378 909	1 061 894	317 015	1
		1997.. 32 507	1 405 994	1 087 746	318 248	X
335911	Storage battery mfg	1999.. 23 018	1 050 769	817 799	232 970	2
		1998.. 21 900	982 204	751 880	230 324	2
		1997.. 23 318	1 025 364	790 839	234 525	X
335912	Primary battery mfg	1999.. 9 073	417 561	332 292	85 270	2
		1998.. 8 786	396 705	310 014	86 691	1
		1997.. 9 189	380 630	296 907	83 723	X
33592	Communication & energy wire & cable mfg	1999.. 59 278	2 734 684	2 124 918	609 766	1
		1998.. 56 126	2 566 398	2 003 744	562 655	1
		1997.. 54 987	2 418 507	1 896 479	522 028	X
335921	Fiber optic cable mfg	1999.. 10 506	576 215	450 450	125 765	1
		1998.. 8 990	505 639	390 142	115 498	1
		1997.. 8 630	471 881	366 045	105 836	X
335929	Other communication & energy wire mfg	1999.. 48 772	2 158 469	1 674 467	484 002	1
		1998.. 47 136	2 060 759	1 613 602	447 157	1
		1997.. 46 357	1 946 626	1 530 434	416 192	X
33593	Wiring device mfg	1999.. 69 241	2 777 364	2 194 049	583 315	2
		1998.. 70 605	2 736 277	2 166 451	569 826	1
		1997.. 68 447	2 631 858	2 080 658	551 200	X
335931	Current-carrying wiring device mfg	1999.. 45 510	1 763 573	1 384 921	378 652	3
		1998.. 46 125	1 734 456	1 368 999	365 456	1
		1997.. 44 907	1 648 513	1 293 583	354 930	X
335932	Noncurrent-carrying wiring device mfg	1999.. 23 731	1 013 791	809 129	204 662	1
		1998.. 24 480	1 001 821	797 451	204 370	1
		1997.. 23 540	983 345	787 075	196 270	X
33599	All other electrical equipment & component mfg ..	1999.. 54 958	2 467 778	2 003 555	464 223	2
		1998.. 57 794	2 518 749	2 022 791	495 958	1
		1997.. 56 331	2 401 702	1 940 600	461 102	X
335991	Carbon & graphite product mfg	1999.. 10 271	489 145	378 493	110 653	4
		1998.. 10 562	525 159	397 049	128 109	2
		1997.. 10 691	523 243	397 781	125 462	X
335999	All other miscellaneous electrical equipment & component mfg	1999.. 44 687	1 978 633	1 625 062	353 570	2
		1998.. 47 232	1 993 590	1 625 742	367 849	2
		1997.. 45 640	1 878 459	1 542 819	335 640	X
336	Transportation equipment mfg	1999.. 1 876 481	110 289 499	86 806 490	23 483 009	1
		1998.. 1 886 700	105 241 643	82 177 792	23 063 851	1
		1997.. 1 842 315	104 066 528	79 616 518	24 450 010	X
3361	Motor vehicle mfg	1999.. 233 339	18 685 786	14 562 705	4 123 081	1
		1998.. 234 960	17 082 446	12 957 724	4 124 722	1
		1997.. 236 247	18 243 699	13 022 700	5 220 999	X
33611	Automobile & light duty motor vehicle mfg	1999.. 197 754	16 519 975	12 927 665	3 592 309	1
		1998.. 201 366	15 200 669	11 518 511	3 682 158	1
		1997.. 207 838	16 589 657	11 804 330	4 785 327	X
336111	Automobile mfg	1999.. 104 215	8 094 094	6 253 417	1 840 677	1
		1998.. 109 196	8 092 613	6 054 334	2 038 279	1
		1997.. 113 820	8 981 236	6 404 445	2 576 791	X
336112	Light truck & utility vehicle mfg	1999.. 93 539	8 425 881	6 674 249	1 751 632	1
		1998.. 92 170	7 108 055	5 464 176	1 643 879	1
		1997.. 94 018	7 608 421	5 399 885	2 208 536	X
33612	Heavy duty truck mfg	1999.. 35 585	2 165 811	1 635 039	530 772	1
		1998.. 33 594	1 881 778	1 439 213	442 564	1
		1997.. 28 409	1 654 042	1 218 370	435 672	X
336120	Heavy duty truck mfg	1999.. 35 585	2 165 811	1 635 039	530 772	1
		1998.. 33 594	1 881 778	1 439 213	442 564	1
		1997.. 28 409	1 654 042	1 218 370	435 672	X
3362	Motor vehicle body & trailer mfg	1999.. 139 265	4 968 515	4 132 588	835 927	2
		1998.. 129 031	4 399 386	3 631 182	768 204	1
		1997.. 125 015	4 163 604	3 386 084	777 520	X
33621	Motor vehicle body & trailer mfg	1999.. 139 265	4 968 515	4 132 588	835 927	2
		1998.. 129 031	4 399 386	3 631 182	768 204	1
		1997.. 125 015	4 163 604	3 386 084	777 520	X
336211	Motor vehicle body mfg	1999.. 43 686	1 681 603	1 391 772	289 831	3
		1998.. 43 306	1 526 721	1 267 038	259 683	3
		1997.. 42 773	1 496 394	1 225 282	271 112	X
336212	Truck trailer mfg	1999.. 35 425	1 229 789	1 004 685	225 104	4
		1998.. 31 909	1 115 081	905 967	209 114	2
		1997.. 30 648	1 076 221	835 977	240 244	X
336213	Motor home mfg	1999.. 20 005	748 644	630 445	118 198	3
		1998.. 18 306	655 122	542 184	112 938	1
		1997.. 17 801	599 548	499 374	100 174	X
336214	Travel trailer & camper mfg	1999.. 40 149	1 308 479	1 105 686	202 793	3
		1998.. 35 510	1 102 462	915 992	186 469	2
		1997.. 33 793	991 441	825 451	165 990	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
			All employees	Total	Payroll	Total fringe benefits	
336	Transportation equipment mfg—Con.						
3363	Motor vehicle parts mfg	1999..	794 563	43 712 575	33 984 018	9 728 556	1
		1998..	789 564	40 645 218	31 382 928	9 262 290	1
		1997..	779 913	41 187 305	30 960 765	10 226 540	X
33631	Motor vehicle gasoline engine & engine parts mfg	1999..	96 439	5 897 023	4 568 228	1 328 795	1
		1998..	98 593	5 486 867	4 214 555	1 272 312	1
		1997..	97 823	5 517 721	4 184 639	1 333 082	X
336311	Carburetor, piston, piston ring, & valve mfg	1999..	17 727	955 275	748 149	207 126	3
		1998..	17 706	908 790	709 099	199 691	3
		1997..	17 241	867 001	663 961	203 040	X
336312	Gasoline engine & engine parts mfg	1999..	78 712	4 941 749	3 820 079	1 121 669	1
		1998..	80 887	4 578 077	3 505 457	1 072 620	1
		1997..	80 582	4 650 720	3 520 678	1 130 042	X
33632	Motor vehicle electrical & electronic equipment mfg	1999..	115 022	5 279 826	4 085 376	1 194 450	4
		1998..	114 955	5 105 917	3 928 384	1 177 533	1
		1997..	114 196	5 362 193	3 981 222	1 380 971	X
336321	Vehicular lighting equipment mfg	1999..	17 237	857 102	681 882	175 219	3
		1998..	15 660	790 384	603 249	187 135	1
		1997..	16 624	867 685	631 881	235 804	X
336322	Other motor vehicle electrical & electronic equipment mfg	1999..	97 785	4 422 724	3 403 494	1 019 231	5
		1998..	99 295	4 315 534	3 325 135	990 398	1
		1997..	97 572	4 494 508	3 349 341	1 145 167	X
33633	Motor vehicle steering & suspension component (except spring) mfg	1999..	48 697	3 185 669	2 493 537	692 131	1
		1998..	47 682	2 970 795	2 269 812	700 983	1
		1997..	48 676	3 168 210	2 341 273	826 937	X
336330	Motor vehicle steering & suspension component (except spring) mfg	1999..	48 697	3 185 669	2 493 537	692 131	1
		1998..	47 682	2 970 795	2 269 812	700 983	1
		1997..	48 676	3 168 210	2 341 273	826 937	X
33634	Motor vehicle brake system mfg	1999..	44 608	2 191 898	1 687 684	504 214	2
		1998..	45 807	2 041 012	1 551 511	489 501	1
		1997..	43 146	1 998 779	1 503 210	495 569	X
336340	Motor vehicle brake system mfg	1999..	44 608	2 191 898	1 687 684	504 214	2
		1998..	45 807	2 041 012	1 551 511	489 501	1
		1997..	43 146	1 998 779	1 503 210	495 569	X
33635	Motor vehicle transmission & power train parts mfg	1999..	111 031	7 564 302	5 822 159	1 742 142	1
		1998..	102 538	6 713 121	5 182 986	1 530 135	1
		1997..	100 605	6 635 881	4 982 175	1 653 706	X
336350	Motor vehicle transmission & power train parts mfg	1999..	111 031	7 564 302	5 822 159	1 742 142	1
		1998..	102 538	6 713 121	5 182 986	1 530 135	1
		1997..	100 605	6 635 881	4 982 175	1 653 706	X
33636	Motor vehicle seating & interior trim mfg	1999..	55 519	2 486 963	1 966 703	520 260	1
		1998..	48 898	2 078 622	1 636 272	442 349	1
		1997..	47 885	1 994 067	1 532 785	461 282	X
336360	Motor vehicle seating & interior trim mfg	1999..	55 519	2 486 963	1 966 703	520 260	1
		1998..	48 898	2 078 622	1 636 272	442 349	1
		1997..	47 885	1 994 067	1 532 785	461 282	X
33637	Motor vehicle metal stamping	1999..	119 521	7 488 614	5 931 462	1 557 152	1
		1998..	123 214	7 017 831	5 461 784	1 556 047	1
		1997..	126 668	7 572 037	5 642 120	1 929 917	X
336370	Motor vehicle metal stamping	1999..	119 521	7 488 614	5 931 462	1 557 152	1
		1998..	123 214	7 017 831	5 461 784	1 556 047	1
		1997..	126 668	7 572 037	5 642 120	1 929 917	X
33639	Other motor vehicle parts mfg	1999..	203 727	9 618 280	7 428 869	2 189 411	2
		1998..	207 877	9 231 054	7 137 624	2 093 430	1
		1997..	200 914	8 938 417	6 793 341	2 145 076	X
336391	Motor vehicle air-conditioning mfg	1999..	21 514	1 525 099	1 169 656	355 443	1
		1998..	21 310	1 334 116	999 087	335 029	1
		1997..	21 522	1 479 610	1 053 943	425 667	X
336399	All other motor vehicle parts mfg	1999..	182 213	8 093 181	6 259 213	1 833 968	2
		1998..	186 567	7 896 938	6 138 537	1 758 401	1
		1997..	179 392	7 458 807	5 739 398	1 719 409	X
3364	Aerospace product & parts mfg	1999..	489 908	33 176 693	26 408 177	6 768 515	1
		1998..	517 014	33 774 222	26 848 225	6 925 997	1
		1997..	487 114	31 488 440	25 159 567	6 328 873	X
33641	Aerospace product & parts mfg	1999..	489 908	33 176 693	26 408 177	6 768 515	1
		1998..	517 014	33 774 222	26 848 225	6 925 997	1
		1997..	487 114	31 488 440	25 159 567	6 328 873	X
336411	Aircraft mfg	1999..	200 177	13 510 232	10 795 155	2 715 078	1
		1998..	213 148	14 243 678	11 289 840	2 953 837	1
		1997..	202 491	13 366 721	10 839 372	2 527 349	X
336412	Aircraft engine & engine parts mfg	1999..	83 235	5 609 917	4 454 041	1 155 876	1
		1998..	84 617	5 435 596	4 292 039	1 143 558	1
		1997..	84 373	5 416 713	4 298 767	1 117 946	X
336413	Other aircraft part & auxiliary equipment mfg	1999..	132 592	7 948 223	6 282 648	1 665 575	2
		1998..	140 978	8 170 998	6 464 831	1 706 167	1
		1997..	124 677	7 129 164	5 574 824	1 554 340	X
336414	Guided missile & space vehicle mfg	1999..	49 208	4 379 333	3 498 608	880 725	1
		1998..	53 085	4 195 342	3 429 407	765 935	1
		1997..	51 398	3 900 580	3 123 246	777 334	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
336	Transportation equipment mfg—Con.					
3364	Aerospace product & parts mfg—Con.					
33641	Aerospace product & parts mfg—Con.					
336415	Guided missile & space vehicle propulsion unit & parts mfg	1999.. 18 342	1 346 982	1 072 322	274 660	1
		1998.. 18 430	1 345 755	1 068 768	276 987	1
		1997.. 17 738	1 305 427	1 031 920	273 507	X
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	1999.. 6 354	382 006	305 404	76 601	1
		1998.. 6 755	382 853	303 339	79 514	1
		1997.. 6 437	369 835	291 438	78 397	X
3365	Railroad rolling stock mfg	1999.. 37 957	1 988 748	1 512 817	475 931	2
		1998.. 37 351	1 895 103	1 440 110	454 993	1
		1997.. 34 012	1 739 073	1 319 135	419 938	X
33651	Railroad rolling stock mfg	1999.. 37 957	1 988 748	1 512 817	475 931	2
		1998.. 37 351	1 895 103	1 440 110	454 993	1
		1997.. 34 012	1 739 073	1 319 135	419 938	X
336510	Railroad rolling stock mfg	1999.. 37 957	1 988 748	1 512 817	475 931	2
		1998.. 37 351	1 895 103	1 440 110	454 993	1
		1997.. 34 012	1 739 073	1 319 135	419 938	X
3366	Ship & boat building	1999.. 140 659	5 949 795	4 729 068	1 220 726	3
		1998.. 137 756	5 632 955	4 461 362	1 171 594	1
		1997.. 138 237	5 529 868	4 382 998	1 146 870	X
33661	Ship & boat building	1999.. 140 659	5 949 795	4 729 068	1 220 726	3
		1998.. 137 756	5 632 955	4 461 362	1 171 594	1
		1997.. 138 237	5 529 868	4 382 998	1 146 870	X
336611	Ship building & repairing	1999.. 90 034	4 306 745	3 368 072	938 674	4
		1998.. 94 761	4 289 906	3 347 525	942 380	1
		1997.. 97 065	4 290 308	3 353 414	936 894	X
336612	Boat building	1999.. 50 624	1 643 049	1 360 997	282 053	2
		1998.. 42 995	1 343 050	1 113 836	229 213	1
		1997.. 41 172	1 239 560	1 029 584	209 976	X
3369	Other transportation equipment mfg	1999.. 40 790	1 807 388	1 477 117	330 271	2
		1998.. 41 024	1 812 312	1 456 262	356 050	1
		1997.. 41 777	1 714 539	1 385 269	329 270	X
33699	Other transportation equipment mfg	1999.. 40 790	1 807 388	1 477 117	330 271	2
		1998.. 41 024	1 812 312	1 456 262	356 050	1
		1997.. 41 777	1 714 539	1 385 269	329 270	X
336991	Motorcycle, bicycle, & parts mfg	1999.. 14 983	704 331	576 106	128 226	4
		1998.. 16 238	748 240	620 300	127 939	2
		1997.. 17 151	748 428	622 286	126 142	X
336992	Military armored vehicle, tank, & tank component mfg	1999.. 4 685	324 824	264 254	60 570	1
		1998.. 5 042	361 027	257 996	103 031	1
		1997.. 5 773	353 246	267 525	85 721	X
336999	All other transportation equipment mfg	1999.. 21 122	778 233	636 757	141 476	2
		1998.. 19 744	703 045	577 966	125 079	2
		1997.. 18 853	612 865	495 458	117 407	X
337	Furniture & related product mfg	1999.. 628 399	20 561 758	16 890 042	3 681 717	1
		1998.. 625 436	19 630 019	16 047 844	3 582 175	1
		1997.. 603 668	18 357 228	14 986 222	3 371 006	X
3371	Household & institutional furniture & kitchen cabinet mfg	1999.. 408 249	12 121 886	10 069 274	2 052 611	1
		1998.. 403 815	11 355 021	9 408 104	1 946 917	1
		1997.. 388 438	10 605 302	8 767 969	1 837 333	X
33711	Wood kitchen cabinet & counter top mfg	1999.. 106 666	3 315 205	2 774 176	541 029	2
		1998.. 104 932	2 985 576	2 486 496	499 081	2
		1997.. 99 266	2 797 724	2 320 124	477 600	X
337110	Wood kitchen cabinet & counter top mfg	1999.. 106 666	3 315 205	2 774 176	541 029	2
		1998.. 104 932	2 985 576	2 486 496	499 081	2
		1997.. 99 266	2 797 724	2 320 124	477 600	X
33712	Household & institutional furniture mfg	1999.. 301 583	8 806 681	7 295 099	1 511 582	1
		1998.. 298 882	8 369 444	6 921 608	1 447 836	1
		1997.. 289 172	7 807 578	6 447 845	1 359 733	X
337121	Upholstered household furniture mfg	1999.. 94 334	2 701 182	2 280 747	420 436	2
		1998.. 92 426	2 505 312	2 099 641	405 671	1
		1997.. 89 215	2 381 794	2 001 160	380 634	X
337122	Nonupholstered wood household furniture mfg	1999.. 133 414	3 717 341	3 046 596	670 744	2
		1998.. 132 404	3 549 958	2 922 443	627 516	1
		1997.. 127 703	3 253 118	2 674 409	578 709	X
337124	Metal household furniture mfg	1999.. 22 165	630 036	516 850	113 186	4
		1998.. 23 704	679 684	543 026	136 658	3
		1997.. 22 827	627 309	505 291	122 018	X
337125	Household furniture (except wood & metal) mfg	1999.. 5 188	146 579	127 151	19 429	6
		1998.. 4 058	109 592	93 465	16 127	5
		1997.. 4 619	137 577	110 506	27 071	X
337127	Institutional furniture mfg	1999.. 42 476	1 501 791	1 236 572	265 219	2
		1998.. 41 927	1 412 763	1 173 177	239 587	4
		1997.. 40 442	1 298 127	1 069 509	228 618	X
337129	Wood television, radio, & sewing machine cabinet mfg	1999.. 4 006	109 752	87 184	22 568	5
		1998.. 4 362	112 135	89 857	22 278	2
		1997.. 4 366	109 653	86 970	22 683	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Compensation (\$1,000)				Relative standard error of estimate ¹ (percent) for column—
		All employees	Total	Payroll	Total fringe benefits	
337	Furniture & related product mfg—Con.					
3372	Office furniture (including fixtures) mfg	1999.. 173 735	6 902 718	5 563 959	1 338 759	2
		1998.. 176 912	6 832 987	5 489 683	1 343 304	1
		1997.. 172 723	6 436 146	5 172 846	1 263 300	X
33721	Office furniture (including fixtures) mfg	1999.. 173 735	6 902 718	5 563 959	1 338 759	2
		1998.. 176 912	6 832 987	5 489 683	1 343 304	1
		1997.. 172 723	6 436 146	5 172 846	1 263 300	X
337211	Wood office furniture mfg	1999.. 30 116	1 048 833	853 161	195 672	4
		1998.. 30 535	978 797	800 091	178 707	1
		1997.. 30 106	938 918	766 094	172 824	X
337212	Custom architectural woodwork & millwork mfg	1999.. 25 609	965 882	804 162	161 720	3
		1998.. 25 248	960 354	793 437	166 918	7
		1997.. 24 390	874 124	719 926	154 198	X
337214	Office furniture (except wood) mfg	1999.. 43 136	2 201 468	1 696 107	505 360	1
		1998.. 45 803	2 241 786	1 713 334	528 452	1
		1997.. 44 414	2 103 425	1 625 080	478 345	X
337215	Showcase, partition, shelving, & locker mfg	1999.. 74 874	2 686 535	2 210 529	476 006	4
		1998.. 75 325	2 652 050	2 182 822	469 228	2
		1997.. 73 813	2 519 679	2 061 746	457 933	X
3379	Other furniture related product mfg	1999.. 46 415	1 537 155	1 246 809	290 346	4
		1998.. 44 709	1 442 011	1 150 057	291 954	2
		1997.. 42 507	1 315 780	1 045 407	270 373	X
33791	Mattress mfg	1999.. 24 842	846 405	687 266	159 139	2
		1998.. 23 897	827 345	662 960	164 385	4
		1997.. 22 971	759 313	609 570	149 743	X
337910	Mattress mfg	1999.. 24 842	846 405	687 266	159 139	2
		1998.. 23 897	827 345	662 960	164 385	4
		1997.. 22 971	759 313	609 570	149 743	X
33792	Blind & shade mfg	1999.. 21 573	690 750	559 542	131 207	7
		1998.. 20 812	614 666	487 097	127 569	1
		1997.. 19 536	556 467	435 837	120 630	X
337920	Blind & shade mfg	1999.. 21 573	690 750	559 542	131 207	7
		1998.. 20 812	614 666	487 097	127 569	1
		1997.. 19 536	556 467	435 837	120 630	X
339	Miscellaneous mfg	1999.. 731 673	28 768 656	23 577 518	5 191 138	1
		1998.. 749 480	28 125 721	22 913 245	5 212 476	1
		1997.. 725 396	26 552 124	21 618 204	4 933 920	X
3391	Medical equipment & supplies mfg	1999.. 302 757	13 935 190	11 335 139	2 600 051	1
		1998.. 312 553	13 751 073	11 078 106	2 672 968	1
		1997.. 291 522	12 456 070	10 008 144	2 447 926	X
33911	Medical equipment & supplies mfg	1999.. 302 757	13 935 190	11 335 139	2 600 051	1
		1998.. 312 553	13 751 073	11 078 106	2 672 968	1
		1997.. 291 522	12 456 070	10 008 144	2 447 926	X
339111	Laboratory apparatus & furniture mfg	1999.. 15 083	711 353	590 123	121 229	4
		1998.. 16 540	764 188	630 392	133 796	2
		1997.. 16 626	752 645	609 237	143 408	X
339112	Surgical & medical instrument mfg	1999.. 108 759	5 394 160	4 417 867	976 293	3
		1998.. 108 837	5 266 511	4 257 081	1 009 430	1
		1997.. 105 016	4 979 698	4 015 772	963 926	X
339113	Surgical appliance & supplies mfg	1999.. 90 840	4 561 560	3 664 917	896 643	2
		1998.. 91 574	4 391 224	3 488 634	902 589	3
		1997.. 85 646	3 745 720	2 982 742	762 978	X
339114	Dental equipment & supplies mfg	1999.. 18 268	810 046	663 920	146 126	4
		1998.. 18 495	792 540	643 955	148 584	2
		1997.. 17 806	750 721	605 765	144 956	X
339115	Ophthalmic goods mfg	1999.. 25 974	1 038 358	841 920	196 438	4
		1998.. 25 499	975 049	786 627	188 422	1
		1997.. 25 274	954 948	770 994	183 954	X
339116	Dental laboratories	1999.. 43 833	1 419 713	1 156 392	263 321	2
		1998.. 51 607	1 561 563	1 271 416	290 147	1
		1997.. 41 154	1 272 338	1 023 634	248 704	X
3399	Other miscellaneous mfg	1999.. 428 916	14 833 465	12 242 379	2 591 087	1
		1998.. 436 927	14 374 648	11 835 140	2 539 508	1
		1997.. 433 874	14 096 054	11 610 060	2 485 994	X
33991	Jewelry & silverware mfg	1999.. 61 604	1 994 471	1 665 268	329 203	2
		1998.. 59 460	1 865 493	1 554 249	311 244	2
		1997.. 61 104	1 840 635	1 531 249	309 386	X
339911	Jewelry (except costume) mfg	1999.. 36 359	1 198 237	1 015 353	182 884	2
		1998.. 32 963	1 059 088	892 326	166 762	3
		1997.. 34 731	1 057 032	888 911	168 121	X
339912	Silverware & plated ware mfg	1999.. 6 112	231 052	187 930	43 122	2
		1998.. 6 357	250 194	205 640	44 554	2
		1997.. 6 378	224 011	183 237	40 774	X
339913	Jewelers' material & lapidary work mfg	1999.. 4 869	150 416	121 535	28 882	2
		1998.. 5 503	149 380	122 170	27 209	5
		1997.. 5 275	159 055	128 585	30 470	X
339914	Costume jewelry & novelty mfg	1999.. 14 263	414 766	340 451	74 315	3
		1998.. 14 636	406 831	334 112	72 719	3
		1997.. 14 720	400 537	330 516	70 021	X
33992	Sporting & athletic goods mfg	1999.. 63 757	2 176 324	1 782 460	393 865	2
		1998.. 67 914	2 197 928	1 787 377	410 551	2
		1997.. 68 586	2 233 916	1 826 631	407 285	X
339920	Sporting & athletic goods mfg	1999.. 63 757	2 176 324	1 782 460	393 865	2
		1998.. 67 914	2 197 928	1 787 377	410 551	2
		1997.. 68 586	2 233 916	1 826 631	407 285	X

See footnotes at end of table.

Table 3. Employment and Labor Costs for Operating Manufacturing Establishments by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	All employees	Compensation (\$1,000)			Relative standard error of estimate ¹ (percent) for column—
			Total	Payroll	Total fringe benefits	
339	Miscellaneous mfg—Con.					
3399	Other miscellaneous mfg—Con.					
33993	Doll, toy, & game mfg.....	1999.. 30 279 1998.. 31 798 1997.. 32 286	952 807 983 874 991 794	779 048 801 232 809 666	173 760 182 642 182 128	3 2 X
339931	Doll & stuffed toy mfg.....	1999.. 3 963 1998.. 3 638 1997.. 3 386	87 481 77 268 72 337	75 862 67 080 63 582	11 620 10 188 8 755	12 9 X
339932	Game, toy, & children's vehicle mfg.....	1999.. 26 317 1998.. 28 160 1997.. 28 900	865 326 906 605 919 457	703 186 734 152 746 084	162 140 172 454 173 373	3 2 X
33994	Office supplies (except paper) mfg.....	1999.. 28 309 1998.. 29 592 1997.. 30 138	991 134 1 002 053 994 734	798 685 812 939 799 867	192 449 189 113 194 867	2 2 X
339941	Pen & mechanical pencil mfg.....	1999.. 8 121 1998.. 8 816 1997.. 8 198	323 641 354 991 324 583	255 494 283 311 255 377	68 147 71 681 69 206	1 5 X
339942	Lead pencil & art good mfg.....	1999.. 6 864 1998.. 7 313 1997.. 8 255	232 880 252 514 263 865	182 384 201 377 207 661	50 497 51 137 56 204	5 1 X
339943	Marking device mfg.....	1999.. 8 245 1998.. 8 068 1997.. 8 012	259 820 228 240 229 317	220 135 193 419 194 792	39 685 34 822 34 525	8 1 X
339944	Carbon paper & inked ribbon mfg.....	1999.. 5 079 1998.. 5 394 1997.. 5 673	174 792 166 307 176 969	140 672 134 833 142 037	34 120 31 474 34 932	3 1 X
33995	Sign mfg.....	1999.. 90 268 1998.. 84 165 1997.. 83 813	3 182 530 2 868 962 2 858 030	2 704 017 2 427 903 2 412 225	478 513 441 059 445 805	2 2 X
339950	Sign mfg.....	1999.. 90 268 1998.. 84 165 1997.. 83 813	3 182 530 2 868 962 2 858 030	2 704 017 2 427 903 2 412 225	478 513 441 059 445 805	2 2 X
33999	All other miscellaneous mfg.....	1999.. 154 698 1998.. 163 999 1997.. 157 947	5 536 199 5 456 339 5 176 945	4 512 902 4 451 441 4 230 422	1 023 298 1 004 898 946 523	1 1 X
339991	Gasket, packing, & sealing device mfg.....	1999.. 41 971 1998.. 42 607 1997.. 41 980	1 697 026 1 681 556 1 614 425	1 362 239 1 330 897 1 290 903	334 787 350 658 323 522	2 2 X
339992	Musical instrument mfg.....	1999.. 13 945 1998.. 13 587 1997.. 13 249	484 660 484 459 433 940	396 065 403 839 357 842	88 595 80 620 76 098	4 3 X
339993	Fastener, button, needle, & pin mfg.....	1999.. 7 582 1998.. 8 026 1997.. 8 021	258 261 256 927 254 592	214 112 210 968 211 561	44 150 45 958 43 031	4 1 X
339994	Broom, brush, & mop mfg.....	1999.. 17 307 1998.. 18 302 1997.. 17 280	570 149 579 095 538 174	470 817 479 896 446 005	99 332 99 198 92 169	3 3 X
339995	Burial casket mfg.....	1999.. 7 062 1998.. 7 379 1997.. 6 792	259 295 259 732 254 850	209 486 212 670 206 890	49 809 47 062 47 960	6 1 X
339999	All other miscellaneous mfg.....	1999.. 66 830 1998.. 74 097 1997.. 70 625	2 266 807 2 194 571 2 080 964	1 860 182 1 813 170 1 717 221	406 625 381 401 363 743	2 1 X

¹Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: Previous years' data may differ from that published in the 1998 Annual Survey of Manufactures because of changes encountered in subsequent review or revisions discovered during 1999 Annual Survey of Manufactures review.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
31-33	Manufacturing	1999.. 65 342 656	828 902 757	38 788 904	105 797 963	26 553 752	1	1	
		1998.. 63 742 426	819 725 796	38 424 285	113 089 909	25 318 141	1	1	
		1997.. 64 909 791	827 353 664	38 695 146	92 643 862	26 214 645	X	X	
311	Food mfg	1999.. 5 647 399	61 345 118	3 112 506	3 339 802	2 534 893	1	1	
		1998.. 5 568 727	61 972 920	3 148 194	4 285 270	2 420 533	1	1	
		1997.. 5 584 178	60 622 556	3 117 392	4 342 538	2 466 786	X	X	
3111	Animal food mfg	1999.. 287 385	3 109 193	173 637	426	113 748	2	3	
		1998.. 275 277	3 069 122	167 043	46 543	108 234	2	3	
		1997.. 285 351	3 086 826	167 505	—	117 846	X	X	
31111	Animal food mfg	1999.. 287 385	3 109 193	173 637	426	113 748	2	3	
		1998.. 275 277	3 069 122	167 043	46 543	108 234	2	3	
		1997.. 285 351	3 086 826	167 505	—	117 846	X	X	
311111	Dog & cat food mfg	1999.. 99 047	1 063 505	55 609	6	43 438	3	3	
		1998.. 98 818	1 079 191	55 564	6 608	43 255	1	2	
		1997.. 98 570	1 030 994	53 737	—	44 833	X	X	
311119	Other animal food mfg	1999.. 188 338	2 045 687	118 028	420	70 310	3	4	
		1998.. 176 459	1 989 931	111 480	39 935	64 980	2	4	
		1997.. 186 781	2 055 832	113 768	—	73 013	X	X	
3112	Grain & oilseed milling	1999.. 1 276 577	13 203 401	565 246	2 490 767	711 332	2	2	
		1998.. 1 268 096	13 268 931	581 484	2 780 536	686 612	1	1	
		1997.. 1 234 581	14 223 740	628 741	2 764 730	605 840	X	X	
31121	Flour milling & malt mfg	1999.. 184 969	2 829 531	144 547	D	40 422	2	4	
		1998.. 210 346	3 041 853	158 802	D	51 544	1	3	
		1997.. 205 265	3 009 952	155 656	D	49 609	X	X	
311211	Flour milling	1999.. 122 021	2 055 522	105 487	13 950	16 534	2	9	
		1998.. 144 333	2 198 376	117 606	12 696	26 726	2	3	
		1997.. 132 798	2 153 986	114 041	10 789	18 757	X	X	
311212	Rice milling	1999.. 31 725	425 772	24 971	D	6 754	7	4	
		1998.. 32 346	440 392	25 237	D	7 109	4	7	
		1997.. 31 611	434 801	25 257	D	6 354	X	X	
311213	Malt mfg	1999.. 31 223	348 237	14 090	D	17 133	1	2	
		1998.. 33 667	403 084	15 959	D	17 708	3	7	
		1997.. 40 856	421 165	16 358	D	24 498	X	X	
31122	Starch & vegetable fats & oils mfg	1999.. 1 001 722	9 263 685	369 575	2 310 589	632 148	3	2	
		1998.. 969 041	9 143 706	371 365	2 597 032	597 676	1	1	
		1997.. 938 957	10 189 373	423 774	2 573 682	515 183	X	X	
311221	Wet corn milling	1999.. 637 031	5 801 675	215 419	2 020 845	421 612	5	3	
		1998.. 599 864	5 855 994	217 833	2 010 895	382 031	1	1	
		1997.. 601 431	6 902 497	280 943	1 876 208	320 488	X	X	
311222	Soybean processing	1999.. 244 204	2 127 297	90 789	275 612	153 415	1	1	
		1998.. 231 541	1 715 237	81 056	557 873	150 484	1	1	
		1997.. 201 293	1 627 095	72 647	637 139	128 646	X	X	
311223	Other oilseed processing	1999.. 40 416	530 834	24 700	D	15 716	6	9	
		1998.. 50 805	708 477	32 802	D	18 003	2	1	
		1997.. 50 878	854 139	31 205	D	19 673	X	X	
311225	Fats & oils refining & blending	1999.. 80 071	803 880	38 667	D	41 404	3	2	
		1998.. 86 831	863 997	39 674	D	47 157	1	1	
		1997.. 85 355	805 642	38 979	D	46 376	X	X	
31123	Breakfast cereal mfg	1999.. 89 887	1 110 185	51 124	D	38 762	1	1	
		1998.. 88 710	1 083 372	51 316	D	37 393	1	1	
		1997.. 90 359	1 024 415	49 311	D	41 048	X	X	
311230	Breakfast cereal mfg	1999.. 89 887	1 110 185	51 124	D	38 762	1	1	
		1998.. 88 710	1 083 372	51 316	D	37 393	1	1	
		1997.. 90 359	1 024 415	49 311	D	41 048	X	X	
3113	Sugar & confectionery product mfg	1999.. 409 988	3 231 695	171 400	816 734	238 589	2	1	
		1998.. 400 453	3 099 874	166 084	841 534	234 369	2	1	
		1997.. 398 138	2 992 101	157 513	1 071 682	240 625	X	X	
31131	Sugar mfg	1999.. 230 445	992 782	44 207	724 241	186 238	1	1	
		1998.. 230 792	1 013 559	43 973	741 024	186 819	1	2	
		1997.. 229 300	933 300	42 232	950 515	187 068	X	X	
311311	Sugarcane mills	1999.. 28 700	154 063	10 360	299 734	18 340	4	3	
		1998.. 21 565	162 952	8 842	273 532	12 724	6	23	
		1997.. 28 052	136 337	9 270	224 453	18 782	X	X	
311312	Cane sugar refining	1999.. 49 664	79 976	5 186	129 968	44 478	1	1	
		1998.. 55 928	100 616	6 183	168 896	49 745	1	1	
		1997.. 56 167	96 009	6 354	356 236	49 813	X	X	
311313	Beet sugar mfg	1999.. 152 080	758 743	28 661	294 539	123 420	2	1	
		1998.. 153 298	749 991	28 948	298 596	124 350	1	1	
		1997.. 145 081	700 954	26 608	369 826	118 473	X	X	
31132	Chocolate & confectionery mfg from cacao beans	1999.. 36 686	478 912	26 475	S	10 211	1	1	
		1998.. 39 719	511 059	29 836	S	9 882	9	3	
		1997.. 35 101	469 685	24 897	957	10 204	X	X	
311320	Chocolate & confectionery mfg from cacao beans	1999.. 36 686	478 912	26 475	S	10 211	1	1	
		1998.. 39 719	511 059	29 836	S	9 882	9	3	
		1997.. 35 101	469 685	24 897	957	10 204	X	X	
31133	Confectionery mfg from purchased chocolate	1999.. 81 166	1 065 843	59 334	D	21 832	4	5	
		1998.. 72 295	925 017	52 407	D	19 888	2	2	
		1997.. 75 678	970 641	52 805	D	22 873	X	X	
311330	Confectionery mfg from purchased chocolate	1999.. 81 166	1 065 843	59 334	D	21 832	4	5	
		1998.. 72 295	925 017	52 407	D	19 888	2	2	
		1997.. 75 678	970 641	52 805	D	22 873	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
			A	B	C		D	E
311	Food mfg—Con.							
3113	Sugar & confectionery product mfg—Con.							
31134	Nonchocolate confectionery mfg	1999.. 61 692	694 159	41 384	D	20 308	2	5
		1998.. 57 647	650 238	39 867	D	17 780	2	2
		1997.. 58 059	618 475	37 579	D	20 480	X	X
311340	Nonchocolate confectionery mfg	1999.. 61 692	694 159	41 384	D	20 308	2	5
		1998.. 57 647	650 238	39 867	D	17 780	2	2
		1997.. 58 059	618 475	37 579	D	20 480	X	X
3114	Fruit & vegetable preserving & specialty food mfg ..	1999.. 768 019	8 022 243	413 467	S	354 553	2	3
		1998.. 822 319	9 850 209	485 338	433 301	336 981	1	5
		1997.. 778 184	8 256 563	435 682	337 286	342 502	X	X
31141	Frozen food mfg	1999.. 329 472	4 645 099	216 993	1 407	112 479	3	6
		1998.. 426 392	6 716 370	296 081	51 318	130 311	1	3
		1997.. 370 187	5 015 418	246 326	49 771	123 861	X	X
311411	Frozen fruit, juice, & vegetable mfg	1999.. 201 428	2 738 163	117 102	1 407	84 326	6	8
		1998.. 299 140	4 893 375	196 695	51 503	102 445	1	4
		1997.. 246 000	3 272 621	151 494	49 771	94 506	X	X
311412	Frozen specialty food mfg	1999.. 128 044	1 906 936	99 891	S	28 153	1	2
		1998.. 127 253	1 822 995	99 386	S	27 867	1	2
		1997.. 124 187	1 742 797	94 832	-	29 355	X	X
31142	Fruit & vegetable canning, pickling, & drying	1999.. 438 547	3 377 144	196 473	S	242 074	2	3
		1998.. 395 927	3 133 839	189 257	381 983	206 670	1	7
		1997.. 407 997	3 241 145	189 356	287 515	218 641	X	X
311421	Fruit & vegetable canning	1999.. 273 785	2 084 652	129 283	D	144 502	3	4
		1998.. 262 383	1 953 737	124 381	D	138 003	1	2
		1997.. 254 775	1 996 323	122 645	D	132 130	X	X
311422	Specialty canning	1999.. 76 459	621 998	33 658	D	42 801	4	8
		1998.. 69 572	600 236	33 609	D	35 964	3	2
		1997.. 69 172	630 433	33 946	D	35 226	X	X
311423	Dried & dehydrated food mfg	1999.. 88 303	670 495	33 532	S	54 770	4	5
		1998.. 63 971	579 866	31 267	S	32 704	2	44
		1997.. 84 050	614 389	32 765	-	51 285	X	X
3115	Dairy product mfg	1999.. 596 285	7 220 036	389 852	17 527	206 433	1	2
		1998.. 599 715	7 371 744	395 880	24 208	203 836	2	2
		1997.. 608 885	7 155 073	389 855	9 119	219 030	X	X
31151	Dairy product (except frozen) mfg	1999.. 516 199	6 075 524	323 708	17 527	192 491	1	2
		1998.. 516 598	6 175 192	325 814	24 208	190 784	2	2
		1997.. 527 630	5 977 326	319 952	9 119	207 678	X	X
311511	Fluid milk mfg.....	1999.. 210 772	2 690 987	156 891	D	53 881	1	6
		1998.. 223 689	2 715 239	162 146	D	61 543	1	5
		1997.. 227 509	2 642 360	158 847	D	68 662	X	X
311512	Creamery butter mfg	1999.. 9 472	108 646	5 330	D	4 143	3	4
		1998.. 9 274	104 215	5 196	D	4 078	2	9
		1997.. 10 343	100 121	5 378	D	4 965	X	X
311513	Cheese mfg	1999.. 190 351	2 199 424	108 478	S	81 874	2	2
		1998.. 187 471	2 293 053	106 803	S	80 668	3	2
		1997.. 185 079	2 164 314	102 645	-	82 434	X	X
311514	Dry, condensed, & evaporated dairy product mfg	1999.. 105 603	1 076 466	53 010	-	52 593	4	3
		1998.. 96 163	1 062 685	51 669	-	44 494	8	6
		1997.. 104 699	1 070 531	53 082	-	51 617	X	X
31152	Ice cream & frozen dessert mfg	1999.. 80 086	1 144 512	66 143	-	13 943	3	8
		1998.. 83 118	1 196 552	70 066	-	13 052	5	7
		1997.. 81 255	1 177 747	69 903	-	11 352	X	X
311520	Ice cream & frozen dessert mfg	1999.. 80 086	1 144 512	66 143	-	13 943	3	8
		1998.. 83 118	1 196 552	70 066	-	13 052	5	7
		1997.. 81 255	1 177 747	69 903	-	11 352	X	X
3116	Meat product mfg	1999.. 1 100 105	14 737 685	701 999	S	398 106	1	2
		1998.. 1 049 336	13 976 729	680 307	4 644	369 029	1	2
		1997.. 1 137 490	13 978 809	685 656	2 521	451 834	X	X
31161	Animal slaughtering & processing	1999.. 1 100 105	14 737 685	701 999	S	398 106	1	2
		1998.. 1 049 336	13 976 729	680 307	4 644	369 029	1	2
		1997.. 1 137 490	13 978 809	685 656	2 521	451 834	X	X
311611	Animal (except poultry) slaughtering	1999.. 290 815	4 374 703	189 037	D	101 778	1	1
		1998.. 293 405	4 195 088	185 730	D	107 675	1	1
		1997.. 338 673	4 745 418	213 113	D	125 560	X	X
311612	Meat processed from carcasses	1999.. 281 273	D	187 265	D	94 007	3	6
		1998.. 256 655	D	180 635	D	76 020	2	1
		1997.. 289 602	D	169 684	D	119 918	X	X
311613	Rendering & meat byproduct processing	1999.. 142 718	D	48 111	609	94 607	3	3
		1998.. 134 506	D	46 954	623	87 552	1	6
		1997.. 141 767	D	45 288	180	96 479	X	X
311615	Poultry processing	1999.. 385 300	5 838 495	277 586	113	107 714	1	2
		1998.. 364 770	5 578 383	266 989	973	97 781	1	2
		1997.. 367 448	5 290 650	257 571	794	109 877	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
311	Food mfg—Con.								
3117	Seafood product preparation & packaging	1999.. 114 558	895 154	61 026	68 952	53 533	4	6	
		1998.. 109 558	867 054	56 884	122 592	52 674	5	3	
		1997.. 116 317	924 275	59 023	106 651	57 294	X	X	
31171	Seafood product preparation & packaging	1999.. 114 558	895 154	61 026	68 952	53 533	4	6	
		1998.. 109 558	867 054	56 884	122 592	52 674	5	3	
		1997.. 116 317	924 275	59 023	106 651	57 294	X	X	
311711	Seafood canning	1999.. 17 071	98 151	8 355	D	8 717	3	2	
		1998.. 13 189	76 128	6 451	D	6 738	6	6	
		1997.. 14 910	86 333	7 138	D	7 772	X	X	
311712	Fresh & frozen seafood processing	1999.. 97 487	797 003	52 671	D	44 816	4	7	
		1998.. 96 369	790 926	50 433	D	45 936	6	3	
		1997.. 101 407	837 942	51 885	D	49 522	X	X	
3118	Bakeries & tortilla mfg	1999.. 595 833	5 898 016	352 408	S	243 425	3	2	
		1998.. 573 218	5 702 456	340 638	28 518	232 580	1	1	
		1997.. 575 178	5 695 186	339 105	47 662	236 073	X	X	
31181	Bread & bakery product mfg	1999.. 417 589	3 815 357	233 314	S	184 274	4	3	
		1998.. 394 901	3 683 101	224 792	20 768	170 109	1	1	
		1997.. 385 049	3 496 660	213 603	43 975	171 446	X	X	
311811	Retail bakeries	1999.. 44 335	383 065	25 423	—	18 912	16	11	
		1998.. 47 063	423 156	26 394	—	20 668	3	3	
		1997.. 28 142	272 995	15 509	—	12 633	X	X	
311812	Commercial bakeries	1999.. 333 226	2 911 661	177 233	D	155 993	4	3	
		1998.. 307 492	2 740 888	166 551	D	140 942	1	1	
		1997.. 317 012	2 739 232	167 744	D	149 268	X	X	
311813	Frozen cakes, pies, & other pastries mfg	1999.. 40 027	520 631	30 659	D	9 369	3	3	
		1998.. 40 346	519 056	31 847	D	8 499	2	5	
		1997.. 39 895	484 433	30 350	D	9 545	X	X	
31182	Cookie, cracker, & pasta mfg	1999.. 155 488	1 888 668	105 889	S	49 599	4	5	
		1998.. 156 972	1 846 653	103 823	7 750	53 149	1	1	
		1997.. 167 955	2 023 347	113 223	3 687	54 732	X	X	
311821	Cookie & cracker mfg	1999.. 85 712	918 593	51 889	7 740	33 823	2	6	
		1998.. 92 579	966 074	53 955	7 750	38 624	1	1	
		1997.. 92 968	953 134	53 611	3 687	39 357	X	X	
311822	Flour mixes & dough mfg from purchased flour	1999.. 51 837	742 517	41 487	—	10 351	10	13	
		1998.. 44 668	629 231	35 272	—	9 396	1	2	
		1997.. 45 620	664 092	36 412	—	9 208	X	X	
311823	Dry pasta mfg	1999.. 17 939	227 558	12 513	S	5 426	5	5	
		1998.. 19 725	251 347	14 596	—	5 129	1	1	
		1997.. 29 367	406 121	23 200	—	6 167	X	X	
31183	Tortilla mfg	1999.. 22 756	193 991	13 205	—	9 552	4	7	
		1998.. 21 345	172 703	12 024	—	9 322	1	1	
		1997.. 22 174	175 179	12 279	—	9 895	X	X	
311830	Tortilla mfg	1999.. 22 756	193 991	13 205	—	9 552	4	7	
		1998.. 21 345	172 703	12 024	—	9 322	1	1	
		1997.. 22 174	175 179	12 279	—	9 895	X	X	
3119	Other food mfg	1999.. 498 647	5 027 695	283 473	2 481	215 175	1	2	
		1998.. 470 754	4 766 801	274 536	3 395	196 219	1	2	
		1997.. 450 054	4 309 983	254 312	2 887	195 742	X	X	
31191	Snack food mfg	1999.. 179 994	1 705 260	88 322	D	91 672	3	4	
		1998.. 156 166	1 501 542	76 018	D	80 148	3	3	
		1997.. 142 343	1 256 468	67 077	D	75 266	X	X	
311911	Roasted nuts & peanut butter mfg	1999.. 28 580	382 074	21 733	D	6 847	4	5	
		1998.. 28 533	340 699	20 886	D	7 647	4	5	
		1997.. 27 528	326 244	19 238	D	8 290	X	X	
311919	Other snack food mfg	1999.. 151 414	1 323 186	66 589	—	84 825	4	4	
		1998.. 127 633	1 160 844	55 132	—	72 501	4	4	
		1997.. 114 815	930 224	47 839	—	66 976	X	X	
31192	Coffee & tea mfg	1999.. 50 387	497 997	28 800	—	21 587	2	3	
		1998.. 46 687	488 796	27 845	—	18 842	1	1	
		1997.. 51 757	490 602	30 158	—	21 599	X	X	
311920	Coffee & tea mfg	1999.. 50 387	497 997	28 800	—	21 587	2	3	
		1998.. 46 687	488 796	27 845	—	18 842	1	1	
		1997.. 51 757	490 602	30 158	—	21 599	X	X	
31193	Flavoring syrup & concentrate mfg	1999.. 18 903	183 072	12 804	—	6 099	11	4	
		1998.. 17 285	158 544	10 965	—	6 321	2	1	
		1997.. 17 249	160 106	11 182	—	6 067	X	X	
311930	Flavoring syrup & concentrate mfg	1999.. 18 903	183 072	12 804	—	6 099	11	4	
		1998.. 17 285	158 544	10 965	—	6 321	2	1	
		1997.. 17 249	160 106	11 182	—	6 067	X	X	
31194	Seasoning & dressing mfg	1999.. 73 876	792 402	50 280	D	23 595	2	3	
		1998.. 70 660	806 081	48 631	D	22 029	1	2	
		1997.. 68 335	717 373	45 633	D	22 702	X	X	
311941	Mayonnaise, dressing, & other prepared sauce mfg	1999.. 41 479	466 122	29 220	D	12 258	2	3	
		1998.. 43 536	500 198	29 277	D	14 259	1	2	
		1997.. 41 226	424 533	27 369	D	13 857	X	X	
311942	Spice & extract mfg	1999.. 32 397	326 280	21 060	—	11 337	3	6	
		1998.. 27 124	305 883	19 354	—	7 770	2	5	
		1997.. 27 109	292 840	18 264	—	8 845	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
311	Food mfg—Con.								
3119	Other food mfg—Con.								
31199	All other food mfg	1999.. 175 488	1 848 964	103 267	D	72 221	2	4	
		1998.. 179 957	1 811 837	111 078	D	68 879	3	2	
		1997.. 170 370	1 685 434	100 262	D	70 108	X	X	
311991	Perishable prepared food mfg	1999.. 33 529	399 394	25 529	—	8 000	3	21	
		1998.. 35 592	383 069	25 342	—	10 249	5	6	
		1997.. 35 271	389 702	24 236	—	11 035	X	X	
311999	All other miscellaneous food mfg	1999.. 141 959	1 449 569	77 737	D	64 222	3	4	
		1998.. 144 365	1 428 768	85 736	D	58 629	4	2	
		1997.. 135 099	1 295 732	76 026	D	59 073	X	X	
312	Beverage & tobacco product mfg	1999.. 656 763	7 728 970	429 482	255 530	227 281	2	1	
		1998.. 656 265	7 608 293	422 561	566 486	233 704	1	1	
		1997.. 677 740	7 649 042	421 484	598 347	256 256	X	X	
3121	Beverage mfg	1999.. 536 825	6 027 503	350 878	168 285	185 947	2	2	
		1998.. 524 487	5 791 286	338 959	329 370	185 528	1	1	
		1997.. 540 232	5 690 038	333 561	319 828	206 671	X	X	
31211	Soft drink & ice mfg	1999.. 252 601	2 788 209	175 978	17 605	76 623	2	4	
		1998.. 241 079	2 544 800	167 659	11 120	73 420	1	2	
		1997.. 234 142	2 502 569	160 635	—	73 507	X	X	
312111	Soft drink mfg	1999.. 195 007	2 028 677	127 122	14 692	67 885	2	4	
		1998.. 196 958	1 957 509	128 433	11 120	68 525	1	3	
		1997.. 192 023	1 922 130	123 083	—	68 940	X	X	
312112	Bottled water mfg	1999.. 19 351	195 707	15 146	—	4 205	16	17	
		1998.. 9 573	91 779	7 554	—	2 018	11	5	
		1997.. 7 394	72 097	5 698	—	1 696	X	X	
312113	Ice mfg	1999.. 38 243	563 825	33 710	2 913	4 534	8	32	
		1998.. 34 548	495 513	31 671	—	2 877	1	1	
		1997.. 34 725	508 342	31 854	—	2 871	X	X	
31212	Breweries	1999.. 200 343	2 401 284	114 384	D	85 959	1	1	
		1998.. 208 813	2 504 402	120 752	D	88 061	1	1	
		1997.. 227 346	2 468 063	120 319	D	107 027	X	X	
312120	Breweries	1999.. 200 343	2 401 284	114 384	D	85 959	1	1	
		1998.. 208 813	2 504 402	120 752	D	88 061	1	1	
		1997.. 227 346	2 468 063	120 319	D	107 027	X	X	
31213	Wineries	1999.. 53 098	527 371	41 591	D	11 507	2	3	
		1998.. 48 235	493 394	38 194	D	10 042	2	3	
		1997.. 51 374	479 657	40 233	D	11 141	X	X	
312130	Wineries	1999.. 53 098	527 371	41 591	D	11 507	2	3	
		1998.. 48 235	493 394	38 194	D	10 042	2	3	
		1997.. 51 374	479 657	40 233	D	11 141	X	X	
31214	Distilleries	1999.. 30 783	310 640	18 925	2 725	11 858	28	8	
		1998.. 26 360	248 690	12 355	—	14 006	2	3	
		1997.. 27 370	239 749	12 374	—	14 996	X	X	
312140	Distilleries	1999.. 30 783	310 640	18 925	2 725	11 858	28	8	
		1998.. 26 360	248 690	12 355	—	14 006	2	3	
		1997.. 27 370	239 749	12 374	—	14 996	X	X	
3122	Tobacco mfg	1999.. 119 938	1 701 467	78 604	87 245	41 334	1	2	
		1998.. 131 778	1 817 007	83 602	237 116	48 176	1	1	
		1997.. 137 508	1 959 004	87 923	278 519	49 585	X	X	
31221	Tobacco stemming & redrying	1999.. D	189 502	11 813	—	D	1	1	
		1998.. D	224 077	14 247	—	D	1	1	
		1997.. D	303 443	19 683	—	D	X	X	
312210	Tobacco stemming & redrying	1999.. D	189 502	11 813	—	D	1	X	
		1998.. D	224 077	14 247	—	D	1	X	
		1997.. D	303 443	19 683	—	D	X	X	
31222	Tobacco product mfg	1999.. D	1 511 965	66 791	87 245	D	1	2	
		1998.. D	1 592 930	69 355	237 116	D	1	1	
		1997.. D	1 655 561	68 240	278 519	D	X	X	
312221	Cigarette mfg	1999.. D	1 184 272	50 616	D	D	1	1	
		1998.. D	1 215 789	51 269	D	D	1	1	
		1997.. D	1 256 006	49 723	D	D	X	X	
312229	Other tobacco product mfg	1999.. D	327 693	16 175	D	D	5	X	
		1998.. D	377 141	18 086	D	D	1	X	
		1997.. D	399 555	18 517	D	D	X	X	
313	Textile mills	1999.. 1 871 979	28 518 819	1 324 720	164 932	547 259	1	5	
		1998.. 1 867 176	28 889 986	1 322 107	204 230	545 069	1	2	
		1997.. 1 912 646	28 519 930	1 340 814	197 659	571 832	X	X	
3131	Fiber, yarn, & thread mills	1999.. 461 393	9 789 424	413 951	D	47 442	2	13	
		1998.. 431 918	9 214 721	392 557	D	39 361	1	2	
		1997.. 429 832	8 803 529	390 903	D	38 929	X	X	
31311	Fiber, yarn, & thread mills	1999.. 461 393	9 789 424	413 951	D	47 442	2	13	
		1998.. 431 918	9 214 721	392 557	D	39 361	1	2	
		1997.. 429 832	8 803 529	390 903	D	38 929	X	X	
313111	Yarn spinning mills	1999.. 316 953	6 879 684	292 255	D	24 699	2	3	
		1998.. 317 778	6 851 632	293 063	D	24 715	1	1	
		1997.. 317 346	6 615 084	293 858	D	23 488	X	X	
313112	Yarn texturing, throwing, & twisting mills	1999.. 133 446	2 747 705	113 162	—	20 284	5	31	
		1998.. 96 959	2 081 074	85 501	—	11 458	3	5	
		1997.. 96 875	1 955 924	84 648	—	12 227	X	X	
313113	Thread mills	1999.. 10 994	162 035	8 535	1 414	2 459	3	4	
		1998.. 17 181	282 015	13 993	—	3 188	1	1	
		1997.. 15 611	232 521	12 397	—	3 214	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)	C		E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B	C	D		E	
313	Textile mills—Con.								
3132	Fabric mills	1999.. 871 308	15 036 901	682 054	D	189 254	1	5	
		1998.. 909 362	15 794 434	689 147	D	220 216	1	2	
		1997.. 930 744	15 674 880	704 057	D	226 687	X	X	
31321	Broadwoven fabric mills	1999.. 547 111	11 249 576	458 263	D	88 848	1	10	
		1998.. 600 511	11 909 215	489 548	D	110 963	1	1	
		1997.. 632 502	12 166 618	509 087	D	123 415	X	X	
313210	Broadwoven fabric mills	1999.. 547 111	11 249 576	458 263	D	88 848	1	10	
		1998.. 600 511	11 909 215	489 548	D	110 963	1	1	
		1997.. 632 502	12 166 618	509 087	D	123 415	X	X	
31322	Narrow fabric mills & schiffli machine embroidery	1999.. 33 953	416 564	24 610	D	9 343	2	5	
		1998.. 35 189	445 353	27 203	D	7 986	3	3	
		1997.. 33 648	431 950	26 344	D	7 304	X	X	
313221	Narrow fabric mills	1999.. 32 205	398 412	23 243	D	8 961	2	5	
		1998.. 32 528	415 024	24 969	D	7 559	3	3	
		1997.. 30 908	402 641	24 114	D	6 794	X	X	
313222	Schiffli machine embroidery	1999.. 1 748	18 152	1 367	—	381	20	19	
		1998.. 2 661	30 330	2 235	—	426	6	10	
		1997.. 2 740	29 309	2 230	—	510	X	X	
31323	Nonwoven fabric mills	1999.. 149 665	2 054 943	115 812	S	33 853	1	3	
		1998.. 116 029	1 998 338	83 871	—	32 159	1	2	
		1997.. 115 635	1 572 866	82 173	—	33 462	X	X	
313230	Nonwoven fabric mills	1999.. 149 665	2 054 943	115 812	S	33 853	1	3	
		1998.. 116 029	1 998 338	83 871	—	32 159	1	2	
		1997.. 115 635	1 572 866	82 173	—	33 462	X	X	
31324	Knit fabric mills	1999.. 140 579	1 315 817	83 370	S	57 210	7	4	
		1998.. 157 633	1 441 528	88 525	S	69 109	5	5	
		1997.. 148 959	1 503 446	86 453	—	62 506	X	X	
313241	Weft knit fabric mills	1999.. 80 938	695 574	47 748	S	33 190	11	5	
		1998.. 92 438	807 506	50 124	S	42 313	8	8	
		1997.. 83 802	855 660	47 458	—	36 344	X	X	
313249	Other knit fabric & lace mills	1999.. 59 642	620 243	35 622	S	24 020	3	6	
		1998.. 65 196	634 022	38 401	S	26 795	2	2	
		1997.. 65 157	647 786	38 995	—	26 162	X	X	
3133	Textile & fabric finishing & fabric coating mills	1999.. 539 278	3 692 494	228 714	150 613	310 563	5	8	
		1998.. 525 895	3 880 831	240 403	166 194	285 492	3	3	
		1997.. 552 070	4 041 521	245 854	173 205	306 216	X	X	
31331	Textile & fabric finishing mills	1999.. 502 499	3 406 826	209 044	150 613	293 455	5	8	
		1998.. 482 911	3 543 691	216 192	166 194	266 719	3	3	
		1997.. 509 254	3 710 259	222 987	173 205	286 267	X	X	
313311	Broadwoven fabric finishing mills	1999.. 327 193	2 025 950	125 161	150 613	202 032	5	10	
		1998.. 319 899	2 279 257	141 076	166 194	178 823	4	5	
		1997.. 352 640	2 313 081	145 756	173 205	206 884	X	X	
313312	Textile & fabric finishing mills	1999.. 175 306	1 380 876	83 883	—	91 423	11	17	
		1998.. 163 012	1 264 434	75 116	—	87 896	3	2	
		1997.. 156 614	1 397 178	77 231	—	79 383	X	X	
31332	Fabric coating mills	1999.. 36 778	285 668	19 670	—	17 108	3	4	
		1998.. 42 984	337 140	24 211	—	18 773	8	6	
		1997.. 42 816	331 262	22 867	—	19 949	X	X	
313320	Fabric coating mills	1999.. 36 778	285 668	19 670	—	17 108	3	4	
		1998.. 42 984	337 140	24 211	—	18 773	8	6	
		1997.. 42 816	331 262	22 867	—	19 949	X	X	
314	Textile product mills	1999.. 394 750	5 141 594	255 839	34 647	138 911	2	2	
		1998.. 396 552	4 963 880	245 612	79 751	150 941	1	2	
		1997.. 387 444	4 761 392	245 129	34 328	142 315	X	X	
3141	Textile furnishings mills	1999.. 218 689	2 615 715	128 408	S	90 281	1	1	
		1998.. 212 583	2 551 497	122 819	S	89 764	1	2	
		1997.. 217 674	2 443 780	126 511	S	91 163	X	X	
31411	Carpet & rug mills	1999.. 149 052	1 766 694	80 610	—	68 441	1	1	
		1998.. 150 283	1 795 011	79 481	—	70 802	1	1	
		1997.. 152 502	1 641 343	81 928	89	70 574	X	X	
314110	Carpet & rug mills	1999.. 149 052	1 766 694	80 610	D	68 441	1	1	
		1998.. 150 283	1 795 011	79 481	D	70 802	1	1	
		1997.. 152 502	1 641 343	81 928	D	70 574	X	X	
31412	Curtain & linen mills	1999.. 69 638	849 021	47 798	—	21 840	2	4	
		1998.. 62 299	756 486	43 337	S	18 962	2	9	
		1997.. 65 172	802 437	44 583	—	20 589	X	X	
314121	Curtain & drapery mills	1999.. 14 238	166 744	11 029	89	3 209	4	14	
		1998.. 12 180	125 115	8 262	—	3 918	8	13	
		1997.. 11 245	116 004	7 758	—	3 487	X	X	
314129	Other household textile product mills	1999.. 55 399	682 277	36 769	S	18 631	3	4	
		1998.. 50 120	631 371	35 076	S	15 044	2	11	
		1997.. 53 927	686 433	36 825	—	17 102	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			A	Purchased		Generated less sold (1,000 kWh)		E	C	E
				Quantity (1,000 kWh)	Cost (\$1,000)					
				B	C					
314	Textile product mills—Con.									
3149	Other textile product mills	1999.. 176 060	2 525 879	127 431	34 558	48 629	4	6		
		1998.. 183 970	2 412 383	122 793	85 348	61 177	1	4		
		1997.. 169 770	2 317 612	118 618	34 239	51 152	X	X		
31491	Textile bag & canvas mills	1999.. 19 663	211 395	13 189	—	6 474	4	5		
		1998.. 20 010	208 420	13 429	—	6 581	2	4		
		1997.. 20 283	209 682	13 447	—	6 836	X	X		
314911	Textile bag mills	1999.. 7 392	86 295	5 593	—	1 799	7	9		
		1998.. 8 094	96 741	6 260	—	1 834	4	6		
		1997.. 8 116	97 511	6 280	—	1 836	X	X		
314912	Canvas & related product mills	1999.. 12 271	125 100	7 596	—	4 675	3	5		
		1998.. 11 916	111 679	7 169	—	4 747	3	5		
		1997.. 12 167	112 171	7 167	—	5 000	X	X		
31499	All other textile product mills	1999.. 156 398	2 314 484	114 242	34 558	42 156	4	6		
		1998.. 163 959	2 203 963	109 364	85 348	54 596	1	5		
		1997.. 149 487	2 107 930	105 171	34 239	44 316	X	X		
314991	Rope, cordage, & twine mills	1999.. 10 865	166 516	9 695	S	1 169	5	A		
		1998.. 11 753	164 319	9 632	S	2 122	4	4		
		1997.. 13 407	191 758	11 115	—	2 292	X	X		
314992	Tire cord & tire fabric mills	1999.. 51 197	1 046 472	41 109	609	10 088	1	1		
		1998.. 44 423	872 089	35 752	627	8 771	2	1		
		1997.. 43 612	821 875	34 193	—	9 419	X	X		
314999	All other miscellaneous textile product mills	1999.. 94 336	1 101 496	63 438	33 949	30 898	7	8		
		1998.. 107 783	1 167 555	63 980	84 718	43 804	2	6		
		1997.. 92 468	1 094 297	59 863	34 239	32 605	X	X		
315	Apparel mfg	1999.. 602 936	6 337 820	424 874	1 569	178 062	3	4		
		1998.. 654 679	6 713 223	463 288	1 110	191 391	1	1		
		1997.. 688 269	7 056 359	482 740	210	205 529	X	X		
3151	Apparel knitting mills	1999.. 134 216	1 625 140	86 230	—	47 986	3	6		
		1998.. 138 149	1 705 827	94 070	134	44 079	2	2		
		1997.. 159 973	1 898 241	104 963	—	55 010	X	X		
31511	Hosiery & sock mills	1999.. 82 192	1 139 936	58 917	—	23 275	4	4		
		1998.. 85 451	1 208 500	63 296	134	22 155	3	4		
		1997.. 86 368	1 169 912	63 184	—	23 184	X	X		
315111	Sheer hosiery mills	1999.. 28 484	391 764	19 946	—	8 538	10	3		
		1998.. 32 258	481 192	24 545	—	7 713	1	1		
		1997.. 34 175	477 325	26 703	—	7 472	X	X		
315119	Other hosiery & sock mills	1999.. 53 707	748 172	38 971	—	14 737	3	6		
		1998.. 53 193	727 308	38 750	134	14 442	4	6		
		1997.. 52 193	692 587	36 481	—	15 712	X	X		
31519	Other apparel knitting mills	1999.. 52 024	485 204	27 314	—	24 711	6	11		
		1998.. 52 699	497 326	30 774	—	21 924	4	2		
		1997.. 73 605	728 329	41 779	—	31 826	X	X		
315191	Outerwear knitting mills	1999.. 42 165	355 264	21 335	—	20 830	8	13		
		1998.. 44 721	388 660	25 711	—	19 009	3	2		
		1997.. 65 494	633 102	36 082	—	29 412	X	X		
315192	Underwear & nightwear knitting mills	1999.. 9 859	129 940	5 978	—	3 881	3	1		
		1998.. 7 978	108 666	5 063	—	2 915	20	7		
		1997.. 8 111	95 227	5 697	—	2 414	X	X		
3152	Cut & sew apparel mfg	1999.. 430 672	4 317 561	310 729	D	119 943	4	5		
		1998.. 479 040	4 623 092	342 183	D	136 857	2	1		
		1997.. 492 393	4 801 797	352 440	D	139 953	X	X		
31521	Cut & sew apparel contractors	1999.. 132 863	1 297 106	93 180	S	39 682	10	11		
		1998.. 212 137	1 837 684	145 981	S	66 156	4	2		
		1997.. 225 238	2 008 442	162 141	—	63 097	X	X		
315211	Men's & boys' cut & sew apparel contractors	1999.. 33 044	384 473	21 547	594	11 496	10	12		
		1998.. 40 255	429 924	24 747	—	15 508	7	2		
		1997.. 30 067	346 075	22 425	—	7 642	X	X		
315212	Women's, girls', & infants' cut & sew apparel contractors	1999.. 99 819	912 633	71 633	S	28 186	12	15		
		1998.. 171 882	1 407 760	121 234	S	50 648	4	3		
		1997.. 195 171	1 662 367	139 716	—	55 455	X	X		
31522	Men's & boys' cut & sew apparel mfg	1999.. 144 481	1 593 517	105 245	D	39 236	4	5		
		1998.. 123 859	1 439 591	91 884	D	31 975	1	1		
		1997.. 129 392	1 479 108	90 549	D	38 843	X	X		
315221	Men's & boys' cut & sew underwear & nightwear mfg	1999.. 7 299	77 419	3 523	—	3 776	7	6		
		1998.. 4 901	50 798	2 937	—	1 964	1	1		
		1997.. 11 035	105 470	5 486	—	5 549	X	X		
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1999.. 14 708	151 127	10 660	—	4 048	14	4		
		1998.. 14 868	144 707	10 826	—	4 042	1	1		
		1997.. 16 085	149 767	11 509	—	4 576	X	X		
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	1999.. 38 519	476 756	28 205	D	10 314	7	5		
		1998.. 30 771	377 390	24 100	D	6 670	2	3		
		1997.. 37 121	451 137	28 176	—	8 945	X	X		
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	1999.. 60 923	606 399	44 084	—	16 839	6	6		
		1998.. 45 397	549 736	33 056	—	12 341	1	2		
		1997.. 37 907	427 334	25 008	—	12 899	X	X		
315225	Men's & boys' cut & sew work clothing mfg	1999.. 14 276	178 888	11 813	—	2 463	2	53		
		1998.. 16 194	183 889	12 202	—	3 992	2	3		
		1997.. 14 987	205 512	11 154	—	3 833	X	X		

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
315	Apparel mfg—Con.								
3152	Cut & sew apparel mfg—Con.								
31522	Men's & boys' cut & sew apparel mfg—Con.								
315228	Men's & boys' cut & sew other outerwear mfg ..	1999.. 8 756	102 927	6 959	—	1 797	8	15	
		1998.. 11 728	133 069	8 762	—	2 965	2	4	
		1997.. 12 257	139 888	9 216	—	3 041	X	X	
31523	Women's & girls' cut & sew apparel mfg.....	1999.. 138 060	1 242 875	100 207	839	37 853	6	9	
		1998.. 130 455	1 195 411	94 183	—	36 272	3	3	
		1997.. 124 238	1 138 306	88 496	—	35 742	X	X	
315231	Women's & girls' cut/sew lingerie & nightwear mfg	1999.. 15 622	210 483	13 342	—	2 280	10	12	
		1998.. 14 895	206 947	12 386	—	2 509	5	4	
		1997.. 16 709	242 349	14 310	—	2 399	X	X	
315232	Women's & girls' cut & sew blouse & shirt mfg	1999.. 33 141	246 608	21 869	634	11 272	17	24	
		1998.. 21 892	180 235	15 382	—	6 510	6	5	
		1997.. 17 526	141 706	12 112	—	5 414	X	X	
315233	Women's & girls' cut & sew dress mfg	1999.. 22 569	174 312	16 443	—	6 126	11	8	
		1998.. 21 351	181 106	16 540	—	4 811	6	11	
		1997.. 23 080	168 000	15 529	—	7 551	X	X	
315234	Women's & girls' cut & sew suit, coat, skirt mfg	1999.. 11 407	91 968	7 402	—	4 005	23	19	
		1998.. 13 110	97 467	8 434	—	4 677	1	3	
		1997.. 13 877	108 312	9 122	—	4 755	X	X	
315239	Women's & girls' cut & sew other outerwear mfg	1999.. 55 322	519 504	41 152	D	14 170	10	15	
		1998.. 59 206	529 656	41 441	D	17 765	4	5	
		1997.. 53 046	477 939	37 423	—	15 623	X	X	
31529	Other cut & sew apparel mfg	1999.. 15 269	184 063	12 098	D	3 171	7	16	
		1998.. 12 589	150 407	10 135	D	2 454	10	5	
		1997.. 13 525	175 941	11 254	D	2 271	X	X	
315291	Infants' cut & sew apparel mfg	1999.. 6 409	87 745	5 115	D	1 294	15	38	
		1998.. 4 973	74 300	4 397	D	576	1	1	
		1997.. 4 773	77 441	4 223	D	550	X	X	
315292	Fur & leather apparel mfg	1999.. 1 720	17 369	1 482	—	238	13	9	
		1998.. 1 302	11 430	1 113	—	190	18	13	
		1997.. 1 494	13 292	1 314	—	180	X	X	
315299	All other cut & sew apparel mfg	1999.. 7 140	78 949	5 500	—	1 640	3	11	
		1998.. 6 313	64 677	4 625	—	1 688	23	7	
		1997.. 7 258	85 208	5 717	—	1 541	X	X	
3159	Apparel accessories & other apparel mfg.....	1999.. 38 048	395 120	27 914	S	10 134	2	3	
		1998.. 37 490	384 305	27 035	—	10 455	3	4	
		1997.. 35 903	356 321	25 337	—	10 566	X	X	
31599	Apparel accessories & other apparel mfg.....	1999.. 38 048	395 120	27 914	S	10 134	2	3	
		1998.. 37 490	384 305	27 035	—	10 455	3	4	
		1997.. 35 903	356 321	25 337	—	10 566	X	X	
315991	Hat, cap, & millinery mfg	1999.. 9 934	98 406	6 994	S	2 941	6	7	
		1998.. 10 159	105 412	7 254	—	2 905	2	2	
		1997.. 9 776	100 493	6 976	—	2 800	X	X	
315992	Glove & mitten mfg	1999.. 4 104	48 437	3 035	—	1 069	7	15	
		1998.. 4 695	53 819	3 227	—	1 468	2	1	
		1997.. 4 527	49 149	3 049	—	1 478	X	X	
315993	Men's & boys' neckwear mfg	1999.. 2 268	19 806	1 657	—	611	10	6	
		1998.. 2 732	22 232	1 814	—	918	2	8	
		1997.. 2 907	28 734	2 099	—	808	X	X	
315999	Other apparel accessories & other apparel mfg	1999.. 21 742	228 471	16 229	—	5 513	3	4	
		1998.. 19 904	202 841	14 740	—	5 164	5	7	
		1997.. 18 693	177 945	13 213	—	5 480	X	X	
316	Leather & allied product mfg	1999.. 82 378	842 866	56 351	865	26 028	2	4	
		1998.. 86 326	877 643	58 622	943	27 704	2	2	
		1997.. 93 127	938 329	62 032	1 419	31 095	X	X	
3161	Leather & hide tanning & finishing	1999.. 37 671	340 176	20 806	D	16 866	4	5	
		1998.. 37 832	346 906	21 280	D	16 552	2	3	
		1997.. 42 378	377 208	22 757	—	19 621	X	X	
31611	Leather & hide tanning & finishing	1999.. 37 671	340 176	20 806	D	16 866	4	5	
		1998.. 37 832	346 906	21 280	D	16 552	2	3	
		1997.. 42 378	377 208	22 757	D	19 621	X	X	
316110	Leather & hide tanning & finishing	1999.. 37 671	340 176	20 806	D	16 866	4	5	
		1998.. 37 832	346 906	21 280	D	16 552	2	3	
		1997.. 42 378	377 208	22 757	D	19 621	X	X	
3162	Footwear mfg.....	1999.. 26 584	313 206	22 636	—	3 947	3	5	
		1998.. 26 593	296 898	21 691	—	4 903	4	7	
		1997.. 30 020	341 522	24 394	D	5 626	X	X	
31621	Footwear mfg.....	1999.. 26 584	313 206	22 636	—	3 947	3	5	
		1998.. 26 593	296 898	21 691	—	4 903	4	7	
		1997.. 30 020	341 522	24 394	D	5 626	X	X	
316211	Rubber & plastics footwear mfg	1999.. D	92 825	7 025	—	D	4	X	
		1998.. D	92 079	6 808	—	D	2	X	
		1997.. D	103 079	7 460	—	D	X	X	
316212	House slipper mfg	1999.. D	24 270	1 701	D	D	1	X	
		1998.. D	24 157	1 689	D	D	4	X	
		1997.. D	23 947	1 806	D	D	X	X	
316213	Men's footwear (except athletic) mfg.....	1999.. 10 928	144 182	10 045	—	884	6	14	
		1998.. 10 078	129 847	9 157	—	921	4	16	
		1997.. 11 753	149 553	10 199	—	1 554	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
316	Leather & allied product mfg—Con.								
3162	Footwear mfg—Con.								
31621	Footwear mfg—Con.								
316214	Women's footwear (except athletic) mfg.....	1999.. 3 186	33 039	2 399	—	787	9	16	
		1998.. 2 838	25 734	2 207	—	631	38	5	
		1997.. 4 118	43 840	3 302	—	816	X	X	
316219	Other footwear mfg.....	1999.. 1 677	18 891	1 467	—	210	7	42	
		1998.. 2 436	25 081	1 829	—	606	8	46	
		1997.. 2 000	21 103	1 627	—	373	X	X	
3169	Other leather & allied product mfg.....	1999.. 18 123	189 484	12 908	D	5 215	3	11	
		1998.. 21 900	233 839	15 651	D	6 249	2	4	
		1997.. 20 729	219 599	14 881	—	5 848	X	X	
31699	Other leather & allied product mfg.....	1999.. 18 123	189 484	12 908	D	5 215	3	11	
		1998.. 21 900	233 839	15 651	D	6 249	2	4	
		1997.. 20 729	219 599	14 881	—	5 848	X	X	
316991	Luggage mfg.....	1999.. 6 362	79 543	5 045	—	1 317	4	11	
		1998.. 6 933	85 520	5 498	—	1 436	2	1	
		1997.. 7 158	85 107	5 615	—	1 543	X	X	
316992	Women's handbag & purse mfg.....	1999.. 1 483	10 630	959	—	525	3	9	
		1998.. 1 749	13 385	1 083	—	666	1	7	
		1997.. 1 763	14 422	1 144	—	619	X	X	
316993	Personal leather good (except women's handbag & purse) mfg.....	1999.. 2 023	18 929	1 550	D	472	5	11	
		1998.. 2 486	24 099	1 831	D	655	3	3	
		1997.. 2 656	25 216	1 950	—	706	X	X	
316999	All other leather good mfg.....	1999.. 8 255	80 382	5 354	—	2 901	5	18	
		1998.. 10 732	110 836	7 239	—	3 492	5	7	
		1997.. 9 152	94 854	6 172	—	2 980	X	X	
321	Wood product mfg.....	1999.. 1 601 965	23 333 569	1 146 591	553 071	455 374	1	1	
		1998.. 1 530 422	22 280 704	1 112 116	621 889	418 306	1	1	
		1997.. 1 512 313	21 861 363	1 095 563	578 072	416 750	X	X	
3211	Sawmills & wood preservation.....	1999.. 559 772	7 635 889	396 227	441 752	163 545	2	3	
		1998.. 528 623	7 214 562	382 162	505 896	146 461	1	2	
		1997.. 522 092	7 129 981	373 861	446 243	148 231	X	X	
32111	Sawmills & wood preservation.....	1999.. 559 772	7 635 889	396 227	441 752	163 545	2	3	
		1998.. 528 623	7 214 562	382 162	505 896	146 461	1	2	
		1997.. 522 092	7 129 981	373 861	446 243	148 231	X	X	
321113	Sawmills.....	1999.. 518 600	7 276 897	374 842	441 752	143 758	2	3	
		1998.. 490 541	6 876 109	363 071	505 896	127 470	1	3	
		1997.. 483 126	6 797 781	354 909	446 243	128 217	X	X	
321114	Wood preservation.....	1999.. 41 172	358 992	21 385	—	19 787	3	9	
		1998.. 38 082	338 453	19 090	—	18 992	2	4	
		1997.. 38 966	332 200	18 952	—	20 014	X	X	
3212	Veneer, plywood, & engineered wood product mfg.....	1999.. 623 198	10 049 135	427 155	76 608	196 043	1	1	
		1998.. 598 755	9 641 286	418 543	94 765	180 212	1	1	
		1997.. 601 981	9 538 056	424 575	112 696	177 406	X	X	
32121	Veneer, plywood, & engineered wood product mfg.....	1999.. 623 198	10 049 135	427 155	76 608	196 043	1	1	
		1998.. 598 755	9 641 286	418 543	94 765	180 212	1	1	
		1997.. 601 981	9 538 056	424 575	112 696	177 406	X	X	
321211	Hardwood veneer & plywood mfg.....	1999.. 54 284	715 521	39 199	D	15 084	2	13	
		1998.. 52 999	735 906	38 858	D	14 141	2	3	
		1997.. 51 302	705 660	38 017	D	13 285	X	X	
321212	Softwood veneer & plywood mfg.....	1999.. 157 163	2 674 587	111 866	D	45 297	1	3	
		1998.. 153 330	2 693 745	112 385	D	40 945	1	3	
		1997.. 158 317	2 732 939	116 459	D	41 858	X	X	
321213	Engineered wood member (except truss) mfg..	1999.. 26 520	478 377	19 846	—	6 674	4	6	
		1998.. 22 193	411 121	17 964	—	4 228	1	6	
		1997.. 22 279	390 998	18 052	—	4 227	X	X	
321214	Truss mfg.....	1999.. 22 143	238 483	14 844	—	7 299	3	7	
		1998.. 22 338	232 837	13 885	—	8 454	4	11	
		1997.. 19 208	200 421	12 164	—	7 044	X	X	
321219	Reconstituted wood product mfg.....	1999.. 363 088	5 942 166	241 400	D	121 688	1	1	
		1998.. 347 895	5 567 677	235 451	D	112 444	1	1	
		1997.. 350 875	5 508 038	239 883	D	110 992	X	X	
3219	Other wood product mfg.....	1999.. 418 995	5 648 545	323 208	34 711	95 786	1	3	
		1998.. 403 045	5 424 857	311 411	21 228	91 633	1	2	
		1997.. 388 240	5 193 326	297 127	19 133	91 113	X	X	
32191	Millwork.....	1999.. 232 966	3 407 335	187 079	D	45 887	2	4	
		1998.. 220 645	3 285 012	179 223	D	41 422	1	3	
		1997.. 213 059	3 145 235	170 536	D	42 523	X	X	
321911	Wood window & door mfg.....	1999.. 79 015	1 197 498	61 811	D	17 205	3	8	
		1998.. 75 733	1 133 085	60 668	—	15 066	2	2	
		1997.. 72 130	1 065 906	56 787	—	15 343	X	X	
321912	Cut stock, resawing lumber, & planing.....	1999.. 92 950	1 263 007	73 501	D	19 450	4	5	
		1998.. 88 846	1 237 922	70 108	D	18 739	2	6	
		1997.. 85 927	1 183 669	66 593	D	19 334	X	X	
321918	Other millwork (including flooring).....	1999.. 61 001	946 830	51 768	D	9 233	3	8	
		1998.. 56 065	914 005	48 448	D	7 617	2	6	
		1997.. 55 002	895 660	47 156	D	7 846	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D			
321	Wood product mfg—Con.							
3219	Other wood product mfg—Con.							
32192	Wood container & pallet mfg	1999.. 67 316	793 025	48 165	S	19 150	2	7
		1998.. 69 439	792 101	48 930	S	20 509	1	3
		1997.. 66 246	766 310	47 160	S	19 086	X	X
321920	Wood container & pallet mfg	1999.. 67 316	793 025	48 165	S	19 150	2	7
		1998.. 69 439	792 101	48 930	S	20 509	1	3
		1997.. 66 246	766 310	47 160	S	19 086	X	X
32199	All other wood product mfg	1999.. 118 713	1 448 186	87 964	D	30 749	2	4
		1998.. 112 960	1 347 744	83 258	D	29 703	1	4
		1997.. 108 935	1 281 781	79 431	D	29 504	X	X
321991	Manufactured home (mobile home) mfg	1999.. 31 977	381 455	25 530	—	6 448	2	7
		1998.. 32 419	390 263	25 203	—	7 216	1	2
		1997.. 30 559	354 271	23 178	—	7 381	X	X
321992	Prefabricated wood building mfg	1999.. 15 489	169 248	10 186	—	5 303	3	7
		1998.. 15 774	159 360	9 792	—	5 983	5	13
		1997.. 14 044	147 142	9 041	—	5 003	X	X
321999	All other miscellaneous wood product mfg	1999.. 71 246	897 483	52 248	D	18 998	4	5
		1998.. 64 767	798 121	48 263	D	16 504	1	4
		1997.. 64 332	780 368	47 212	D	17 120	X	X
322	Paper mfg	1999.. 5 963 117	70 693 203	2 918 869	43 696 258	3 044 248	1	1
		1998.. 5 929 870	72 605 312	2 910 744	46 347 551	3 019 126	1	1
		1997.. 6 274 284	70 052 067	2 910 025	44 958 910	3 364 259	X	X
3221	Pulp, paper, & paperboard mills	1999.. 4 947 858	58 609 636	2 213 080	43 682 609	2 734 778	1	1
		1998.. 4 926 725	60 795 192	2 209 596	46 307 130	2 717 129	1	1
		1997.. 5 267 643	58 654 352	2 230 784	44 959 981	3 036 859	X	X
32211	Pulp mills	1999.. 199 345	1 848 730	71 989	2 397 790	127 357	4	1
		1998.. 199 978	1 866 698	75 101	2 162 434	124 877	1	2
		1997.. 217 771	1 707 732	72 262	2 435 300	145 509	X	X
322110	Pulp mills	1999.. 199 345	1 848 730	71 989	2 397 790	127 357	4	1
		1998.. 199 978	1 866 698	75 101	2 162 434	124 877	1	2
		1997.. 217 771	1 707 732	72 262	2 435 300	145 509	X	X
32212	Paper mills	1999.. 2 950 017	37 531 575	1 416 037	25 530 328	1 533 981	1	1
		1998.. 2 951 478	40 385 388	1 434 320	27 883 337	1 517 158	1	1
		1997.. 3 213 063	38 653 171	1 473 724	25 774 198	1 739 339	X	X
322121	Paper (except newsprint) mills	1999.. 2 427 959	26 850 909	1 070 985	22 199 784	1 356 975	1	1
		1998.. 2 377 381	27 800 000	1 042 598	23 287 000	1 334 783	2	1
		1997.. 2 606 287	26 641 667	1 086 483	21 586 383	1 519 804	X	X
322122	Newsprint mills	1999.. 522 058	10 680 666	345 052	3 330 544	177 006	1	1
		1998.. 574 097	12 585 388	391 722	4 596 337	182 375	3	1
		1997.. 606 776	12 011 504	387 241	4 187 815	219 535	X	X
32213	Paperboard mills	1999.. 1 798 495	19 229 331	725 055	15 754 491	1 073 441	1	1
		1998.. 1 775 269	18 543 107	700 175	16 261 359	1 075 094	1	1
		1997.. 1 836 809	18 293 449	684 798	16 750 483	1 152 011	X	X
322130	Paperboard mills	1999.. 1 798 495	19 229 331	725 055	15 754 491	1 073 441	1	1
		1998.. 1 775 269	18 543 107	700 175	16 261 359	1 075 094	1	1
		1997.. 1 836 809	18 293 449	684 798	16 750 483	1 152 011	X	X
3222	Converted paper product mfg	1999.. 1 015 259	12 083 567	705 789	5 309 470	309 470	1	2
		1998.. 1 003 145	11 810 119	701 148	5 301 997	301 997	1	2
		1997.. 1 006 641	11 397 715	679 241	5 327 400	327 400	X	X
32221	Paperboard container mfg	1999.. 549 567	6 210 080	377 073	D	172 494	1	2
		1998.. 548 517	6 166 221	382 798	D	165 719	1	3
		1997.. 541 941	5 824 745	358 855	D	183 086	X	X
322211	Corrugated & solid fiber box mfg	1999.. 370 225	3 760 460	232 912	D	137 313	1	3
		1998.. 361 312	3 627 627	229 481	D	131 831	2	3
		1997.. 357 954	3 432 630	215 139	D	142 815	X	X
322212	Folding paperboard box mfg	1999.. 101 688	1 343 808	83 044	S	18 644	2	7
		1998.. 111 654	1 449 522	89 417	—	22 238	1	2
		1997.. 109 340	1 359 925	85 707	—	23 633	X	X
322213	Setup paperboard box mfg	1999.. 6 594	60 522	4 448	2	2 146	6	6
		1998.. S	S	S	S	S	X	X
		1997.. 7 604	73 019	5 013	—	2 591	X	X
322214	Fiber can, tube, drum, & similar products mfg ..	1999.. 25 590	294 569	18 740	D	6 850	3	5
		1998.. 23 250	273 398	17 288	D	5 963	2	3
		1997.. 23 651	267 511	17 208	D	6 443	X	X
322215	Nonfolding sanitary food container mfg	1999.. 45 470	750 721	37 930	—	7 540	1	5
		1998.. 43 715	678 266	36 368	—	7 347	1	2
		1997.. 43 392	691 660	35 788	—	7 604	X	X
32222	Paper bag & coated & treated paper mfg	1999.. 246 650	2 835 056	160 295	D	86 355	1	2
		1998.. 244 738	2 812 063	155 902	D	88 837	1	2
		1997.. 259 282	2 827 607	158 498	D	100 784	X	X
322221	Coated & laminated packaging paper & plastics film mfg	1999.. 23 655	297 590	16 997	—	6 657	6	4
		1998.. 21 545	257 742	14 933	—	6 612	7	25
		1997.. 22 751	270 926	15 844	—	6 907	X	X
322222	Coated & laminated paper mfg	1999.. 157 750	1 669 719	95 170	D	62 580	1	2
		1998.. 154 017	1 646 240	91 144	D	62 873	1	1
		1997.. 166 078	1 662 798	92 811	D	73 267	X	X
322223	Plastics, foil, & coated paper bag mfg	1999.. 4 712	53 812	3 478	—	1 235	7	4
		1998.. 5 535	57 966	4 213	—	1 321	2	7
		1997.. 5 603	61 068	4 299	—	1 304	X	X
322224	Uncoated paper & multiwall bag mfg	1999.. 28 499	403 999	21 868	S	6 632	4	7
		1998.. 28 058	406 447	21 821	—	6 237	1	2
		1997.. 28 289	408 930	21 913	—	6 376	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
322	Paper mfg—Con.							
3222	Converted paper product mfg—Con.							
32222	Paper bag & coated & treated paper mfg—Con.							
322225	Laminated aluminum foil mfg for flexible packaging uses	1999.. 21 460	258 592	14 672	—	6 788	1	5
		1998.. 23 874	290 876	15 247	—	8 627	3	1
		1997.. 25 260	271 216	14 937	—	10 323	X	X
322226	Surface-coated paperboard mfg.....	1999.. 10 573	151 344	8 110	—	2 463	5	19
		1998.. 11 709	152 792	8 543	—	3 166	1	6
		1997.. 11 301	152 669	8 694	—	2 607	X	X
32223	Stationery product mfg.....	1999.. 79 463	994 234	63 911	S	15 552	2	6
		1998.. 72 148	906 240	56 952	S	15 195	7	18
		1997.. 73 534	967 051	64 149	—	9 385	X	X
322231	Die-cut paper & paperboard office supplies mfg	1999.. 13 775	181 536	11 661	S	2 114	8	14
		1998.. 13 392	176 217	11 064	S	2 328	1	6
		1997.. 12 314	150 036	9 983	—	2 331	X	X
322232	Envelope mfg.....	1999.. 53 104	658 426	42 030	—	11 074	2	8
		1998.. 47 439	582 393	36 711	—	10 728	11	25
		1997.. 49 455	668 850	44 839	—	4 616	X	X
322233	Stationery, tablet, & related product mfg.....	1999.. 12 585	154 272	10 221	—	2 364	1	8
		1998.. 11 317	147 630	9 178	—	2 139	3	4
		1997.. 11 765	148 165	9 327	—	2 438	X	X
32229	Other converted paper product mfg.....	1999.. 139 579	2 044 197	104 510	S	35 069	4	8
		1998.. 137 742	1 925 595	105 496	S	32 246	1	3
		1997.. 131 884	1 778 312	97 739	S	34 145	X	X
322291	Sanitary paper product mfg.....	1999.. 54 435	1 025 758	48 187	S	6 248	5	3
		1998.. 59 361	1 102 286	54 019	S	5 342	1	18
		1997.. 63 938	1 055 559	52 502	S	11 436	X	X
322299	All other converted paper product mfg	1999.. 85 144	1 018 439	56 323	S	28 821	7	10
		1998.. 78 381	823 309	51 477	S	26 903	3	2
		1997.. 67 946	722 753	45 237	S	22 709	X	X
323	Printing & related support activities	1999.. 1 192 021	15 073 001	915 937	S	276 084	1	3
		1998.. 1 161 255	14 748 853	898 565	S	262 690	1	2
		1997.. 1 132 381	14 287 756	862 966	S	269 415	X	X
3231	Printing & related support activities	1999.. 1 192 021	15 073 001	915 937	S	276 084	1	3
		1998.. 1 161 255	14 748 853	898 565	S	262 690	1	2
		1997.. 1 132 381	14 287 756	862 966	S	269 415	X	X
32311	Printing	1999.. 1 116 300	14 087 854	855 366	S	260 933	1	3
		1998.. 1 084 170	13 753 733	835 866	S	248 304	1	2
		1997.. 1 058 338	13 346 932	804 256	S	254 082	X	X
323110	Commercial lithographic printing	1999.. 655 920	8 256 975	507 956	S	147 965	2	4
		1998.. 629 425	8 009 560	490 837	S	138 588	1	4
		1997.. 618 710	7 748 130	475 271	S	143 439	X	X
323111	Commercial gravure printing.....	1999.. 90 705	1 317 795	60 833	—	29 873	2	2
		1998.. 94 262	1 323 599	64 335	—	29 927	1	3
		1997.. 87 613	1 255 661	59 924	—	27 689	X	X
323112	Commercial flexographic printing.....	1999.. 46 036	605 534	36 819	—	9 217	2	10
		1998.. 46 237	578 072	35 804	—	10 433	2	6
		1997.. 43 325	539 953	33 884	—	9 441	X	X
323113	Commercial screen printing.....	1999.. 75 545	784 654	53 763	—	21 782	4	7
		1998.. 72 891	790 474	52 601	—	20 290	7	9
		1997.. 75 736	771 158	51 818	—	23 918	X	X
323114	Quick printing.....	1999.. 41 849	485 548	33 881	—	7 968	3	33
		1998.. 42 879	483 963	33 417	—	9 462	13	6
		1997.. 36 746	414 150	27 402	—	9 344	X	X
323115	Digital printing	1999.. 4 425	51 239	3 602	—	824	6	8
		1998.. 4 048	42 541	2 924	—	1 124	1	13
		1997.. 3 442	38 469	2 590	—	852	X	X
323116	Manifold business form printing	1999.. 77 560	976 222	61 572	—	15 988	3	8
		1998.. 71 123	917 688	58 313	—	12 810	4	2
		1997.. 72 526	992 741	59 010	—	13 516	X	X
323117	Book printing	1999.. 77 266	1 089 538	60 698	—	16 567	2	5
		1998.. 71 779	1 029 758	57 303	—	14 475	2	5
		1997.. 70 825	1 028 126	55 509	—	15 316	X	X
323118	Blankbook, looseleaf binder, & device mfg.....	1999.. 14 804	180 590	12 596	—	2 209	3	9
		1998.. 17 146	210 094	14 363	—	2 784	4	4
		1997.. 17 163	210 638	14 388	—	2 775	X	X
323119	Other commercial printing	1999.. 32 190	339 759	23 648	—	8 541	8	16
		1998.. 34 382	367 985	25 969	—	8 413	6	8
		1997.. 32 252	347 906	24 460	—	7 792	X	X
32312	Support activities for printing.....	1999.. 75 721	985 148	60 570	—	15 151	4	6
		1998.. 77 085	995 119	62 699	—	14 386	3	4
		1997.. 74 043	940 824	58 710	—	15 333	X	X
323121	Tradebinding & related work	1999.. 29 875	430 485	23 638	—	6 237	4	11
		1998.. 29 361	436 882	23 277	—	6 084	5	3
		1997.. 26 806	392 985	20 414	—	6 392	X	X
323122	Prepress services	1999.. 45 846	554 663	36 932	—	8 913	6	7
		1998.. 47 724	558 237	39 422	—	8 301	3	6
		1997.. 47 237	547 839	38 296	—	8 941	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)	C		E	C	E
			Quantity (1,000 kWh)	Cost (\$1,000)						
			A	B	C	D		E	C	E
324	Petroleum & coal products mfg	1999..	4 892 746	33 550 406	1 481 826	15 083 521	3 410 921	1	1	
		1998..	4 378 239	33 810 947	1 465 773	13 969 030	2 912 467	1	1	
		1997..	4 710 953	39 986 851	1 909 641	9 087 663	2 801 312	X	X	
3241	Petroleum & coal products mfg	1999..	4 892 746	33 550 406	1 481 826	15 083 521	3 410 921	1	1	
		1998..	4 378 239	33 810 947	1 465 773	13 969 030	2 912 467	1	1	
		1997..	4 710 953	39 986 851	1 909 641	9 087 663	2 801 312	X	X	
32411	Petroleum refineries	1999..	4 391 330	30 574 151	1 296 484	15 034 310	3 094 846	1	1	
		1998..	3 873 669	30 816 592	1 281 883	13 837 013	2 591 785	1	1	
		1997..	4 181 276	37 019 576	1 725 681	8 940 712	2 455 595	X	X	
324110	Petroleum refineries	1999..	4 391 330	30 574 151	1 296 484	15 034 310	3 094 846	1	1	
		1998..	3 873 669	30 816 592	1 281 883	13 837 013	2 591 785	1	1	
		1997..	4 181 276	37 019 576	1 725 681	8 940 712	2 455 595	X	X	
32412	Asphalt paving, roofing, & saturated materials mfg	1999..	414 407	2 217 036	144 592	D	269 815	3	2	
		1998..	406 866	2 207 460	142 840	D	264 026	3	2	
		1997..	404 470	2 176 191	139 924	D	264 546	X	X	
324121	Asphalt paving mixture & block mfg	1999..	325 659	1 439 319	102 262	D	223 397	4	3	
		1998..	309 960	1 366 070	97 300	D	212 660	4	3	
		1997..	307 656	1 352 839	95 695	D	211 961	X	X	
324122	Asphalt shingle & coating materials mfg	1999..	88 748	777 718	42 331	D	46 417	1	3	
		1998..	96 906	841 391	45 539	D	51 367	1	2	
		1997..	96 814	823 352	44 229	D	52 585	X	X	
32419	Other petroleum & coal products mfg	1999..	87 010	759 219	40 750	D	46 260	2	3	
		1998..	97 705	786 894	41 550	D	56 655	2	1	
		1997..	125 207	791 084	44 036	D	81 171	X	X	
324191	Petroleum lubricating oil & grease mfg	1999..	49 086	422 024	25 136	—	23 950	2	4	
		1998..	58 644	448 533	25 059	—	33 584	2	2	
		1997..	56 163	388 499	25 536	—	30 627	X	X	
324199	All other petroleum & coal products mfg	1999..	37 924	337 195	15 614	D	22 310	3	4	
		1998..	39 061	338 361	15 990	D	23 070	5	1	
		1997..	69 044	402 585	18 500	D	50 544	X	X	
325	Chemical mfg	1999..	12 274 434	156 945 358	5 959 041	35 576 536	6 315 394	1	1	
		1998..	11 483 556	152 539 603	5 888 317	32 657 444	5 595 239	1	1	
		1997..	11 719 648	157 082 253	5 877 499	27 051 632	5 842 149	X	X	
3251	Basic chemical mfg	1999..	6 869 915	96 223 451	3 220 404	24 414 665	3 649 511	1	2	
		1998..	6 502 315	94 641 574	3 266 398	18 746 540	3 235 918	1	1	
		1997..	6 759 780	101 717 750	3 299 597	15 925 121	3 460 183	X	X	
32511	Petrochemical mfg	1999..	1 274 542	5 518 057	211 719	6 572 941	1 062 823	1	1	
		1998..	1 017 634	4 802 229	186 870	1 259 816	830 764	1	1	
		1997..	987 936	3 887 828	161 955	1 745 783	825 981	X	X	
325110	Petrochemical mfg	1999..	1 274 542	5 518 057	211 719	6 572 941	1 062 823	1	1	
		1998..	1 017 634	4 802 229	186 870	1 259 816	830 764	1	1	
		1997..	987 936	3 887 828	161 955	1 745 783	825 981	X	X	
32512	Industrial gas mfg	1999..	962 723	19 068 372	705 265	—	257 458	2	6	
		1998..	946 963	20 047 040	746 674	—	200 289	1	1	
		1997..	884 803	18 799 015	704 038	—	180 765	X	X	
325120	Industrial gas mfg	1999..	962 723	19 068 372	705 265	—	257 458	2	6	
		1998..	946 963	20 047 040	746 674	—	200 289	1	1	
		1997..	884 803	18 799 015	704 038	—	180 765	X	X	
32513	Dye & pigment mfg	1999..	250 964	3 020 395	128 666	—	122 298	2	2	
		1998..	255 382	3 025 346	131 245	—	124 137	1	1	
		1997..	260 589	3 332 625	132 048	—	128 541	X	X	
325131	Inorganic dye & pigment mfg	1999..	176 876	2 332 916	89 655	—	87 221	1	2	
		1998..	188 552	2 389 665	95 258	—	93 294	1	1	
		1997..	189 187	2 497 102	93 756	—	95 431	X	X	
325132	Synthetic organic dye & pigment mfg	1999..	74 088	687 479	39 011	—	35 077	5	3	
		1998..	66 829	635 681	35 987	—	30 843	1	1	
		1997..	71 402	835 523	38 292	—	33 110	X	X	
32518	Other basic inorganic chemical mfg	1999..	1 705 517	44 384 149	1 243 284	4 886 542	462 234	2	2	
		1998..	1 692 709	41 930 312	1 232 407	3 993 897	460 302	1	3	
		1997..	1 735 463	49 422 372	1 306 092	3 304 377	429 371	X	X	
325181	Alkalies & chlorine mfg	1999..	482 314	11 951 149	352 672	D	129 642	1	1	
		1998..	495 842	10 606 303	365 011	D	130 831	1	1	
		1997..	527 228	12 638 258	382 104	D	145 124	X	X	
325182	Carbon black mfg	1999..	D	744 183	29 985	D	D	2	X	
		1998..	D	719 348	32 982	D	D	5	X	
		1997..	D	653 103	30 755	D	D	X	X	
325188	All other basic inorganic chemical mfg	1999..	D	31 688 818	860 626	1 056 846	D	2	X	
		1998..	D	30 604 661	834 413	913 765	D	1	X	
		1997..	D	36 131 011	893 233	52 199	D	X	X	
32519	Other basic organic chemical mfg	1999..	2 676 169	24 232 477	931 470	12 955 182	1 744 699	3	4	
		1998..	2 589 629	24 836 646	969 202	13 492 827	1 620 427	1	1	
		1997..	2 890 989	26 275 910	995 464	10 874 961	1 895 525	X	X	
325191	Gum & wood chemical mfg	1999..	25 934	223 603	9 527	—	16 407	2	1	
		1998..	26 638	232 775	9 770	—	16 867	2	1	
		1997..	26 731	220 431	9 462	—	17 269	X	X	
325192	Cyclic crude & intermediate mfg	1999..	252 055	2 762 507	104 514	277 305	147 540	1	1	
		1998..	258 819	3 303 265	116 319	287 764	142 500	1	1	
		1997..	300 375	3 243 433	129 212	319 652	171 163	X	X	
325193	Ethyl alcohol mfg	1999..	126 259	659 916	25 990	443 371	100 268	12	11	
		1998..	82 230	372 112	15 951	514 526	66 280	12	20	
		1997..	103 856	431 975	20 194	498 762	83 662	X	X	
325199	All other basic organic chemical mfg	1999..	2 271 921	20 586 451	791 439	12 234 506	1 480 483	4	4	
		1998..	2 221 942	20 928 494	827 162	12 690 537	1 394 780	1	1	
		1997..	2 460 027	22 380 071	836 596	10 056 547	1 623 431	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
325	Chemical mfg—Con.							
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1999.. 2 199 151	30 708 929	1 148 960	7 247 825	1 050 190	1	1
		1998.. 2 222 810	27 992 926	1 071 100	9 528 667	1 151 711	1	1
		1997.. 2 239 212	27 128 506	1 069 720	7 230 261	1 169 492	X	X
32521	Resin & synthetic rubber mfg	1999.. 1 691 694	23 122 866	867 304	6 186 142	824 391	1	2
		1998.. 1 728 119	20 682 578	808 968	8 249 648	919 151	1	1
		1997.. 1 744 365	19 927 155	798 858	5 699 008	945 507	X	X
325211	Plastics material & resin mfg	1999.. 1 500 159	21 415 986	790 922	5 996 785	709 237	1	2
		1998.. 1 535 051	18 869 245	731 387	8 117 368	803 664	1	1
		1997.. 1 523 072	18 018 300	713 974	5 538 492	809 098	X	X
325212	Synthetic rubber mfg	1999.. 191 535	1 706 880	76 381	189 357	115 154	1	1
		1998.. 193 068	1 813 333	77 581	132 280	115 487	1	1
		1997.. 221 293	1 908 855	84 884	160 516	136 409	X	X
32522	Artificial & synthetic fibers & filaments mfg	1999.. 507 456	7 586 063	281 656	D	225 800	1	1
		1998.. 494 691	7 310 348	262 132	D	232 559	1	1
		1997.. 494 847	7 201 351	270 862	D	223 985	X	X
325221	Cellulosic organic fiber mfg	1999.. D	320 824	9 866	D	D	1	X
		1998.. D	380 128	13 260	D	D	1	X
		1997.. D	411 544	13 713	D	D	X	X
325222	Noncellulosic organic fiber mfg	1999.. D	7 265 239	271 791	D	D	1	X
		1998.. D	6 930 220	248 872	D	D	1	X
		1997.. D	6 789 807	257 149	D	D	X	X
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1999.. 810 667	7 584 079	307 863	2 320 157	502 804	3	6
		1998.. 824 454	7 953 359	311 503	2 358 863	512 951	5	2
		1997.. 810 488	7 647 953	324 980	2 200 482	485 508	X	X
32531	Fertilizer mfg	1999.. 650 905	5 870 074	229 613	2 288 422	421 292	3	7
		1998.. 671 668	6 356 479	236 164	2 327 368	435 504	7	2
		1997.. 673 391	6 086 877	254 451	2 164 618	418 940	X	X
325311	Nitrogenous fertilizer mfg	1999.. 482 601	2 910 451	115 271	479 147	367 330	6	8
		1998.. 509 353	3 712 095	124 600	477 455	384 752	13	2
		1997.. 500 292	3 330 733	131 992	442 801	368 300	X	X
325312	Phosphatic fertilizer mfg	1999.. 141 326	2 687 611	98 473	1 809 275	42 853	2	4
		1998.. 131 895	2 339 842	93 955	1 849 933	37 940	1	3
		1997.. 142 801	2 461 646	105 308	1 721 817	37 493	X	X
325314	Fertilizer (mixing only) mfg	1999.. 26 978	272 012	15 869	—	11 109	7	11
		1998.. 30 420	304 542	17 608	—	12 812	4	4
		1997.. 30 298	294 498	17 151	—	13 147	X	X
32532	Pesticide & other agricultural chemical mfg	1999.. 159 761	1 714 005	78 249	31 735	81 512	8	4
		1998.. 152 786	1 596 880	75 340	31 475	77 446	1	1
		1997.. 137 097	1 561 076	70 529	35 864	66 568	X	X
325320	Pesticide & other agricultural chemical mfg	1999.. 159 761	1 714 005	78 249	31 735	81 512	8	4
		1998.. 152 786	1 596 880	75 340	31 475	77 446	1	1
		1997.. 137 097	1 561 076	70 529	35 864	66 568	X	X
3254	Pharmaceutical & medicine mfg	1999.. 861 850	10 036 937	587 956	478 260	273 895	12	1
		1998.. 791 009	9 428 569	525 273	629 990	265 736	1	1
		1997.. 766 373	8 623 291	489 119	645 584	277 254	X	X
32541	Pharmaceutical & medicine mfg	1999.. 861 850	10 036 937	587 956	478 260	273 895	12	1
		1998.. 791 009	9 428 569	525 273	629 990	265 736	1	1
		1997.. 766 373	8 623 291	489 119	645 584	277 254	X	X
325411	Medicinal & botanical mfg	1999.. 215 670	2 218 713	123 185	D	92 486	2	1
		1998.. 217 227	2 526 378	132 369	D	84 858	1	1
		1997.. 189 401	2 109 080	107 240	D	82 161	X	X
325412	Pharmaceutical preparation mfg	1999.. 477 760	5 527 900	340 990	315 560	136 771	20	1
		1998.. 409 494	4 667 480	273 981	402 169	135 513	1	1
		1997.. 421 182	4 424 965	272 999	414 691	148 183	X	X
325413	In-vitro diagnostic substance mfg	1999.. 78 584	1 039 413	62 706	—	15 877	1	4
		1998.. 77 255	1 032 534	60 577	—	16 678	4	2
		1997.. 71 739	967 666	56 169	—	15 570	X	X
325414	Biological product (except diagnostic) mfg	1999.. 89 836	1 250 911	61 074	D	28 761	5	4
		1998.. 87 034	1 202 177	58 346	D	28 688	1	1
		1997.. 84 051	1 121 580	52 711	D	31 340	X	X
3255	Paint, coating, & adhesive mfg	1999.. 206 858	2 149 948	139 283	D	67 575	8	3
		1998.. 225 036	2 444 578	159 671	D	65 365	1	3
		1997.. 217 410	2 325 409	149 628	D	67 782	X	X
32551	Paint & coating mfg	1999.. 127 528	1 414 944	90 955	D	36 573	2	4
		1998.. 132 279	1 468 757	93 753	D	38 526	2	4
		1997.. 129 032	1 412 617	88 986	D	40 046	X	X
325510	Paint & coating mfg	1999.. 127 528	1 414 944	90 955	—	36 573	2	4
		1998.. 132 279	1 468 757	93 753	—	38 526	2	4
		1997.. 129 032	1 412 617	88 986	S	40 046	X	X
32552	Adhesive mfg	1999.. 79 330	735 004	48 329	—	31 002	23	4
		1998.. 92 757	975 821	65 918	—	26 839	2	3
		1997.. 88 378	912 792	60 642	S	27 736	X	X
325520	Adhesive mfg	1999.. 79 330	735 004	48 329	—	31 002	23	4
		1998.. 92 757	975 821	65 918	—	26 839	2	3
		1997.. 88 378	912 792	60 642	S	27 736	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
325	Chemical mfg—Con.							
3256	Soap, cleaning compound, & toilet preparation mfg							
	1999..	364 147	3 966 717	218 593	D	145 554	1	3
	1998..	368 207	3 968 840	222 109	D	146 099	1	1
	1997..	378 364	3 779 985	216 905	D	161 459	X	X
32561	Soap & cleaning compound mfg							
	1999..	275 957	2 910 493	150 891	D	125 066	1	2
	1998..	266 669	2 774 748	144 618	D	122 051	1	1
	1997..	284 270	2 739 048	144 110	D	140 160	X	X
325611	Soap & other detergent mfg							
	1999..	103 426	1 186 217	61 003	D	42 423	1	2
	1998..	102 397	1 113 165	60 179	D	42 218	2	2
	1997..	100 264	1 092 970	57 445	D	42 819	X	X
325612	Polish & other sanitation good mfg							
	1999..	40 771	478 777	28 674	—	12 096	4	9
	1998..	39 893	425 211	27 302	—	12 591	3	4
	1997..	41 772	458 663	28 361	—	13 411	X	X
325613	Surface active agent mfg							
	1999..	131 760	1 245 500	61 213	—	70 547	1	2
	1998..	124 379	1 236 372	57 137	—	67 242	1	1
	1997..	142 234	1 187 415	58 304	—	83 930	X	X
32562	Toilet preparation mfg							
	1999..	88 190	1 056 224	67 702	—	20 488	3	18
	1998..	101 538	1 194 092	77 491	—	24 048	2	4
	1997..	94 094	1 040 937	72 795	—	21 299	X	X
325620	Toilet preparation mfg							
	1999..	88 190	1 056 224	67 702	—	20 488	3	18
	1998..	101 538	1 194 092	77 491	—	24 048	2	4
	1997..	94 094	1 040 937	72 795	—	21 299	X	X
3259	Other chemical product mfg							
	1999..	961 847	6 275 296	335 983	1 126 616	625 864	3	3
	1998..	549 725	6 109 756	332 264	1 044 864	217 461	1	1
	1997..	548 021	5 859 359	327 550	1 017 915	220 471	X	X
32591	Printing ink mfg							
	1999..	27 807	336 713	22 597	—	5 211	3	7
	1998..	28 765	338 487	23 648	—	5 116	7	7
	1997..	27 635	325 438	22 057	—	5 578	X	X
325910	Printing ink mfg							
	1999..	27 807	336 713	22 597	—	5 211	3	7
	1998..	28 765	338 487	23 648	—	5 116	7	7
	1997..	27 635	325 438	22 057	—	5 578	X	X
32592	Explosives mfg							
	1999..	33 844	300 176	14 712	28 532	19 131	3	19
	1998..	27 576	255 612	13 214	45 606	14 363	1	1
	1997..	28 719	267 481	13 332	41 940	15 387	X	X
325920	Explosives mfg							
	1999..	33 844	300 176	14 712	28 532	19 131	3	19
	1998..	27 576	255 612	13 214	45 606	14 363	1	1
	1997..	28 719	267 481	13 332	41 940	15 387	X	X
32599	All other chemical product & preparation mfg							
	1999..	900 196	5 638 407	298 674	1 098 084	601 522	3	3
	1998..	493 384	5 515 657	295 402	999 258	197 982	1	1
	1997..	491 667	5 266 440	292 161	975 975	199 506	X	X
325991	Custom compounding of purchased resin							
	1999..	131 844	1 859 069	107 820	—	24 024	2	11
	1998..	141 638	1 915 678	113 991	—	27 648	2	2
	1997..	142 366	1 825 567	111 358	—	31 008	X	X
325992	Photographic film, paper, plate, & chemical mfg							
	1999..	523 245	1 499 226	71 563	921 151	451 682	1	1
	1998..	135 487	1 505 013	75 240	924 179	60 247	1	1
	1997..	140 055	1 527 921	78 504	938 066	61 551	X	X
325998	All other miscellaneous chemical product & preparation mfg							
	1999..	245 107	2 280 113	119 290	176 933	125 817	7	13
	1998..	216 259	2 094 966	106 172	75 079	110 087	1	1
	1997..	209 246	1 912 952	102 299	37 909	106 947	X	X
326	Plastics & rubber products mfg							
	1999..	3 486 266	53 287 763	2 877 883	85 175	608 383	1	2
	1998..	3 331 030	50 129 965	2 751 408	60 409	579 622	1	1
	1997..	3 332 007	49 876 149	2 715 691	54 511	616 316	X	X
3261	Plastics product mfg							
	1999..	2 808 710	43 161 298	2 393 886	D	414 823	1	2
	1998..	2 689 959	40 498 050	2 291 485	D	398 473	1	1
	1997..	2 686 644	40 219 963	2 262 378	D	424 266	X	X
32611	Unsupported plastics film, sheet, & bag mfg							
	1999..	571 870	9 062 264	474 281	D	97 589	1	5
	1998..	550 112	8 705 749	452 925	D	97 187	1	2
	1997..	548 564	9 011 337	449 690	D	98 874	X	X
326111	Unsupported plastics bag mfg							
	1999..	167 285	2 492 431	148 607	D	18 679	1	5
	1998..	156 431	2 433 539	137 401	D	19 030	2	1
	1997..	151 111	2 628 541	134 217	D	16 894	X	X
326112	Unsupported plastics packaging film & sheet mfg							
	1999..	65 173	1 104 233	50 183	—	14 990	3	6
	1998..	61 032	1 041 750	47 543	—	13 489	2	6
	1997..	61 025	946 778	45 376	—	15 649	X	X
326113	Unsupported plastics film & sheet (except packaging) mfg							
	1999..	339 412	5 465 600	275 491	D	63 921	2	7
	1998..	332 648	5 230 460	267 980	D	64 668	1	3
	1997..	336 428	5 436 018	270 097	D	66 331	X	X
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg							
	1999..	205 194	3 445 660	184 426	—	20 768	2	7
	1998..	198 894	3 215 612	177 612	—	21 282	2	4
	1997..	220 858	3 554 368	198 030	—	22 828	X	X
326121	Unsupported plastics profile shape mfg							
	1999..	90 349	1 305 963	75 918	—	14 431	5	9
	1998..	90 974	1 296 605	76 083	—	14 891	2	5
	1997..	102 322	1 468 214	86 355	—	15 967	X	X
326122	Plastics pipe & pipe fitting mfg							
	1999..	114 845	2 139 697	108 508	—	6 337	2	14
	1998..	107 920	1 919 007	101 529	—	6 392	3	5
	1997..	118 536	2 086 154	111 675	—	6 861	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
326	Plastics & rubber products mfg—Con.							
3261	Plastics product mfg—Con.							
32613	Laminated plastics plate, sheet, & shape mfg	1999.. 48 407	526 188	29 510	—	18 896	4	6
		1998.. 49 664	559 315	31 245	—	18 419	1	3
		1997.. 55 255	605 840	33 767	—	21 488	X	X
326130	Laminated plastics plate, sheet, & shape mfg ..	1999.. 48 407	526 188	29 510	—	18 896	4	6
		1998.. 49 664	559 315	31 245	—	18 419	1	3
		1997.. 55 255	605 840	33 767	—	21 488	X	X
32614	Polystyrene foam product mfg	1999.. 142 534	1 815 258	93 020	D	49 514	4	5
		1998.. 129 969	1 703 190	88 083	D	41 886	1	4
		1997.. 131 592	1 493 608	81 033	D	50 559	X	X
326140	Polystyrene foam product mfg	1999.. 142 534	1 815 258	93 020	D	49 514	4	5
		1998.. 129 969	1 703 190	88 083	D	41 886	1	4
		1997.. 131 592	1 493 608	81 033	D	50 559	X	X
32615	Urethane & other foam product (except polystyrene) mfg	1999.. 70 838	823 954	47 788	—	23 050	28	4
		1998.. 84 273	1 024 978	63 759	—	20 515	3	3
		1997.. 84 818	996 172	63 451	—	21 367	X	X
326150	Urethane & other foam product (except polystyrene) mfg	1999.. 70 838	823 954	47 788	—	23 050	28	4
		1998.. 84 273	1 024 978	63 759	—	20 515	3	3
		1997.. 84 818	996 172	63 451	—	21 367	X	X
32616	Plastics bottle mfg	1999.. 263 846	4 877 878	253 213	—	10 633	2	14
		1998.. 266 957	4 592 966	256 685	—	10 272	4	5
		1997.. 239 197	4 178 581	229 458	S	9 739	X	X
326160	Plastics bottle mfg	1999.. 263 846	4 877 878	253 213	—	10 633	2	14
		1998.. 266 957	4 592 966	256 685	—	10 272	4	5
		1997.. 239 197	4 178 581	229 458	S	9 739	X	X
32619	Other plastics product mfg	1999.. 1 506 022	22 610 096	1 311 649	42 374	194 374	1	3
		1998.. 1 410 090	20 696 241	1 221 178	34 082	188 912	1	2
		1997.. 1 406 360	20 380 057	1 206 949	28 195	199 411	X	X
326191	Plastics plumbing fixture mfg	1999.. 26 726	316 584	20 106	—	6 619	5	7
		1998.. 24 082	281 831	17 924	—	6 158	3	6
		1997.. 23 412	273 032	17 418	—	5 994	X	X
326192	Resilient floor covering mfg	1999.. 38 348	436 478	29 198	—	9 150	1	1
		1998.. 41 282	462 377	30 666	—	10 616	1	1
		1997.. 40 106	435 896	29 393	—	10 713	X	X
326199	All other plastics product mfg	1999.. 1 440 949	21 857 034	1 262 344	42 374	178 605	1	3
		1998.. 1 344 726	19 952 033	1 172 588	34 082	172 138	1	2
		1997.. 1 342 842	19 671 129	1 160 138	28 195	182 704	X	X
3262	Rubber product mfg	1999.. 677 556	10 126 466	483 997	D	193 560	2	3
		1998.. 641 071	9 631 915	459 923	D	181 148	1	2
		1997.. 645 363	9 656 186	453 313	D	192 050	X	X
32621	Tire mfg	1999.. 281 116	5 008 757	195 689	—	85 426	1	1
		1998.. 281 338	4 906 425	197 192	—	84 146	1	2
		1997.. 283 363	4 855 537	193 734	S	89 629	X	X
326211	Tire mfg (except retreading)	1999.. 267 177	4 825 437	184 942	—	82 236	1	1
		1998.. 267 886	4 736 550	187 268	—	80 618	1	2
		1997.. 269 804	4 707 931	183 753	S	86 051	X	X
326212	Tire retreading	1999.. 13 939	183 320	10 748	—	3 191	4	13
		1998.. 13 452	169 875	9 924	—	3 528	6	15
		1997.. 13 559	147 606	9 981	—	3 578	X	X
32622	Rubber & plastics hoses & belting mfg	1999.. 85 103	989 913	59 566	—	25 537	14	21
		1998.. 64 381	885 435	45 264	—	19 117	1	5
		1997.. 69 087	880 486	46 671	—	22 416	X	X
326220	Rubber & plastics hoses & belting mfg	1999.. 85 103	989 913	59 566	—	25 537	14	21
		1998.. 64 381	885 435	45 264	—	19 117	1	5
		1997.. 69 087	880 486	46 671	—	22 416	X	X
32629	Other rubber product mfg	1999.. 311 337	4 127 796	228 741	D	82 597	2	3
		1998.. 295 352	3 840 055	217 467	D	77 885	1	3
		1997.. 292 913	3 920 163	212 908	D	80 005	X	X
326291	Rubber product mfg for mechanical use	1999.. 144 260	1 997 727	108 640	D	35 620	2	4
		1998.. 139 519	1 943 288	107 182	D	32 337	1	2
		1997.. 133 518	1 852 934	100 766	D	32 752	X	X
326299	All other rubber product mfg	1999.. 167 077	2 130 069	120 101	D	46 977	4	4
		1998.. 155 833	1 896 767	110 284	D	45 549	1	6
		1997.. 159 395	2 067 229	112 142	D	47 253	X	X
327	Nonmetallic mineral product mfg	1999.. 4 106 639	39 846 351	1 857 374	324 890	2 249 265	1	1
		1998.. 4 084 125	38 556 250	1 858 163	286 462	2 225 962	1	1
		1997.. 4 040 080	37 627 285	1 813 727	218 575	2 226 353	X	X
3271	Clay product & refractory mfg	1999.. 432 129	3 117 403	176 883	D	255 245	2	2
		1998.. 409 754	2 976 153	173 076	D	236 678	2	3
		1997.. 429 064	3 038 381	174 669	D	254 395	X	X
32711	Pottery, ceramics, & plumbing fixture mfg	1999.. 125 735	1 076 143	62 491	D	63 244	2	3
		1998.. 129 481	1 064 757	64 979	D	64 502	2	1
		1997.. 126 824	1 063 259	62 301	D	64 523	X	X
327111	Vitreous china plumbing fixture & bathroom accessories mfg	1999.. 39 601	325 863	15 271	D	24 329	6	5
		1998.. 39 582	302 476	15 814	D	23 768	1	1
		1997.. 39 446	298 504	14 874	D	24 572	X	X
327112	Vitreous china, fine earthenware, & other pottery product mfg	1999.. 46 188	362 845	22 253	D	23 935	2	4
		1998.. 46 195	340 971	21 565	D	24 630	1	1
		1997.. 44 761	352 636	21 017	D	23 744	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—			
			Purchased		Generated less sold (1,000 kWh)		E	C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)						D
			A	B						
327	Nonmetallic mineral product mfg—Con.									
3271	Clay product & refractory mfg—Con.									
32711	Pottery, ceramics, & plumbing fixture mfg—Con.									
327113	Porcelain electrical supply mfg	1999.. 39 946	387 436	24 967	—	14 980	3	6		
		1998.. 43 704	421 310	27 600	—	16 104	4	3		
		1997.. 42 617	412 119	26 410	—	16 207	X	X		
32712	Clay building material & refractories mfg	1999.. 306 394	2 041 260	114 392	D	192 001	3	2		
		1998.. 280 273	1 911 396	108 097	D	172 176	3	4		
		1997.. 302 240	1 975 122	112 368	D	189 872	X	X		
327121	Brick & structural clay tile mfg	1999.. 170 995	938 745	51 288	D	119 707	2	2		
		1998.. 149 768	883 761	47 209	D	102 559	7	6		
		1997.. 168 249	912 490	51 245	D	117 004	X	X		
327122	Ceramic wall & floor tile mfg	1999.. 42 758	313 665	17 766	—	24 992	7	7		
		1998.. 37 659	282 140	15 476	—	22 183	2	6		
		1997.. 40 945	290 861	15 948	—	24 997	X	X		
327123	Other structural clay product mfg	1999.. 8 554	50 267	3 448	—	5 106	4	5		
		1998.. 9 706	50 206	3 550	—	6 156	1	1		
		1997.. 8 884	45 614	3 240	—	5 644	X	X		
327124	Clay refractory mfg	1999.. 30 863	184 067	11 090	—	19 773	6	7		
		1998.. 31 607	193 598	12 234	—	19 373	3	5		
		1997.. 30 954	196 997	12 174	—	18 780	X	X		
327125	Nonclay refractory mfg	1999.. 53 224	554 514	30 800	S	22 423	7	5		
		1998.. 51 532	501 692	29 628	—	21 904	5	1		
		1997.. 53 208	529 160	29 761	—	23 447	X	X		
3272	Glass & glass product mfg	1999.. 1 091 647	12 534 558	539 449	S	552 198	1	1		
		1998.. 1 092 646	12 106 025	533 763	S	558 882	1	1		
		1997.. 1 105 346	11 751 195	529 753	—	575 593	X	X		
32721	Glass & glass product mfg	1999.. 1 091 647	12 534 558	539 449	S	552 198	1	1		
		1998.. 1 092 646	12 106 025	533 763	S	558 882	1	1		
		1997.. 1 105 346	11 751 195	529 753	—	575 593	X	X		
327211	Flat glass mfg	1999.. 215 738	1 624 480	70 651	—	145 086	1	1		
		1998.. 216 703	1 603 211	73 640	—	143 063	1	1		
		1997.. 220 466	1 602 433	72 857	—	147 609	X	X		
327212	Other pressed & blown glass & glassware mfg	1999.. 334 722	4 021 431	167 494	S	167 227	1	1		
		1998.. 345 229	3 964 685	166 360	S	178 869	1	1		
		1997.. 345 475	3 842 879	165 797	—	179 678	X	X		
327213	Glass container mfg	1999.. 352 322	3 931 883	155 355	—	196 967	1	1		
		1998.. 350 222	3 843 161	158 381	—	191 841	1	1		
		1997.. 361 082	3 709 154	157 489	—	203 593	X	X		
327215	Glass product mfg made of purchased glass ...	1999.. 188 866	2 956 763	145 949	—	42 918	1	4		
		1998.. 180 491	2 694 968	135 382	—	45 109	2	2		
		1997.. 178 323	2 596 729	133 610	—	44 713	X	X		
3273	Cement & concrete product mfg	1999.. 1 440 260	14 572 117	672 744	D	767 516	1	3		
		1998.. 1 414 421	13 640 803	671 492	D	742 929	1	1		
		1997.. 1 385 952	13 503 865	656 238	D	729 714	X	X		
32731	Cement mfg	1999.. 938 951	11 277 896	462 633	D	476 318	1	1		
		1998.. 964 720	10 664 747	475 844	D	488 876	1	1		
		1997.. 967 367	10 794 303	482 384	D	484 983	X	X		
327310	Cement mfg	1999.. 938 951	11 277 896	462 633	D	476 318	1	1		
		1998.. 964 720	10 664 747	475 844	D	488 876	1	1		
		1997.. 967 367	10 794 303	482 384	D	484 983	X	X		
32732	Ready-mix concrete mfg	1999.. 320 349	1 735 849	109 716	S	210 632	3	10		
		1998.. 268 634	1 480 625	98 559	7 980	170 075	2	2		
		1997.. 255 211	1 386 200	88 984	8 032	166 227	X	X		
327320	Ready-mix concrete mfg	1999.. 320 349	1 735 849	109 716	S	210 632	3	10		
		1998.. 268 634	1 480 625	98 559	7 980	170 075	2	2		
		1997.. 255 211	1 386 200	88 984	8 032	166 227	X	X		
32733	Concrete pipe, brick, & block mfg	1999.. 94 518	868 710	55 439	D	39 079	6	8		
		1998.. 94 464	798 283	51 507	D	42 957	4	5		
		1997.. 84 811	690 883	44 286	D	40 525	X	X		
327331	Concrete block & brick mfg	1999.. 61 613	542 245	35 638	D	25 975	8	11		
		1998.. 59 286	489 996	32 050	D	27 236	4	5		
		1997.. 53 891	425 213	27 538	D	26 353	X	X		
327332	Concrete pipe mfg	1999.. 32 905	326 465	19 801	—	13 104	6	12		
		1998.. 35 178	308 287	19 457	—	15 721	8	11		
		1997.. 30 920	265 670	16 748	—	14 172	X	X		
32739	Other concrete product mfg	1999.. 86 442	689 662	44 956	S	41 486	2	3		
		1998.. 86 603	697 148	45 581	—	41 022	2	3		
		1997.. 78 563	632 479	40 584	—	37 979	X	X		
327390	Other concrete product mfg	1999.. 86 442	689 662	44 956	S	41 486	2	3		
		1998.. 86 603	697 148	45 581	—	41 022	2	3		
		1997.. 78 563	632 479	40 584	—	37 979	X	X		
3274	Lime & gypsum product mfg	1999.. 554 472	3 101 554	154 717	D	399 755	1	2		
		1998.. 570 920	3 123 390	151 678	D	419 242	3	3		
		1997.. 520 432	2 676 136	139 601	D	380 831	X	X		
32741	Lime mfg	1999.. 242 106	1 322 474	61 834	—	180 272	1	4		
		1998.. 272 015	1 423 943	65 150	—	206 865	4	4		
		1997.. 238 928	1 130 382	57 383	—	181 545	X	X		
327410	Lime mfg	1999.. 242 106	1 322 474	61 834	—	180 272	1	4		
		1998.. 272 015	1 423 943	65 150	—	206 865	4	4		
		1997.. 238 928	1 130 382	57 383	—	181 545	X	X		

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
327	Nonmetallic mineral product mfg—Con.							
3274	Lime & gypsum product mfg—Con.							
32742	Gypsum product mfg	1999.. 312 366	1 779 080	92 883	D	219 482	2	1
		1998.. 298 905	1 699 447	86 528	D	212 377	4	6
		1997.. 281 504	1 545 754	82 218	D	199 286	X	X
327420	Gypsum product mfg	1999.. 312 366	1 779 080	92 883	D	219 482	2	1
		1998.. 298 905	1 699 447	86 528	D	212 377	4	6
		1997.. 281 504	1 545 754	82 218	D	199 286	X	X
3279	Other nonmetallic mineral product mfg	1999.. 588 131	6 520 720	313 580	D	274 551	2	3
		1998.. 596 385	6 709 878	328 155	D	268 230	3	2
		1997.. 599 286	6 657 708	313 466	D	285 820	X	X
32791	Abrasive product mfg	1999.. 71 040	812 334	43 973	D	27 067	2	5
		1998.. 60 816	765 977	40 664	D	20 152	23	3
		1997.. 72 405	939 239	49 278	D	23 127	X	X
327910	Abrasive product mfg	1999.. 71 040	812 334	43 973	D	27 067	2	5
		1998.. 60 816	765 977	40 664	D	20 152	23	3
		1997.. 72 405	939 239	49 278	D	23 127	X	X
32799	All other nonmetallic mineral product mfg.....	1999.. 517 091	5 708 386	269 607	D	247 484	3	4
		1998.. 535 569	5 943 901	287 491	-	248 079	2	2
		1997.. 526 881	5 718 469	264 188	-	262 693	X	X
327991	Cut stone & stone product mfg	1999.. 27 430	284 098	17 228	-	10 202	8	8
		1998.. 36 506	280 702	20 520	-	15 986	7	12
		1997.. 32 670	268 488	17 299	-	15 371	X	X
327992	Ground or treated mineral & earth mfg	1999.. 145 038	1 376 098	67 750	S	77 288	3	7
		1998.. 138 304	1 275 859	67 424	-	70 880	1	2
		1997.. 142 716	1 385 385	64 573	-	78 143	X	X
327993	Mineral wool mfg	1999.. 309 014	3 750 901	165 935	D	143 078	2	5
		1998.. 308 527	3 932 913	168 159	-	140 368	2	2
		1997.. 303 793	3 687 581	156 709	-	147 084	X	X
327999	All other miscellaneous nonmetallic mineral product mfg	1999.. 35 609	297 288	18 694	D	16 916	30	13
		1998.. 52 232	454 427	31 388	-	20 844	12	17
		1997.. 47 702	377 015	25 607	-	22 095	X	X
331	Primary metal mfg.....	1999.. 7 753 278	130 266 759	4 834 422	5 746 267	2 918 856	1	1
		1998.. 7 979 888	130 159 929	4 808 727	14 070 736	3 171 162	1	1
		1997.. 8 041 222	132 605 129	4 764 636	6 063 131	3 276 586	X	X
3311	Iron & steel mills & ferroalloy mfg.....	1999.. 3 408 479	48 554 511	1 825 694	D	1 582 785	1	1
		1998.. 3 601 683	46 126 366	1 793 454	D	1 808 230	1	1
		1997.. 3 621 702	47 655 450	1 786 896	D	1 834 806	X	X
33111	Iron & steel mills & ferroalloy mfg.....	1999.. 3 408 479	48 554 511	1 825 694	D	1 582 785	1	1
		1998.. 3 601 683	46 126 366	1 793 454	D	1 808 230	1	1
		1997.. 3 621 702	47 655 450	1 786 896	D	1 834 806	X	X
331111	Iron & steel mills	1999.. 3 302 421	46 079 038	1 742 847	3 648 628	1 559 574	1	1
		1998.. 3 461 524	43 183 083	1 687 137	4 537 760	1 774 388	1	1
		1997.. 3 476 368	44 690 515	1 678 695	3 656 108	1 797 673	X	X
331112	Electrometallurgical ferroalloy product mfg	1999.. 106 058	2 475 473	82 848	D	23 211	2	5
		1998.. 140 159	2 943 283	106 317	D	33 842	1	1
		1997.. 145 334	2 964 935	108 201	D	37 133	X	X
3312	Steel product mfg from purchased steel	1999.. 361 368	4 479 786	244 609	S	116 758	1	2
		1998.. 390 637	4 750 728	268 613	-	122 024	1	1
		1997.. 387 167	4 633 956	264 351	-	122 816	X	X
33121	Iron & steel pipes & tubes mfg from purchased steel.....	1999.. 130 946	1 497 984	90 291	-	40 655	2	3
		1998.. 132 654	1 431 931	93 285	-	39 369	1	1
		1997.. 135 593	1 420 828	93 582	-	42 011	X	X
331210	Iron & steel pipes & tubes mfg from purchased steel.....	1999.. 130 946	1 497 984	90 291	-	40 655	2	3
		1998.. 132 654	1 431 931	93 285	-	39 369	1	1
		1997.. 135 593	1 420 828	93 582	-	42 011	X	X
33122	Rolling & drawing of purchased steel	1999.. 230 422	2 981 803	154 319	S	76 103	1	1
		1998.. 257 983	3 318 797	175 328	-	82 655	1	2
		1997.. 251 574	3 213 128	170 769	-	80 805	X	X
331221	Cold-rolled steel shape mfg.....	1999.. 108 216	1 265 015	65 716	-	42 500	1	2
		1998.. 133 447	1 687 310	87 184	-	46 263	1	1
		1997.. 131 620	1 623 374	84 453	-	47 167	X	X
331222	Steel wire drawing.....	1999.. 122 205	1 716 788	88 602	S	33 603	1	2
		1998.. 124 536	1 631 486	88 145	-	36 391	2	4
		1997.. 119 954	1 589 754	86 316	-	33 638	X	X
3313	Alumina & aluminum production & processing.....	1999.. 2 068 767	49 456 752	1 527 054	D	541 714	1	1
		1998.. 2 010 385	51 260 743	1 477 790	D	532 594	1	1
		1997.. 2 026 932	52 176 666	1 435 322	D	591 610	X	X
33131	Alumina & aluminum production & processing.....	1999.. 2 068 767	49 456 752	1 527 054	D	541 714	1	1
		1998.. 2 010 385	51 260 743	1 477 790	D	532 594	1	1
		1997.. 2 026 932	52 176 666	1 435 322	D	591 610	X	X
331311	Alumina refining.....	1999.. 148 400	363 710	15 042	338 396	133 358	1	1
		1998.. 165 854	372 492	14 772	701 106	151 082	1	1
		1997.. 172 584	373 330	16 057	658 309	156 527	X	X
331312	Primary aluminum production	1999.. 1 291 136	41 065 120	1 176 876	D	114 260	1	1
		1998.. 1 211 564	42 882 931	1 130 650	D	80 914	1	1
		1997.. 1 184 024	43 426 337	1 070 993	D	113 031	X	X
331314	Secondary smelting & alloying of aluminum.....	1999.. 106 611	851 200	48 207	S	58 404	2	3
		1998.. 95 516	643 425	35 289	-	60 227	1	3
		1997.. 87 800	638 268	33 996	-	53 804	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
331	Primary metal mfg—Con.							
3313	Alumina & aluminum production & processing—Con.							
33131	Alumina & aluminum production & processing—Con.							
331315	Aluminum sheet, plate, & foil mfg.....	1999.. 319 802	4 576 554	163 808	—	155 994	3	4
		1998.. 336 978	4 814 282	173 475	—	163 503	1	1
		1997.. 375 254	5 170 559	190 660	—	184 594	X	X
331316	Aluminum extruded product mfg.....	1999.. 158 015	1 762 559	87 174	—	70 841	3	2
		1998.. 151 274	1 638 955	85 261	—	66 013	1	1
		1997.. 154 210	1 592 105	82 329	87 150	71 881	X	X
331319	Other aluminum rolling & drawing.....	1999.. 44 804	837 609	35 946	—	8 857	1	3
		1998.. 49 198	908 678	38 344	—	10 854	1	1
		1997.. 53 060	976 067	41 287	—	11 773	X	X
3314	Nonferrous metal (except aluminum) production & processing.....	1999.. 751 468	11 921 686	463 828	1 158 648	287 640	1	2
		1998.. 775 596	11 948 312	482 585	1 236 571	293 011	1	1
		1997.. 814 155	12 464 901	505 905	1 272 485	308 250	X	X
33141	Nonferrous metal (except aluminum) smelting & refining.....	1999.. 315 444	6 246 529	192 595	1 158 608	122 849	2	1
		1998.. 318 844	6 110 811	194 579	1 228 069	124 264	2	1
		1997.. 343 140	6 525 056	212 329	1 265 609	130 811	X	X
331411	Primary smelting & refining of copper.....	1999.. 108 460	1 688 990	47 822	386 091	60 639	1	1
		1998.. 117 932	1 889 781	56 141	436 307	61 791	1	1
		1997.. 129 160	2 092 878	63 553	480 706	65 607	X	X
331419	Other nonferrous metal primary smelting & refining.....	1999.. 206 984	4 557 539	144 773	772 517	62 211	3	2
		1998.. 200 912	4 221 030	138 438	791 762	62 474	3	1
		1997.. 213 980	4 432 178	148 776	784 903	65 204	X	X
33142	Copper rolling, drawing, extruding, & alloying.....	1999.. 186 383	2 565 515	122 763	D	63 620	1	7
		1998.. 196 895	2 604 515	130 592	D	66 302	1	1
		1997.. 201 065	2 648 668	132 253	D	68 812	X	X
331421	Copper rolling, drawing, & extruding.....	1999.. 154 381	2 220 631	101 374	D	53 008	1	9
		1998.. 163 117	2 252 116	108 782	D	54 335	1	1
		1997.. 168 283	2 296 362	110 147	D	58 136	X	X
331422	Copper wire (except mechanical) drawing.....	1999.. 11 510	159 179	10 087	S	1 423	5	6
		1998.. 12 010	161 474	9 996	S	2 013	1	13
		1997.. 12 077	160 468	10 216	—	1 861	X	X
331423	Secondary smelting, refining, & alloying of copper.....	1999.. 20 492	185 705	11 303	—	9 189	2	2
		1998.. 21 768	190 925	11 814	—	9 954	1	5
		1997.. 20 705	191 838	11 890	—	8 815	X	X
33149	Other nonferrous metal rolling, drawing, extruding, & alloying.....	1999.. 249 641	3 109 642	148 470	D	101 171	3	3
		1998.. 259 858	3 232 986	157 414	D	102 444	2	1
		1997.. 269 950	3 291 177	161 323	D	108 627	X	X
331491	Other nonferrous metal rolling, drawing, & extruding.....	1999.. 165 082	2 185 610	101 413	D	63 669	1	1
		1998.. 170 927	2 232 498	105 140	D	65 787	3	2
		1997.. 182 274	2 296 726	109 162	D	73 112	X	X
331492	Other nonferrous metal secondary smelting, refining, & alloying.....	1999.. 84 559	924 033	47 057	—	37 502	10	7
		1998.. 88 931	1 000 488	52 274	—	36 657	1	1
		1997.. 87 676	994 451	52 161	—	35 515	X	X
3315	Foundries.....	1999.. 1 163 195	15 854 023	773 236	1 901	389 960	1	4
		1998.. 1 201 587	16 073 782	786 284	3 121	415 303	1	2
		1997.. 1 191 266	15 674 156	772 162	23 041	419 104	X	X
33151	Ferrous metal foundries.....	1999.. 815 786	11 801 932	556 559	S	259 227	2	5
		1998.. 838 011	12 002 226	565 037	—	272 974	1	1
		1997.. 841 661	11 698 821	559 453	21 231	282 208	X	X
331511	Iron foundries.....	1999.. 606 975	8 879 062	407 001	D	199 974	2	6
		1998.. 631 257	9 060 820	416 080	D	215 178	1	2
		1997.. 640 941	8 863 165	417 455	D	223 486	X	X
331512	Steel investment foundries.....	1999.. 69 029	860 951	49 961	D	19 068	1	6
		1998.. 71 376	880 524	50 356	D	21 020	5	5
		1997.. 70 669	866 668	50 513	D	20 156	X	X
331513	Steel foundries (except investment).....	1999.. 139 782	2 061 920	99 598	S	40 184	2	5
		1998.. 135 378	2 060 881	98 601	—	36 777	1	1
		1997.. 130 051	1 968 988	91 485	—	38 566	X	X
33152	Nonferrous metal foundries.....	1999.. 347 409	4 052 091	216 677	4 687	130 733	2	5
		1998.. 363 576	4 071 556	221 247	3 096	142 329	3	6
		1997.. 349 605	3 975 335	212 709	1 810	136 896	X	X
331521	Aluminum die-casting foundries.....	1999.. 115 887	1 372 216	69 876	D	46 012	3	12
		1998.. 133 661	1 427 377	77 373	D	56 288	3	11
		1997.. 128 855	1 406 679	73 692	D	55 163	X	X
331522	Nonferrous (except aluminum) die-casting foundries.....	1999.. 47 851	534 006	32 208	—	15 643	3	7
		1998.. 56 941	580 415	37 166	—	19 775	3	7
		1997.. 47 846	497 596	31 564	—	16 282	X	X
331524	Aluminum foundries (except die-casting).....	1999.. 131 526	1 542 733	77 519	D	54 007	3	6
		1998.. 126 912	1 469 585	73 198	D	53 713	2	4
		1997.. 119 976	1 427 739	70 260	D	49 716	X	X
331525	Copper foundries (except die-casting).....	1999.. 30 623	352 392	21 873	—	8 750	5	8
		1998.. 32 097	373 410	23 310	—	8 788	6	19
		1997.. 28 831	359 788	21 520	—	7 311	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					
		A	B	C	D	E	C	E	
331	Primary metal mfg—Con.								
3315	Foundries—Con.								
33152	Nonferrous metal foundries—Con.								
331528	Other nonferrous foundries (except die-casting)								
		1999..	21 522	250 744	15 201	—	6 321	11	12
		1998..	13 964	220 768	10 201	—	3 764	48	97
		1997..	24 097	283 533	15 673	—	8 424	X	X
332	Fabricated metal product mfg	1999..	3 887 865	44 590 590	2 665 693	116 411	1 222 172	1	2
		1998..	3 748 273	42 705 683	2 572 296	192 735	1 175 977	1	1
		1997..	3 692 166	41 510 070	2 504 217	80 093	1 187 949	X	X
3321	Forging & stamping	1999..	528 947	6 189 157	346 197	S	182 749	2	3
		1998..	475 745	5 232 634	305 501	10 984	170 245	1	7
		1997..	484 451	5 134 311	302 410	—	182 041	X	X
33211	Forging & stamping	1999..	528 947	6 189 157	346 197	S	182 749	2	3
		1998..	475 745	5 232 634	305 501	10 984	170 245	1	7
		1997..	484 451	5 134 311	302 410	—	182 041	X	X
332111	Iron & steel forging	1999..	175 271	1 804 498	102 925	—	72 346	2	4
		1998..	183 954	1 751 722	102 937	—	81 017	1	3
		1997..	172 971	1 640 727	95 388	—	77 583	X	X
332112	Nonferrous forging	1999..	56 155	514 727	30 823	S	25 332	1	3
		1998..	53 515	465 253	26 642	S	26 873	1	1
		1997..	51 580	450 636	26 791	—	24 789	X	X
332114	Custom roll forming	1999..	60 143	1 185 565	46 384	S	13 759	1	5
		1998..	45 733	730 397	33 521	22	12 212	2	4
		1997..	43 620	679 864	31 016	—	12 604	X	X
332115	Crown & closure mfg	1999..	17 373	196 042	10 304	—	7 068	1	1
		1998..	18 880	208 727	10 990	—	7 890	3	4
		1997..	20 613	209 134	11 512	—	9 101	X	X
332116	Metal stamping	1999..	182 095	1 869 084	127 805	S	54 290	3	7
		1998..	141 783	1 663 661	108 715	S	33 069	3	35
		1997..	163 713	1 749 789	115 396	—	48 317	X	X
332117	Powder metallurgy part mfg	1999..	37 911	619 242	27 956	—	9 954	19	29
		1998..	31 880	412 873	22 696	—	9 184	2	4
		1997..	31 954	404 161	22 307	—	9 647	X	X
3322	Cutlery & handtool mfg	1999..	140 331	1 717 503	104 246	63 073	36 084	2	5
		1998..	140 150	1 659 300	104 124	69 792	36 026	1	1
		1997..	145 951	1 703 508	106 629	57 534	39 322	X	X
33221	Cutlery & handtool mfg	1999..	140 331	1 717 503	104 246	63 073	36 084	2	5
		1998..	140 150	1 659 300	104 124	69 792	36 026	1	1
		1997..	145 951	1 703 508	106 629	57 534	39 322	X	X
332211	Cutlery & flatware (except precious) mfg	1999..	21 352	217 445	15 739	D	5 612	4	3
		1998..	21 354	205 532	15 092	D	6 262	3	2
		1997..	22 420	210 740	15 673	D	6 747	X	X
332212	Hand & edge tool mfg	1999..	84 754	1 033 744	61 733	D	23 021	2	3
		1998..	82 039	1 016 042	61 332	D	20 707	2	2
		1997..	85 210	1 045 188	62 763	D	22 447	X	X
332213	Saw blade & handsaw mfg	1999..	18 375	279 338	16 229	—	2 147	3	5
		1998..	18 566	241 274	16 453	—	2 113	1	5
		1997..	18 686	248 923	16 473	—	2 213	X	X
332214	Kitchen utensil, pot, & pan mfg	1999..	15 850	186 976	10 545	—	5 305	2	27
		1998..	18 191	196 451	11 247	—	6 944	2	1
		1997..	19 635	198 657	11 720	—	7 915	X	X
3323	Architectural & structural metals mfg	1999..	592 684	5 851 776	374 388	S	218 296	3	11
		1998..	527 369	5 578 070	348 973	S	178 396	1	2
		1997..	497 110	5 259 347	331 157	—	165 953	X	X
33231	Plate work & fabricated structural product mfg	1999..	254 474	2 503 602	159 930	S	94 544	6	18
		1998..	220 988	2 231 590	138 584	S	82 403	1	3
		1997..	207 998	2 171 274	135 865	—	72 133	X	X
332311	Prefabricated metal building & component mfg	1999..	32 067	342 144	20 943	—	11 124	3	10
		1998..	29 777	324 486	18 110	—	11 667	6	4
		1997..	29 658	310 769	18 635	—	11 023	X	X
332312	Fabricated structural metal mfg	1999..	187 885	1 786 837	114 534	S	73 351	8	22
		1998..	150 158	1 535 100	96 544	S	53 614	1	5
		1997..	136 248	1 502 857	94 017	—	42 231	X	X
332313	Plate work mfg	1999..	34 522	374 620	24 452	—	10 069	5	61
		1998..	41 052	372 004	23 930	—	17 122	2	3
		1997..	42 092	357 648	23 213	—	18 879	X	X
33232	Ornamental & architectural metal products mfg	1999..	338 210	3 348 175	214 459	S	123 752	2	12
		1998..	306 381	3 346 480	210 389	S	95 993	1	2
		1997..	289 112	3 088 073	195 292	—	93 820	X	X
332321	Metal window & door mfg	1999..	90 865	1 051 156	64 183	—	26 681	3	7
		1998..	89 457	1 010 027	61 877	—	27 580	1	6
		1997..	79 997	922 639	55 873	—	24 124	X	X
332322	Sheet metal work mfg	1999..	189 472	1 785 405	117 440	S	72 032	3	21
		1998..	171 913	1 864 879	118 440	S	53 473	3	2
		1997..	165 765	1 727 419	111 058	—	54 707	X	X
332323	Ornamental & architectural metal work mfg	1999..	57 874	511 614	32 836	—	25 038	6	7
		1998..	45 011	471 573	30 072	—	14 940	2	2
		1997..	43 350	438 015	28 361	—	14 989	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)	C		E	
			Quantity (1,000 kWh)	Cost (\$1,000)					C
			A	B	C	D		E	C
332	Fabricated metal product mfg—Con.								
3324	Boiler, tank, & shipping container mfg	1999.. 339 298	4 470 277	245 753	S	93 544	1	2	
		1998.. 343 333	4 437 850	246 446	S	96 887	1	2	
		1997.. 351 646	4 487 215	247 769	—	103 877	X	X	
33241	Power boiler & heat exchanger mfg	1999.. 40 600	434 472	27 282	—	13 318	3	7	
		1998.. 44 579	496 114	30 840	—	13 738	2	10	
		1997.. 42 660	468 184	29 129	—	13 531	X	X	
332410	Power boiler & heat exchanger mfg	1999.. 40 600	434 472	27 282	—	13 318	3	7	
		1998.. 44 579	496 114	30 840	—	13 738	2	10	
		1997.. 42 660	468 184	29 129	—	13 531	X	X	
33242	Metal tank (heavy gauge) mfg	1999.. 60 405	679 612	41 620	—	18 785	3	7	
		1998.. 63 374	693 258	42 768	—	20 607	3	4	
		1997.. 62 830	661 408	40 644	—	22 186	X	X	
332420	Metal tank (heavy gauge) mfg	1999.. 60 405	679 612	41 620	—	18 785	3	7	
		1998.. 63 374	693 258	42 768	—	20 607	3	4	
		1997.. 62 830	661 408	40 644	—	22 186	X	X	
33243	Metal can, box, & other metal container (light gauge) mfg	1999.. 238 292	3 356 193	176 851	S	61 441	1	2	
		1998.. 235 380	3 248 478	172 838	S	62 542	1	1	
		1997.. 246 156	3 357 623	177 996	—	68 160	X	X	
332431	Metal can mfg	1999.. 200 309	3 037 026	153 915	—	46 394	1	1	
		1998.. 198 165	2 912 309	150 137	—	48 027	1	1	
		1997.. 210 502	3 045 766	156 883	—	53 619	X	X	
332439	Other metal container mfg	1999.. 37 983	319 167	22 936	S	15 048	3	6	
		1998.. 37 216	336 168	22 701	S	14 515	3	1	
		1997.. 35 654	311 857	21 113	—	14 541	X	X	
3325	Hardware mfg	1999.. 99 793	1 244 580	75 778	D	24 015	2	18	
		1998.. 107 500	1 242 803	77 517	D	29 983	1	2	
		1997.. 112 551	1 275 709	79 253	D	33 298	X	X	
33251	Hardware mfg	1999.. 99 793	1 244 580	75 778	D	24 015	2	18	
		1998.. 107 500	1 242 803	77 517	D	29 983	1	2	
		1997.. 112 551	1 275 709	79 253	D	33 298	X	X	
332510	Hardware mfg	1999.. 99 793	1 244 580	75 778	D	24 015	2	18	
		1998.. 107 500	1 242 803	77 517	D	29 983	1	2	
		1997.. 112 551	1 275 709	79 253	D	33 298	X	X	
3326	Spring & wire product mfg	1999.. 141 554	1 629 124	97 152	D	44 402	3	12	
		1998.. 143 279	1 648 660	97 400	D	45 879	2	5	
		1997.. 128 993	1 455 097	87 836	D	41 157	X	X	
33261	Spring & wire product mfg	1999.. 141 554	1 629 124	97 152	D	44 402	3	12	
		1998.. 143 279	1 648 660	97 400	D	45 879	2	5	
		1997.. 128 993	1 455 097	87 836	D	41 157	X	X	
332611	Spring (heavy gauge) mfg	1999.. 20 137	182 258	11 867	S	8 270	3	3	
		1998.. 24 602	237 497	14 840	—	9 762	1	1	
		1997.. 19 630	177 916	11 266	—	8 364	X	X	
332612	Spring (light gauge) mfg	1999.. 34 076	426 310	23 933	—	10 144	4	14	
		1998.. 36 836	427 980	24 801	—	12 035	4	13	
		1997.. 31 349	354 303	21 458	—	9 891	X	X	
332618	Other fabricated wire product mfg	1999.. 87 340	1 020 556	61 352	D	25 988	4	19	
		1998.. 81 841	983 183	57 759	D	24 082	2	6	
		1997.. 78 014	922 878	55 112	D	22 902	X	X	
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1999.. 629 271	6 850 943	469 685	S	159 586	2	3	
		1998.. 573 761	6 612 560	440 828	13 406	132 933	3	4	
		1997.. 573 240	6 410 732	431 739	10 038	141 501	X	X	
33271	Machine shops	1999.. 378 789	4 091 421	281 495	S	97 294	2	4	
		1998.. 330 708	3 909 614	254 460	11 950	76 249	6	7	
		1997.. 334 795	3 796 246	251 532	4 091	83 263	X	X	
332710	Machine shops	1999.. 378 789	4 091 421	281 495	S	97 294	2	4	
		1998.. 330 708	3 909 614	254 460	11 950	76 249	6	7	
		1997.. 334 795	3 796 246	251 532	4 091	83 263	X	X	
33272	Turned product & screw, nut, & bolt mfg	1999.. 250 482	2 759 522	188 190	2 018	62 292	2	3	
		1998.. 243 053	2 702 947	186 369	1 456	56 684	2	3	
		1997.. 238 445	2 614 486	180 207	5 947	58 238	X	X	
332721	Precision turned product mfg	1999.. 114 766	1 300 303	89 533	S	25 234	2	7	
		1998.. 113 571	1 346 534	91 860	S	21 711	2	5	
		1997.. 106 424	1 268 102	86 556	—	19 868	X	X	
332722	Bolt, nut, screw, rivet, & washer mfg	1999.. 135 716	1 459 219	98 657	4 803	37 059	3	3	
		1998.. 129 482	1 356 413	94 509	1 551	34 973	2	3	
		1997.. 132 021	1 346 384	93 651	5 947	38 370	X	X	
3328	Coating, engraving, heat treating, & allied activities	1999.. 724 574	7 114 241	430 970	36 175	293 604	2	2	
		1998.. 731 233	6 959 105	426 354	38 201	304 879	1	3	
		1997.. 707 238	6 708 662	412 774	4 124	294 464	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
332	Fabricated metal product mfg—Con.							
3328	Coating, engraving, heat treating, & allied activities—Con.							
33281	Coating, engraving, heat treating, & allied activities	1999.. 724 574	7 114 241	430 970	36 175	293 604	2	2
		1998.. 731 233	6 959 105	426 354	38 201	304 879	1	3
		1997.. 707 238	6 708 662	412 774	4 124	294 464	X	X
332811	Metal heat treating	1999.. 213 290	2 032 293	123 782	—	89 507	7	5
		1998.. 215 295	1 832 746	113 316	24 850	101 979	4	7
		1997.. 201 916	1 778 193	110 889	2 716	91 027	X	X
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1999.. 252 641	2 440 643	136 314	9 472	116 327	3	3
		1998.. 257 009	2 429 292	140 861	470	117 148	2	3
		1997.. 243 044	2 265 023	130 222	1 243	112 822	X	X
332813	Electroplating, plating, polishing, anodizing, & coloring	1999.. 258 643	2 641 305	170 873	26 703	87 770	2	3
		1998.. 257 929	2 697 067	172 177	12 881	85 752	2	3
		1997.. 262 278	2 665 446	171 663	165	90 615	X	X
3329	Other fabricated metal product mfg	1999.. 691 414	9 522 988	521 524	39 764	169 890	1	1
		1998.. 705 901	9 334 702	525 152	53 204	180 749	1	1
		1997.. 690 986	9 075 489	504 650	2 594	186 336	X	X
33291	Metal valve mfg	1999.. 213 223	3 122 392	176 611	D	36 612	1	2
		1998.. 229 611	3 229 133	186 231	D	43 380	1	3
		1997.. 221 577	3 065 386	177 082	D	44 495	X	X
332911	Industrial valve mfg	1999.. 98 089	1 438 248	82 785	D	15 303	2	4
		1998.. 101 924	1 412 856	85 446	D	16 478	2	2
		1997.. 94 270	1 316 203	77 238	D	17 032	X	X
332912	Fluid power valve & hose fitting mfg	1999.. 48 952	782 647	43 190	—	5 762	2	5
		1998.. 50 890	840 596	44 868	—	6 022	1	6
		1997.. 52 117	795 687	44 862	—	7 255	X	X
332913	Plumbing fixture fitting & trim mfg	1999.. 25 057	289 801	18 985	D	6 073	4	7
		1998.. 27 450	308 188	18 888	D	8 562	3	10
		1997.. 26 906	291 081	18 895	D	8 011	X	X
332919	Other metal valve & pipe fitting mfg	1999.. 41 125	611 696	31 651	S	9 474	2	4
		1998.. 49 347	667 514	37 029	S	12 318	4	6
		1997.. 48 284	662 415	36 087	S	12 197	X	X
33299	All other fabricated metal product mfg	1999.. 478 191	6 400 596	344 913	D	133 278	1	1
		1998.. 476 290	6 105 569	338 921	D	137 369	1	1
		1997.. 469 409	6 010 103	327 568	D	141 841	X	X
332991	Ball & roller bearing mfg	1999.. 125 020	1 960 837	95 772	—	29 249	1	1
		1998.. 130 879	1 912 171	94 944	—	35 935	1	1
		1997.. 130 391	1 856 456	91 464	—	38 927	X	X
332992	Small arms ammunition mfg	1999.. 15 585	238 217	10 363	S	5 222	2	1
		1998.. 14 393	219 986	9 330	S	5 063	1	1
		1997.. 17 089	230 706	10 014	—	7 075	X	X
332993	Ammunition (except small arms) mfg	1999.. 21 038	233 014	13 304	S	7 734	5	9
		1998.. 20 625	240 687	14 590	S	6 035	1	1
		1997.. 20 994	234 065	14 195	—	6 799	X	X
332994	Small arms mfg	1999.. 18 319	188 905	14 482	—	3 837	2	2
		1998.. 19 696	194 463	15 376	—	4 320	1	1
		1997.. 18 917	201 297	15 092	—	3 825	X	X
332995	Other ordnance & accessories mfg	1999.. 14 503	223 164	10 907	—	3 596	2	3
		1998.. 16 889	250 099	12 538	—	4 350	1	1
		1997.. 16 966	233 615	11 542	—	5 424	X	X
332996	Fabricated pipe & pipe fitting mfg	1999.. 54 554	628 737	37 511	S	17 042	3	5
		1998.. 55 861	595 676	35 995	S	19 866	2	8
		1997.. 53 362	586 445	36 556	—	16 806	X	X
332997	Industrial pattern mfg	1999.. 9 687	105 166	6 887	S	2 800	3	6
		1998.. 9 287	98 407	6 376	S	2 912	5	8
		1997.. 9 817	103 762	6 516	—	3 301	X	X
332998	Enameled iron & metal sanitary ware mfg	1999.. 35 684	518 735	24 474	—	11 211	2	2
		1998.. 37 087	488 467	24 655	—	12 432	1	1
		1997.. 35 704	466 559	23 414	—	12 290	X	X
332999	All other miscellaneous fabricated metal product mfg	1999.. 183 801	2 303 823	131 212	D	52 589	2	3
		1998.. 171 574	2 105 613	125 117	D	46 457	3	1
		1997.. 166 169	2 097 198	118 775	D	47 394	X	X
333	Machinery mfg	1999.. 2 089 248	26 683 846	1 592 376	52 200	496 871	1	2
		1998.. 2 057 735	27 190 416	1 567 795	4 217	489 940	1	1
		1997.. 2 065 009	26 947 941	1 553 817	22 787	511 192	X	X
3331	Agriculture, construction, & mining machinery mfg ..	1999.. 320 934	4 385 663	223 767	17 471	97 167	2	2
		1998.. 355 023	4 986 156	243 212	15 943	111 811	1	2
		1997.. 349 641	4 986 795	238 856	11 864	110 785	X	X
33311	Agricultural implement mfg	1999.. 119 764	1 530 599	77 661	S	42 104	2	4
		1998.. 142 989	2 001 771	93 824	S	49 165	1	2
		1997.. 142 066	1 989 948	90 270	11 864	51 796	X	X
333111	Farm machinery & equipment mfg	1999.. 89 035	1 100 322	55 503	S	33 532	2	4
		1998.. 105 246	1 483 721	67 334	S	37 912	1	2
		1997.. 107 744	1 487 749	66 786	11 864	40 958	X	X
333112	Lawn & garden tractor & home lawn & garden equipment mfg	1999.. 30 729	430 277	22 158	—	8 571	1	2
		1998.. 37 743	518 051	26 490	—	11 253	2	4
		1997.. 34 322	502 199	23 484	—	10 838	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
333	Machinery mfg—Con.							
3331	Agriculture, construction, & mining machinery mfg—Con.							
33312	Construction machinery mfg	1999.. 123 240	1 765 149	84 257	24 284	38 983	3	3
		1998.. 135 411	1 881 320	89 297	25 959	46 114	2	5
		1997.. 137 627	1 989 137	93 953	—	43 674	X	X
333120	Construction machinery mfg	1999.. 123 240	1 765 149	84 257	24 284	38 983	3	3
		1998.. 135 411	1 881 320	89 297	25 959	46 114	2	5
		1997.. 137 627	1 989 137	93 953	—	43 674	X	X
33313	Mining & oil & gas field machinery mfg	1999.. 77 930	1 089 915	61 850	—	16 080	7	9
		1998.. 76 624	1 103 065	60 091	—	16 532	2	1
		1997.. 69 948	1 007 710	54 633	—	15 315	X	X
333131	Mining machinery & equipment mfg	1999.. 21 792	268 143	15 796	—	5 996	3	5
		1998.. 26 263	334 585	18 506	—	7 757	5	2
		1997.. 23 134	277 833	16 217	—	6 917	X	X
333132	Oil & gas field machinery & equipment mfg	1999.. 56 138	821 773	46 053	—	10 084	9	14
		1998.. 50 361	768 480	41 585	—	8 775	1	1
		1997.. 46 814	729 877	38 416	—	8 398	X	X
3332	Industrial machinery mfg	1999.. 245 992	2 890 847	198 853	S	47 139	2	6
		1998.. 242 732	2 865 081	191 221	S	51 510	1	4
		1997.. 257 618	2 989 608	199 294	S	58 324	X	X
33321	Sawmill & woodworking machinery mfg	1999.. 10 642	136 848	7 464	—	3 178	3	7
		1998.. 9 107	129 382	7 301	—	1 806	4	22
		1997.. 10 052	135 103	7 224	—	2 828	X	X
333210	Sawmill & woodworking machinery mfg	1999.. 10 642	136 848	7 464	—	3 178	3	7
		1998.. 9 107	129 382	7 301	—	1 806	4	22
		1997.. 10 052	135 103	7 224	—	2 828	X	X
33322	Plastics & rubber industry machinery mfg	1999.. 21 648	260 088	18 083	—	3 565	6	72
		1998.. 23 464	249 132	16 252	—	7 212	5	4
		1997.. 23 257	238 486	15 703	—	7 554	X	X
333220	Plastics & rubber industry machinery mfg	1999.. 21 648	260 088	18 083	—	3 565	6	72
		1998.. 23 464	249 132	16 252	—	7 212	5	4
		1997.. 23 257	238 486	15 703	—	7 554	X	X
33329	Other industrial machinery mfg	1999.. 213 702	2 493 911	173 306	S	40 396	2	3
		1998.. 210 161	2 486 567	167 669	S	42 493	1	5
		1997.. 224 309	2 616 019	176 367	S	47 942	X	X
333291	Paper industry machinery mfg	1999.. 22 779	232 083	17 064	—	5 715	3	4
		1998.. 21 796	247 199	16 217	—	5 579	3	6
		1997.. 21 566	239 645	16 146	—	5 420	X	X
333292	Textile machinery mfg	1999.. 13 512	164 822	10 590	—	2 921	5	20
		1998.. 15 707	211 431	12 470	—	3 237	5	20
		1997.. 16 679	223 083	13 080	—	3 599	X	X
333293	Printing machinery & equipment mfg	1999.. 25 491	308 907	20 389	—	5 102	3	10
		1998.. 26 983	356 426	21 739	—	5 244	4	3
		1997.. 30 142	389 186	23 972	S	6 170	X	X
333294	Food product machinery mfg	1999.. 17 786	209 046	13 168	—	4 618	7	9
		1998.. 18 323	227 016	13 618	—	4 705	3	9
		1997.. 18 087	219 896	13 292	—	4 795	X	X
333295	Semiconductor machinery mfg	1999.. 64 366	763 844	56 908	D	7 458	1	7
		1998.. 64 285	721 766	54 065	D	10 220	3	12
		1997.. 73 584	794 118	62 092	D	11 492	X	X
333298	All other industrial machinery mfg	1999.. 69 769	815 208	55 186	D	14 583	7	6
		1998.. 63 068	722 729	49 561	D	13 507	2	10
		1997.. 64 251	750 091	47 785	D	16 466	X	X
3333	Commercial & service industry machinery mfg	1999.. 153 912	1 907 672	122 583	S	31 329	2	4
		1998.. 170 445	2 110 070	134 748	S	35 697	1	1
		1997.. 174 230	2 097 340	136 952	S	37 278	X	X
33331	Commercial & service industry machinery mfg	1999.. 153 912	1 907 672	122 583	S	31 329	2	4
		1998.. 170 445	2 110 070	134 748	S	35 697	1	1
		1997.. 174 230	2 097 340	136 952	S	37 278	X	X
333311	Automatic vending machine mfg	1999.. 7 956	115 223	6 366	S	1 590	18	15
		1998.. 8 820	121 920	6 824	S	1 996	1	1
		1997.. 8 732	117 424	6 676	S	2 056	X	X
333312	Commercial laundry, drycleaning, & pressing machine mfg	1999.. 4 487	57 015	3 473	—	1 014	5	12
		1998.. 4 607	65 660	3 362	—	1 245	1	1
		1997.. 4 780	65 238	3 454	—	1 326	X	X
333313	Office machinery mfg	1999.. 15 955	169 387	12 545	—	3 411	5	5
		1998.. 17 362	204 140	13 494	—	3 868	1	2
		1997.. 18 351	209 022	14 443	—	3 908	X	X
333314	Optical instrument & lens mfg	1999.. 28 982	393 845	24 601	S	4 381	6	15
		1998.. 34 393	434 697	28 806	S	5 587	2	2
		1997.. 34 646	440 358	28 406	S	6 240	X	X
333315	Photographic & photocopying equipment mfg	1999.. 40 721	497 688	32 278	—	8 443	2	10
		1998.. 46 330	561 149	36 379	—	9 951	1	1
		1997.. 47 739	540 609	38 259	S	9 480	X	X
333319	Other commercial & service industry machinery mfg	1999.. 55 812	674 515	43 320	S	12 491	2	6
		1998.. 58 934	722 505	45 882	S	13 051	1	2
		1997.. 59 982	724 689	45 714	—	14 268	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D			
333	Machinery mfg—Con.							
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 231 879	3 154 750	175 066	—	56 813	2	4
		1998.. 230 626	3 234 148	174 003	—	56 623	4	2
		1997.. 223 312	3 049 838	165 490	—	57 822	X	X
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 231 879	3 154 750	175 066	—	56 813	2	4
		1998.. 230 626	3 234 148	174 003	—	56 623	4	2
		1997.. 223 312	3 049 838	165 490	—	57 822	X	X
333411	Air purification equipment mfg	1999.. 19 401	258 200	14 360	—	5 041	3	11
		1998.. 29 269	480 100	23 432	—	5 837	31	7
		1997.. 21 983	305 530	16 487	—	5 496	X	X
333412	Industrial & commercial fan & blower mfg	1999.. 14 629	171 899	10 321	—	4 308	4	11
		1998.. 16 415	184 460	10 887	—	5 528	9	17
		1997.. 20 035	277 752	15 499	—	4 536	X	X
333414	Heating equipment (except warm air furnaces) mfg	1999.. 36 155	397 087	24 805	—	11 350	3	4
		1998.. 31 392	337 076	21 109	—	10 284	4	3
		1997.. 33 246	343 534	21 454	—	11 792	X	X
333415	AC & warm air heating & commercial/industrial refrig equip mfg	1999.. 161 694	2 327 563	125 581	—	36 114	3	6
		1998.. 153 549	2 232 512	118 575	—	34 974	1	1
		1997.. 148 048	2 123 022	112 050	—	35 998	X	X
3335	Metalworking machinery mfg	1999.. 343 771	4 087 248	271 052	2 389	72 719	2	4
		1998.. 331 070	3 929 868	261 933	2 535	69 137	3	2
		1997.. 333 894	3 997 812	265 370	905	68 524	X	X
33351	Metalworking machinery mfg	1999.. 343 771	4 087 248	271 052	2 389	72 719	2	4
		1998.. 331 070	3 929 868	261 933	2 535	69 137	3	2
		1997.. 333 894	3 997 812	265 370	905	68 524	X	X
333511	Industrial mold mfg	1999.. 77 939	859 728	59 160	—	18 779	6	11
		1998.. 64 935	699 349	50 414	—	14 521	9	3
		1997.. 65 831	747 274	51 515	—	14 316	X	X
333512	Machine tool (metal cutting types) mfg	1999.. 34 961	417 477	27 303	—	7 658	6	9
		1998.. 37 069	465 016	29 458	—	7 611	4	5
		1997.. 42 676	510 674	34 069	—	8 607	X	X
333513	Machine tool (metal forming types) mfg	1999.. 16 156	214 546	12 952	—	3 204	7	23
		1998.. 18 754	232 898	14 027	—	4 727	2	1
		1997.. 18 205	217 588	13 289	—	4 916	X	X
333514	Special die & tool, die set, jig, & fixture mfg	1999.. 101 402	1 143 629	79 037	—	22 365	3	6
		1998.. 103 976	1 174 879	80 100	—	23 875	2	3
		1997.. 98 415	1 130 107	76 695	—	21 720	X	X
333515	Cutting tool & machine tool accessory mfg	1999.. 82 564	1 128 281	68 985	D	13 579	2	5
		1998.. 78 290	1 046 180	65 743	D	12 548	8	6
		1997.. 78 900	1 053 351	66 941	—	11 959	X	X
333516	Rolling mill machinery & equipment mfg	1999.. 7 403	83 786	5 400	—	2 003	6	26
		1998.. 8 237	90 121	6 182	—	2 055	5	4
		1997.. 9 993	123 163	7 299	—	2 694	X	X
333518	Other metalworking machinery mfg	1999.. 23 346	239 800	18 214	D	5 132	3	4
		1998.. 19 808	221 426	16 009	D	3 799	3	9
		1997.. 19 874	215 655	15 562	D	4 312	X	X
3336	Engine, turbine, & power transmission equipment mfg	1999.. 298 502	4 030 863	227 580	30 081	70 922	1	4
		1998.. 255 599	3 914 864	193 814	25 248	61 785	1	3
		1997.. 248 106	3 760 547	187 846	19 766	60 260	X	X
33361	Engine, turbine, & power transmission equipment mfg	1999.. 298 502	4 030 863	227 580	30 081	70 922	1	4
		1998.. 255 599	3 914 864	193 814	25 248	61 785	1	3
		1997.. 248 106	3 760 547	187 846	19 766	60 260	X	X
333611	Turbine & turbine generator set unit mfg	1999.. 81 308	575 557	67 784	16 524	13 525	2	1
		1998.. 44 755	617 399	35 846	14 290	8 909	1	7
		1997.. 41 002	586 515	32 981	9 868	8 021	X	X
333612	Speed changer, industrial high-speed drive, & gear mfg	1999.. 33 495	409 049	22 081	—	11 414	6	6
		1998.. 33 166	379 377	22 264	—	10 901	2	16
		1997.. 28 117	374 201	20 776	—	7 341	X	X
333613	Mechanical power transmission equipment mfg	1999.. 46 094	605 753	35 912	—	10 182	4	14
		1998.. 43 800	585 853	34 502	—	9 298	1	3
		1997.. 44 106	611 500	34 402	—	9 704	X	X
333618	Other engine equipment mfg	1999.. 137 605	2 440 503	101 803	13 557	35 802	2	5
		1998.. 133 878	2 332 235	101 202	10 958	32 677	2	2
		1997.. 134 881	2 188 331	99 687	9 898	35 194	X	X
3339	Other general-purpose machinery mfg	1999.. 494 257	6 226 803	373 475	S	120 783	1	4
		1998.. 472 241	6 150 229	368 863	S	103 377	1	5
		1997.. 478 208	6 066 001	360 009	121	118 199	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D	E	C	E
333	Machinery mfg—Con.							
3339	Other general-purpose machinery mfg—Con.							
33391	Pump & compressor mfg	1999.. 95 035	1 261 203	77 298	S	17 737	2	3
		1998.. 106 047	1 399 370	83 878	S	22 169	2	1
		1997.. 106 123	1 394 017	82 967	121	23 156	X	X
333911	Pump & pumping equipment mfg	1999.. 52 552	712 947	44 118	S	8 434	2	6
		1998.. 61 013	827 341	49 920	S	11 092	3	2
		1997.. 60 558	803 639	48 726	121	11 832	X	X
333912	Air & gas compressor mfg	1999.. 36 573	464 918	28 619	—	7 954	3	4
		1998.. 38 154	481 054	29 035	—	9 119	1	1
		1997.. 39 380	493 350	29 263	—	10 117	X	X
333913	Measuring & dispensing pump mfg	1999.. 5 910	83 338	4 561	—	1 349	2	7
		1998.. 6 881	90 975	4 923	—	1 958	2	9
		1997.. 6 185	97 028	4 978	—	1 207	X	X
33392	Material handling equipment mfg	1999.. 111 858	1 366 971	77 642	—	34 215	2	3
		1998.. 98 827	1 293 879	74 884	—	23 943	4	19
		1997.. 101 491	1 243 659	69 963	—	31 528	X	X
333921	Elevator & moving stairway mfg	1999.. 11 702	149 763	8 173	—	3 530	4	14
		1998.. 9 312	124 908	6 543	—	2 769	25	20
		1997.. 11 134	136 932	7 761	—	3 373	X	X
333922	Conveyor & conveying equipment mfg	1999.. 40 167	450 088	27 857	—	12 309	3	5
		1998.. 35 700	432 150	26 921	—	8 779	2	33
		1997.. 38 862	437 446	25 594	—	13 268	X	X
333923	Overhead traveling crane, hoist, & monorail system mfg	1999.. 27 375	335 525	18 899	—	8 476	7	8
		1998.. 21 131	283 399	17 346	—	3 786	16	92
		1997.. 21 116	250 511	14 399	—	6 717	X	X
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	1999.. 32 614	431 595	22 713	—	9 901	3	3
		1998.. 32 683	453 422	24 073	—	8 610	1	3
		1997.. 30 379	418 770	22 209	—	8 170	X	X
33399	All other general-purpose machinery mfg	1999.. 287 365	3 598 629	218 535	S	68 830	2	6
		1998.. 267 367	3 456 979	210 102	S	57 265	1	2
		1997.. 270 594	3 428 325	207 079	—	63 515	X	X
333991	Power-driven handtool mfg	1999.. 22 606	371 712	19 035	—	3 571	2	7
		1998.. 25 164	398 849	21 256	—	3 909	1	1
		1997.. 23 647	365 119	19 899	—	3 748	X	X
333992	Welding & soldering equipment mfg	1999.. 41 069	485 147	30 149	—	10 920	6	11
		1998.. 42 377	494 453	30 883	—	11 494	2	1
		1997.. 44 615	503 224	31 654	—	12 961	X	X
333993	Packaging machinery mfg	1999.. 29 129	354 945	22 605	—	6 524	4	4
		1998.. 27 817	332 078	21 491	—	6 326	3	10
		1997.. 27 967	328 763	21 035	—	6 932	X	X
333994	Industrial process furnace & oven mfg	1999.. 40 850	341 230	22 952	7 128	17 898	16	22
		1998.. 22 130	228 983	15 781	3 800	6 350	3	4
		1997.. 22 367	226 393	15 935	—	6 432	X	X
333995	Fluid power cylinder & actuator mfg	1999.. 37 578	514 660	30 759	—	6 819	2	4
		1998.. 35 523	513 118	29 506	—	6 017	2	5
		1997.. 39 275	508 444	29 677	—	9 598	X	X
333996	Fluid power pump & motor mfg	1999.. 29 869	490 097	26 689	S	3 180	4	5
		1998.. 29 417	485 157	26 393	S	3 024	1	1
		1997.. 28 578	460 444	25 206	—	3 372	X	X
333997	Scale & balance (except laboratory) mfg	1999.. 5 142	51 984	3 791	—	1 352	9	17
		1998.. 4 462	57 467	3 506	—	955	3	11
		1997.. 4 264	58 049	3 405	—	859	X	X
333999	All other miscellaneous general-purpose machinery mfg	1999.. 81 122	988 854	62 556	S	18 566	4	7
		1998.. 80 477	946 873	61 286	S	19 191	2	5
		1997.. 79 881	977 889	60 268	—	19 613	X	X
334	Computer & electronic product mfg	1999.. 2 592 200	36 445 036	2 209 328	S	382 872	1	3
		1998.. 2 616 486	37 502 721	2 244 720	S	371 766	1	1
		1997.. 2 636 066	37 807 312	2 223 687	S	412 379	X	X
3341	Computer & peripheral equipment mfg	1999.. 293 906	4 095 653	257 521	517 389	36 384	1	1
		1998.. 332 819	5 262 412	291 305	10 528	41 514	1	1
		1997.. 317 420	4 516 980	256 304	2 105	61 116	X	X
33411	Computer & peripheral equipment mfg	1999.. 293 906	4 095 653	257 521	517 389	36 384	1	1
		1998.. 332 819	5 262 412	291 305	10 528	41 514	1	1
		1997.. 317 420	4 516 980	256 304	2 105	61 116	X	X
334111	Electronic computer mfg	1999.. 85 361	934 912	75 635	D	9 726	1	1
		1998.. 105 686	1 404 078	94 642	D	11 044	1	1
		1997.. 108 390	1 694 184	96 724	—	11 666	X	X
334112	Computer storage device mfg	1999.. 89 210	1 513 661	84 917	D	4 293	1	3
		1998.. 94 938	1 797 187	89 436	D	5 502	1	3
		1997.. 81 658	993 084	57 223	D	24 435	X	X
334113	Computer terminal mfg	1999.. 6 217	88 716	5 582	—	635	24	3
		1998.. 6 869	96 528	6 415	—	454	2	3
		1997.. 8 679	110 089	8 055	—	624	X	X
334119	Other computer peripheral equipment mfg	1999.. 113 118	1 558 365	91 388	S	21 730	3	2
		1998.. 125 327	1 964 620	100 812	S	24 514	3	1
		1997.. 118 693	1 719 623	94 302	—	24 391	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)	C		E	
			Quantity (1,000 kWh)	Cost (\$1,000)					C
			A	B	C	D		E	C
334	Computer & electronic product mfg—Con.								
3342	Communications equipment mfg	1999.. 315 461	4 218 903	280 500	S	34 961	3	14	
		1998.. 293 899	4 086 487	259 251	S	34 648	1	1	
		1997.. 312 676	4 298 978	273 548	—	39 128	X	X	
33421	Telephone apparatus mfg	1999.. 125 022	1 624 909	108 574	—	16 448	8	30	
		1998.. 108 253	1 449 149	94 874	101	13 379	1	1	
		1997.. 105 469	1 417 119	89 364	—	16 105	X	X	
334210	Telephone apparatus mfg	1999.. 125 022	1 624 909	108 574	—	16 448	8	30	
		1998.. 108 253	1 449 149	94 874	101	13 379	1	1	
		1997.. 105 469	1 417 119	89 364	—	16 105	X	X	
33422	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 169 005	2 351 373	154 336	S	14 669	1	7	
		1998.. 165 294	2 404 006	147 683	S	17 611	1	1	
		1997.. 186 427	2 638 413	167 460	—	18 967	X	X	
334220	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 169 005	2 351 373	154 336	S	14 669	1	7	
		1998.. 165 294	2 404 006	147 683	S	17 611	1	1	
		1997.. 186 427	2 638 413	167 460	—	18 967	X	X	
33429	Other communications equipment mfg	1999.. 21 434	242 621	17 590	—	3 844	2	4	
		1998.. 20 352	233 332	16 694	226	3 658	2	5	
		1997.. 20 780	243 446	16 724	—	4 056	X	X	
334290	Other communications equipment mfg	1999.. 21 434	242 621	17 590	—	3 844	2	4	
		1998.. 20 352	233 332	16 694	226	3 658	2	5	
		1997.. 20 780	243 446	16 724	—	4 056	X	X	
3343	Audio & video equipment mfg	1999.. 29 036	512 597	24 408	—	4 628	8	9	
		1998.. 41 819	692 505	35 709	—	6 110	15	3	
		1997.. 33 889	527 556	27 193	—	6 696	X	X	
33431	Audio & video equipment mfg	1999.. 29 036	512 597	24 408	—	4 628	8	9	
		1998.. 41 819	692 505	35 709	—	6 110	15	3	
		1997.. 33 889	527 556	27 193	—	6 696	X	X	
334310	Audio & video equipment mfg	1999.. 29 036	512 597	24 408	—	4 628	8	9	
		1998.. 41 819	692 505	35 709	—	6 110	15	3	
		1997.. 33 889	527 556	27 193	—	6 696	X	X	
3344	Semiconductor & other electronic component mfg ..	1999.. 1 292 237	18 669 873	1 069 246	—	222 991	1	5	
		1998.. 1 259 401	18 198 139	1 063 843	—	195 558	1	2	
		1997.. 1 264 321	19 131 105	1 066 116	—	198 205	X	X	
33441	Semiconductor & other electronic component mfg	1999.. 1 292 237	18 669 873	1 069 246	—	222 991	1	5	
		1998.. 1 259 401	18 198 139	1 063 843	—	195 558	1	2	
		1997.. 1 264 321	19 131 105	1 066 116	—	198 205	X	X	
334411	Electron tube mfg	1999.. 64 869	1 013 052	50 101	—	14 768	7	3	
		1998.. 69 204	1 047 467	52 997	—	16 207	1	1	
		1997.. 71 188	1 205 054	55 001	—	16 187	X	X	
334412	Bare printed circuit board mfg	1999.. 164 135	2 094 086	140 522	—	23 613	3	7	
		1998.. 162 654	2 137 881	140 321	—	22 334	1	3	
		1997.. 149 567	1 888 218	127 002	—	22 565	X	X	
334413	Semiconductor & related device mfg	1999.. 727 774	11 328 886	599 633	—	128 141	1	7	
		1998.. 688 883	10 665 866	594 384	—	94 499	1	3	
		1997.. 694 979	11 298 692	589 885	—	105 094	X	X	
334414	Electronic capacitor mfg	1999.. 29 864	498 708	25 665	—	4 199	4	2	
		1998.. 30 016	509 377	26 759	—	3 257	2	4	
		1997.. 32 856	556 347	28 408	—	4 448	X	X	
334415	Electronic resistor mfg	1999.. 13 874	218 679	12 247	—	1 628	3	10	
		1998.. 14 058	225 263	12 590	—	1 468	2	7	
		1997.. 15 620	225 906	13 848	—	1 772	X	X	
334416	Electronic coil, transformer, & other inductor mfg	1999.. 16 715	197 297	12 713	—	4 003	5	6	
		1998.. 13 336	148 527	10 263	—	3 073	3	6	
		1997.. 14 470	165 988	11 065	—	3 405	X	X	
334417	Electronic connector mfg	1999.. 49 021	603 320	42 258	—	6 763	5	27	
		1998.. 49 847	671 439	44 349	—	5 497	2	12	
		1997.. 52 943	674 694	44 893	—	8 050	X	X	
334418	Printed circuit assembly (electronic assembly) mfg	1999.. 135 724	1 677 342	117 346	—	18 378	4	29	
		1998.. 140 778	1 642 170	109 626	—	31 152	1	9	
		1997.. 145 204	2 011 450	123 915	—	21 289	X	X	
334419	Other electronic component mfg	1999.. 90 260	1 038 502	68 762	—	21 498	4	11	
		1998.. 90 625	1 150 148	72 554	—	18 071	1	9	
		1997.. 87 494	1 104 756	72 099	—	15 395	X	X	
3345	Navigational, measuring, medical, & control instruments mfg	1999.. 545 269	7 354 817	476 410	S	68 858	1	3	
		1998.. 561 778	7 500 509	486 744	S	75 033	1	2	
		1997.. 578 396	7 660 395	490 732	S	87 664	X	X	
33451	Navigational, measuring, medical, & control instruments mfg	1999.. 545 269	7 354 817	476 410	S	68 858	1	3	
		1998.. 561 778	7 500 509	486 744	S	75 033	1	2	
		1997.. 578 396	7 660 395	490 732	S	87 664	X	X	
334510	Electromedical & electrotherapeutic apparatus mfg	1999.. 41 131	592 103	36 808	S	4 323	3	5	
		1998.. 45 155	613 993	39 095	S	6 060	5	1	
		1997.. 45 757	652 043	39 855	S	5 902	X	X	
334511	Search, detection, navigation, & guidance instrument mfg	1999.. 235 939	3 327 720	215 171	S	20 768	2	6	
		1998.. 241 170	3 393 551	218 962	S	22 208	1	1	
		1997.. 260 114	3 586 462	226 121	S	33 993	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
334	Computer & electronic product mfg—Con.								
3345	Navigational, measuring, medical, & control instruments mfg—Con.								
33451	Navigational, measuring, medical, & control instruments mfg—Con.								
334512	Automatic environmental control mfg	1999.. 26 120	406 372	22 237	4 390	3 883	5	13	
		1998.. 26 517	419 114	23 121	—	3 397	5	6	
		1997.. 25 139	386 987	21 307	—	3 832	X	X	
334513	Industrial process control instrument mfg	1999.. 47 120	598 349	39 812	S	7 308	2	10	
		1998.. 47 936	601 900	41 079	S	6 857	2	4	
		1997.. 45 890	588 396	38 680	S	7 210	X	X	
334514	Totalizing fluid meter & counting device mfg ...	1999.. 20 380	336 018	16 139	S	4 241	9	18	
		1998.. 23 388	350 451	18 351	S	5 037	1	10	
		1997.. 22 360	326 153	17 599	S	4 761	X	X	
334515	Electricity measuring & testing instrument mfg	1999.. 71 817	880 383	61 914	S	9 902	2	7	
		1998.. 76 259	922 517	63 542	S	12 717	4	12	
		1997.. 75 915	915 019	64 669	S	11 246	X	X	
334516	Analytical laboratory instrument mfg	1999.. 35 455	393 484	29 748	S	5 707	3	15	
		1998.. 33 829	389 763	28 831	S	4 998	2	9	
		1997.. 34 160	379 469	28 302	S	5 858	X	X	
334517	Irradiation apparatus mfg	1999.. 17 748	245 291	15 035	S	2 713	3	3	
		1998.. 18 995	263 763	15 960	S	3 036	2	3	
		1997.. 19 583	277 057	16 164	S	3 419	X	X	
334518	Watch, clock, & part mfg	1999.. 6 557	115 641	6 234	—	323	16	224	
		1998.. 7 827	116 855	6 489	—	1 338	3	10	
		1997.. 7 998	112 818	6 576	—	1 422	X	X	
334519	Other measuring & controlling device mfg	1999.. 43 000	459 456	33 311	S	9 689	3	3	
		1998.. 40 701	428 601	31 316	S	9 386	2	5	
		1997.. 41 480	435 991	31 459	S	10 021	X	X	
3346	Mfg & reproducing magnetic & optical media	1999.. 116 293	1 593 194	101 242	—	15 051	2	7	
		1998.. 126 771	1 762 669	107 868	—	18 903	2	1	
		1997.. 129 364	1 672 298	109 794	—	19 570	X	X	
33461	Mfg & reproducing magnetic & optical media	1999.. 116 293	1 593 194	101 242	—	15 051	2	7	
		1998.. 126 771	1 762 669	107 868	—	18 903	2	1	
		1997.. 129 364	1 672 298	109 794	—	19 570	X	X	
334611	Software reproducing	1999.. 8 588	97 724	6 687	—	1 901	11	43	
		1998.. 15 524	190 622	12 002	—	3 522	10	4	
		1997.. 12 890	164 549	10 649	—	2 241	X	X	
334612	Prerecorded CD (except software), tape, & record reproducing	1999.. 53 373	718 849	46 767	—	6 606	4	7	
		1998.. 53 704	726 163	46 276	—	7 428	1	2	
		1997.. 51 156	629 584	40 816	—	10 340	X	X	
334613	Magnetic & optical recording media mfg	1999.. 54 332	776 620	47 789	—	6 544	3	4	
		1998.. 57 542	845 884	49 590	—	7 952	4	1	
		1997.. 65 318	878 165	58 329	—	6 989	X	X	
335	Electrical equipment, appliance, & component mfg ...	1999.. 1 095 294	16 074 062	847 506	S	247 788	1	2	
		1998.. 1 114 870	16 125 340	878 013	S	236 857	1	1	
		1997.. 1 161 112	16 436 990	895 980	S	265 132	X	X	
3351	Electric lighting equipment mfg	1999.. 123 038	1 443 981	89 876	193	33 161	3	7	
		1998.. 113 551	1 338 874	83 096	—	30 455	1	2	
		1997.. 123 464	1 364 455	84 940	D	38 524	X	X	
33511	Electric lamp bulb & part mfg	1999.. 43 607	608 280	34 371	—	9 236	4	4	
		1998.. 46 491	634 570	36 249	—	10 242	1	1	
		1997.. 55 090	665 556	38 239	D	16 851	X	X	
335110	Electric lamp bulb & part mfg	1999.. 43 607	608 280	34 371	D	9 236	4	4	
		1998.. 46 491	634 570	36 249	D	10 242	1	1	
		1997.. 55 090	665 556	38 239	D	16 851	X	X	
33512	Lighting fixture mfg	1999.. 79 431	835 701	55 505	S	23 926	3	9	
		1998.. 67 060	704 304	46 848	S	20 213	1	4	
		1997.. 68 374	698 899	46 701	S	21 673	X	X	
335121	Residential electric lighting fixture mfg	1999.. 16 276	139 311	10 890	S	5 386	5	9	
		1998.. 15 610	126 865	9 987	S	5 623	3	7	
		1997.. 15 176	123 485	9 848	S	5 328	X	X	
335122	Commercial/industrial/institutional electric lighting fixture mfg	1999.. 31 455	330 726	21 337	—	10 119	6	15	
		1998.. 28 203	310 011	19 756	—	8 447	1	1	
		1997.. 28 837	306 926	19 561	—	9 276	X	X	
335129	Other lighting equipment mfg	1999.. 31 699	365 664	23 278	193	8 421	5	19	
		1998.. 23 247	267 428	17 104	—	6 143	3	10	
		1997.. 24 361	268 488	17 292	—	7 069	X	X	
3352	Household appliance mfg	1999.. 153 314	2 519 268	111 042	10 465	42 272	1	4	
		1998.. 159 446	2 536 064	119 126	11 927	40 320	2	2	
		1997.. 160 642	2 525 947	115 131	7 150	45 511	X	X	
33521	Small electrical appliance mfg	1999.. 39 447	591 131	30 385	—	9 061	4	19	
		1998.. 50 050	728 358	41 615	—	8 434	5	4	
		1997.. 48 581	659 990	39 272	—	9 309	X	X	
335211	Electric housewares & household fan mfg	1999.. 24 376	317 486	17 470	—	6 906	6	24	
		1998.. 33 677	432 759	27 985	—	5 692	8	6	
		1997.. 32 170	393 094	25 820	—	6 350	X	X	
335212	Household vacuum cleaner mfg	1999.. 15 071	273 645	12 916	—	2 155	3	1	
		1998.. 16 372	295 599	13 630	—	2 742	1	1	
		1997.. 16 411	266 896	13 452	—	2 959	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
			A	B	C		D	E
335	Electrical equipment, appliance, & component mfg—Con.							
3352	Household appliance mfg—Con.							
33522	Major appliance mfg	1999.. 113 867	1 928 137	80 656	10 465	33 211	1	1
		1998.. 109 397	1 807 706	77 511	11 927	31 886	2	2
		1997.. 112 061	1 865 957	75 859	7 150	36 202	X	X
335221	Household cooking appliance mfg	1999.. 29 569	412 172	18 104	D	11 465	1	1
		1998.. 28 143	353 608	17 523	D	10 620	7	7
		1997.. 28 097	361 671	16 526	D	11 571	X	X
335222	Household refrigerator & home freezer mfg	1999.. 35 240	702 890	28 840	—	6 400	1	1
		1998.. 32 876	670 360	27 220	—	5 656	1	1
		1997.. 36 069	741 966	28 853	—	7 216	X	X
335224	Household laundry equipment mfg	1999.. 26 703	477 867	18 071	—	8 632	1	1
		1998.. 27 039	460 449	17 812	—	9 228	1	1
		1997.. 27 023	450 704	17 007	—	10 016	X	X
335228	Other major household appliance mfg	1999.. 22 355	335 208	15 642	D	6 714	3	1
		1998.. 21 338	323 289	14 956	D	6 382	1	1
		1997.. 20 872	311 616	13 473	D	7 399	X	X
3353	Electrical equipment mfg	1999.. 263 007	3 610 973	200 853	S	62 154	2	2
		1998.. 269 391	3 679 554	210 036	S	59 354	1	2
		1997.. 273 374	3 721 010	211 033	S	62 341	X	X
33531	Electrical equipment mfg	1999.. 263 007	3 610 973	200 853	S	62 154	2	2
		1998.. 269 391	3 679 554	210 036	S	59 354	1	2
		1997.. 273 374	3 721 010	211 033	S	62 341	X	X
335311	Power, distribution, & specialty transformer mfg	1999.. 39 177	561 090	28 508	S	10 669	4	4
		1998.. 42 332	599 527	31 068	S	11 264	3	8
		1997.. 43 863	589 056	31 684	S	12 179	X	X
335312	Motor & generator mfg	1999.. 106 703	1 513 750	79 219	S	27 483	1	3
		1998.. 105 974	1 493 883	78 475	S	27 498	3	4
		1997.. 111 958	1 601 511	82 306	S	29 652	X	X
335313	Switchgear & switchboard apparatus mfg	1999.. 57 838	742 742	45 373	—	12 464	2	4
		1998.. 59 386	755 056	48 895	—	10 491	1	1
		1997.. 56 414	711 107	45 934	—	10 480	X	X
335314	Relay & industrial control mfg	1999.. 59 289	793 391	47 753	S	11 537	5	6
		1998.. 61 700	831 087	51 599	S	10 101	2	3
		1997.. 61 139	819 336	51 109	S	10 030	X	X
3359	Other electrical equipment & component mfg	1999.. 555 936	8 499 839	445 736	S	110 200	1	2
		1998.. 572 482	8 570 848	465 754	S	106 727	1	2
		1997.. 603 632	8 825 578	484 876	S	118 756	X	X
33591	Battery mfg	1999.. 131 628	2 180 772	106 638	D	24 990	3	7
		1998.. 123 287	1 913 199	98 012	D	25 274	1	1
		1997.. 143 004	2 134 936	115 888	D	27 116	X	X
335911	Storage battery mfg	1999.. 108 655	1 795 346	88 297	—	20 358	3	9
		1998.. 102 528	1 569 751	81 427	—	21 100	1	1
		1997.. 123 249	1 811 570	100 390	—	22 859	X	X
335912	Primary battery mfg	1999.. 22 974	385 426	18 342	S	4 632	7	5
		1998.. 20 759	343 448	16 585	S	4 174	1	1
		1997.. 19 755	323 366	15 498	S	4 257	X	X
33592	Communication & energy wire & cable mfg	1999.. 167 723	2 550 465	141 601	D	26 122	3	2
		1998.. 153 428	2 376 473	129 002	D	24 426	1	8
		1997.. 149 270	2 319 810	125 467	D	23 803	X	X
335921	Fiber optic cable mfg	1999.. 27 667	444 703	23 873	D	3 794	8	6
		1998.. 22 457	381 996	18 505	D	3 953	1	2
		1997.. 19 947	344 565	16 405	D	3 542	X	X
335929	Other communication & energy wire mfg	1999.. 140 055	2 105 762	117 728	—	22 327	3	2
		1998.. 130 970	1 994 477	110 497	—	20 473	1	9
		1997.. 129 323	1 975 245	109 062	—	20 261	X	X
33593	Wiring device mfg	1999.. 121 703	1 716 268	101 402	S	20 301	3	2
		1998.. 151 421	1 897 542	129 959	S	21 462	1	2
		1997.. 122 609	1 656 133	101 066	S	21 543	X	X
335931	Current-carrying wiring device mfg	1999.. 56 848	804 813	48 048	3 564	8 800	2	4
		1998.. 59 933	811 052	51 914	—	8 019	1	2
		1997.. 58 194	740 774	49 484	S	8 710	X	X
335932	Noncurrent-carrying wiring device mfg	1999.. 64 855	911 455	53 353	S	11 502	4	2
		1998.. 91 487	1 086 491	78 044	S	13 443	1	3
		1997.. 64 415	915 359	51 582	S	12 833	X	X
33599	All other electrical equipment & component mfg ..	1999.. 134 882	2 052 334	96 095	S	38 788	2	3
		1998.. 144 346	2 383 634	108 781	S	35 565	1	4
		1997.. 188 749	2 714 699	142 455	S	46 294	X	X
335991	Carbon & graphite product mfg	1999.. 86 505	1 522 916	56 806	—	29 699	1	3
		1998.. 94 695	1 831 237	66 344	—	28 351	1	3
		1997.. 106 522	1 813 935	68 400	—	38 122	X	X
335999	All other miscellaneous electrical equipment & component mfg	1999.. 48 378	529 419	39 289	S	9 089	4	9
		1998.. 49 651	552 397	42 437	S	7 214	4	15
		1997.. 82 227	900 764	74 055	S	8 172	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)	C		E	
			Quantity (1,000 kWh)	Cost (\$1,000)					
			A	B	C	D		E	C
336	Transportation equipment mfg	1999..	3 618 959	52 853 541	2 704 680	S	914 280	1	1
		1998..	3 602 658	51 500 105	2 661 431	S	941 227	1	1
		1997..	3 760 330	53 193 755	2 773 661	S	986 669	X	X
3361	Motor vehicle mfg	1999..	687 924	10 197 634	452 631	S	235 293	1	1
		1998..	689 691	10 090 972	445 815	S	243 875	1	1
		1997..	719 109	9 946 244	448 811	S	270 298	X	X
33611	Automobile & light duty motor vehicle mfg	1999..	646 499	9 549 238	423 798	S	222 701	1	1
		1998..	649 624	9 518 430	416 823	S	232 802	1	1
		1997..	680 340	9 446 274	422 402	S	257 938	X	X
336111	Automobile mfg	1999..	338 356	5 334 688	226 103	S	112 253	1	1
		1998..	343 804	5 279 104	220 803	S	123 001	1	1
		1997..	350 357	5 366 457	226 440	S	123 917	X	X
336112	Light truck & utility vehicle mfg	1999..	308 143	4 214 550	197 695	S	110 448	1	1
		1998..	305 821	4 239 326	196 020	S	109 801	1	1
		1997..	329 983	4 079 817	195 962	S	134 021	X	X
33612	Heavy duty truck mfg	1999..	41 425	648 396	28 833	S	12 593	1	1
		1998..	40 066	572 542	28 993	S	11 074	1	1
		1997..	38 769	499 970	26 409	S	12 360	X	X
336120	Heavy duty truck mfg	1999..	41 425	648 396	28 833	S	12 593	1	1
		1998..	40 066	572 542	28 993	S	11 074	1	1
		1997..	38 769	499 970	26 409	S	12 360	X	X
3362	Motor vehicle body & trailer mfg	1999..	124 034	1 396 770	83 042	S	40 993	3	3
		1998..	115 830	1 339 403	77 654	S	38 176	1	4
		1997..	123 427	1 390 032	84 186	S	39 241	X	X
33621	Motor vehicle body & trailer mfg	1999..	124 034	1 396 770	83 042	S	40 993	3	3
		1998..	115 830	1 339 403	77 654	S	38 176	1	4
		1997..	123 427	1 390 032	84 186	S	39 241	X	X
336211	Motor vehicle body mfg	1999..	47 175	517 432	31 445	S	15 730	4	4
		1998..	46 167	503 846	30 185	S	15 982	2	8
		1997..	55 543	594 784	38 472	S	17 071	X	X
336212	Truck trailer mfg	1999..	34 764	446 035	25 526	S	9 239	5	6
		1998..	31 600	415 040	23 214	S	8 385	2	3
		1997..	29 922	382 211	21 278	S	8 644	X	X
336213	Motor home mfg	1999..	12 798	141 804	7 930	S	4 869	2	2
		1998..	12 850	153 539	8 582	S	4 267	1	2
		1997..	13 539	153 017	8 948	S	4 591	X	X
336214	Travel trailer & camper mfg	1999..	29 297	291 500	18 141	S	11 155	5	10
		1998..	25 214	266 978	15 672	S	9 542	2	4
		1997..	24 423	260 020	15 488	S	8 935	X	X
3363	Motor vehicle parts mfg	1999..	1 760 693	26 479 382	1 346 524	S	414 169	1	2
		1998..	1 725 609	25 532 501	1 321 418	S	404 191	1	1
		1997..	1 858 160	26 587 328	1 409 814	S	448 346	X	X
33631	Motor vehicle gasoline engine & engine parts mfg	1999..	246 728	4 241 267	203 606	S	43 122	2	6
		1998..	259 912	4 134 043	207 202	S	52 710	1	1
		1997..	294 362	4 118 740	223 547	S	70 815	X	X
336311	Carburetor, piston, piston ring, & valve mfg	1999..	46 356	818 191	37 729	S	8 627	1	1
		1998..	43 543	758 210	35 287	S	8 256	1	2
		1997..	43 016	692 644	33 187	S	9 829	X	X
336312	Gasoline engine & engine parts mfg	1999..	200 371	3 423 076	165 876	S	34 495	3	7
		1998..	216 369	3 375 833	171 914	S	44 454	1	1
		1997..	251 346	3 426 096	190 360	S	60 986	X	X
33632	Motor vehicle electrical & electronic equipment mfg	1999..	165 803	2 542 254	129 976	S	35 827	3	4
		1998..	156 485	2 467 713	126 733	S	29 752	1	1
		1997..	167 573	2 550 277	134 336	S	33 237	X	X
336321	Vehicular lighting equipment mfg	1999..	37 838	683 764	31 575	S	6 263	2	1
		1998..	32 606	555 504	27 337	S	5 270	1	1
		1997..	34 419	571 260	27 850	S	6 569	X	X
336322	Other motor vehicle electrical & electronic equipment mfg	1999..	127 965	1 858 490	98 401	S	29 564	3	5
		1998..	123 878	1 912 209	99 396	S	24 482	1	1
		1997..	133 154	1 979 017	106 486	S	26 668	X	X
33633	Motor vehicle steering & suspension component (except spring) mfg	1999..	116 830	1 975 462	89 311	S	27 519	1	8
		1998..	118 023	1 944 730	89 723	S	28 300	1	1
		1997..	124 956	1 984 628	93 875	S	31 081	X	X
336330	Motor vehicle steering & suspension component (except spring) mfg	1999..	116 830	1 975 462	89 311	S	27 519	1	8
		1998..	118 023	1 944 730	89 723	S	28 300	1	1
		1997..	124 956	1 984 628	93 875	S	31 081	X	X
33634	Motor vehicle brake system mfg	1999..	96 999	1 556 999	76 358	S	20 640	1	3
		1998..	96 127	1 545 280	76 599	S	19 528	1	1
		1997..	93 780	1 474 818	73 881	S	19 899	X	X
336340	Motor vehicle brake system mfg	1999..	96 999	1 556 999	76 358	S	20 640	1	3
		1998..	96 127	1 545 280	76 599	S	19 528	1	1
		1997..	93 780	1 474 818	73 881	S	19 899	X	X
33635	Motor vehicle transmission & power train parts mfg	1999..	309 092	4 719 941	228 418	S	80 675	1	1
		1998..	302 518	4 626 945	230 546	S	71 972	1	1
		1997..	304 238	4 423 785	227 311	S	76 927	X	X
336350	Motor vehicle transmission & power train parts mfg	1999..	309 092	4 719 941	228 418	S	80 675	1	1
		1998..	302 518	4 626 945	230 546	S	71 972	1	1
		1997..	304 238	4 423 785	227 311	S	76 927	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—		
			Purchased		Generated less sold (1,000 kWh)		C	E	
			Quantity (1,000 kWh)	Cost (\$1,000)					D
			A	B					
336	Transportation equipment mfg—Con.								
3363	Motor vehicle parts mfg—Con.								
33636	Motor vehicle seating & interior trim mfg.....	1999.. 83 392	1 108 751	65 101	S	18 291	6	7	
		1998.. 61 832	865 225	47 749	S	14 083	2	1	
		1997.. 61 072	847 569	45 873	S	15 199	X	X	
336360	Motor vehicle seating & interior trim mfg.....	1999.. 83 392	1 108 751	65 101	S	18 291	6	7	
		1998.. 61 832	865 225	47 749	S	14 083	2	1	
		1997.. 61 072	847 569	45 873	S	15 199	X	X	
33637	Motor vehicle metal stamping	1999.. 286 870	3 955 465	222 378	S	64 492	2	5	
		1998.. 292 934	3 955 973	224 066	S	68 868	1	5	
		1997.. 340 924	4 783 503	270 969	S	69 955	X	X	
336370	Motor vehicle metal stamping	1999.. 286 870	3 955 465	222 378	S	64 492	2	5	
		1998.. 292 934	3 955 973	224 066	S	68 868	1	5	
		1997.. 340 924	4 783 503	270 969	S	69 955	X	X	
33639	Other motor vehicle parts mfg	1999.. 454 978	6 379 244	331 376	S	123 602	2	3	
		1998.. 437 778	5 992 593	318 800	S	118 978	1	1	
		1997.. 471 255	6 404 008	340 022	S	131 233	X	X	
336391	Motor vehicle air-conditioning mfg	1999.. 47 307	727 728	37 985	S	9 322	1	1	
		1998.. 51 854	792 811	41 816	S	10 039	1	1	
		1997.. 56 636	1 043 198	44 019	S	12 617	X	X	
336399	All other motor vehicle parts mfg	1999.. 407 672	5 651 515	293 391	S	114 281	2	3	
		1998.. 385 924	5 199 782	276 984	S	108 939	2	1	
		1997.. 414 619	5 360 810	296 003	S	118 616	X	X	
3364	Aerospace product & parts mfg	1999.. 782 799	11 280 824	632 140	S	150 659	1	2	
		1998.. 812 477	11 133 430	630 905	S	181 573	1	2	
		1997.. 789 791	11 857 087	640 230	S	149 561	X	X	
33641	Aerospace product & parts mfg	1999.. 782 799	11 280 824	632 140	S	150 659	1	2	
		1998.. 812 477	11 133 430	630 905	S	181 573	1	2	
		1997.. 789 791	11 857 087	640 230	S	149 561	X	X	
336411	Aircraft mfg.....	1999.. 232 233	3 392 374	183 269	S	48 963	1	1	
		1998.. 254 286	3 331 812	177 197	S	77 089	1	1	
		1997.. 218 070	3 912 508	177 475	S	40 595	X	X	
336412	Aircraft engine & engine parts mfg.....	1999.. 170 448	2 415 316	140 334	S	30 114	1	1	
		1998.. 177 752	2 325 593	143 332	S	34 420	3	1	
		1997.. 199 212	2 454 758	156 001	S	43 211	X	X	
336413	Other aircraft part & auxiliary equipment mfg...	1999.. 263 022	3 656 019	208 735	S	54 287	1	5	
		1998.. 256 971	3 620 559	206 844	S	50 127	1	6	
		1997.. 239 949	3 523 776	195 080	S	44 869	X	X	
336414	Guided missile & space vehicle mfg	1999.. 64 669	1 026 747	57 056	S	7 613	1	1	
		1998.. 68 836	1 071 515	60 392	S	8 444	1	1	
		1997.. 76 409	1 159 207	66 854	S	9 555	X	X	
336415	Guided missile & space vehicle propulsion unit & parts mfg.....	1999.. 37 484	568 959	30 130	S	7 354	1	1	
		1998.. 37 550	561 041	30 112	S	7 438	1	1	
		1997.. 40 854	588 957	32 539	S	8 315	X	X	
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	1999.. 14 944	221 410	12 617	S	2 327	1	1	
		1998.. 17 083	222 910	13 027	S	4 055	1	1	
		1997.. 15 297	217 881	12 281	S	3 016	X	X	
3365	Railroad rolling stock mfg	1999.. 58 600	601 072	35 284	S	23 316	2	1	
		1998.. 57 857	594 531	34 521	S	23 336	1	1	
		1997.. 59 042	574 038	35 414	S	23 628	X	X	
33651	Railroad rolling stock mfg	1999.. 58 600	601 072	35 284	S	23 316	2	1	
		1998.. 57 857	594 531	34 521	S	23 336	1	1	
		1997.. 59 042	574 038	35 414	S	23 628	X	X	
336510	Railroad rolling stock mfg	1999.. 58 600	601 072	35 284	S	23 316	2	1	
		1998.. 57 857	594 531	34 521	S	23 336	1	1	
		1997.. 59 042	574 038	35 414	S	23 628	X	X	
3366	Ship & boat building	1999.. 142 523	2 058 454	113 040	S	29 483	5	3	
		1998.. 141 813	2 033 488	110 235	S	31 578	1	2	
		1997.. 151 335	2 098 037	114 620	S	36 715	X	X	
33661	Ship & boat building	1999.. 142 523	2 058 454	113 040	S	29 483	5	3	
		1998.. 141 813	2 033 488	110 235	S	31 578	1	2	
		1997.. 151 335	2 098 037	114 620	S	36 715	X	X	
336611	Ship building & repairing	1999.. 101 646	1 632 823	85 955	S	15 691	6	3	
		1998.. 106 121	1 659 735	87 138	S	18 983	1	4	
		1997.. 116 041	1 725 571	92 306	S	23 735	X	X	
336612	Boat building	1999.. 40 877	425 631	27 085	D	13 792	2	6	
		1998.. 35 693	373 752	23 098	D	12 595	1	2	
		1997.. 35 294	372 466	22 314	D	12 980	X	X	
3369	Other transportation equipment mfg	1999.. 62 387	839 405	42 019	S	20 368	2	16	
		1998.. 59 380	775 780	40 883	S	18 497	1	6	
		1997.. 59 466	740 989	40 586	S	18 880	X	X	

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
		A	B	C	D			
336	Transportation equipment mfg—Con.							
3369	Other transportation equipment mfg—Con.							
33699	Other transportation equipment mfg	1999.. 62 387	839 405	42 019	S	20 368	2	16
		1998.. 59 380	775 780	40 883	S	18 497	1	6
		1997.. 59 466	740 989	40 586	S	18 880	X	X
336991	Motorcycle, bicycle, & parts mfg.....	1999.. 26 082	335 362	16 083	S	9 999	3	31
		1998.. 23 200	279 761	14 867	S	8 333	2	13
		1997.. 25 197	284 675	16 604	S	8 593	X	X
336992	Military armored vehicle, tank, & tank component mfg	1999.. 11 633	179 930	10 181	—	1 452	1	1
		1998.. 11 814	180 477	10 171	—	1 643	1	1
		1997.. 12 148	182 794	10 181	—	1 967	X	X
336999	All other transportation equipment mfg	1999.. 24 671	324 113	15 755	—	8 917	4	12
		1998.. 24 366	315 542	15 845	—	8 521	1	1
		1997.. 22 121	273 520	13 801	—	8 320	X	X
337	Furniture & related product mfg	1999.. 690 872	8 719 262	515 639	S	175 233	1	4
		1998.. 658 023	8 444 888	493 450	S	164 573	1	2
		1997.. 665 933	8 410 129	489 911	S	176 022	X	X
3371	Household & institutional furniture & kitchen cabinet mfg	1999.. 414 500	5 385 455	322 869	S	91 631	1	6
		1998.. 392 410	5 192 167	308 020	S	84 390	2	1
		1997.. 391 704	5 060 623	300 740	S	90 964	X	X
33711	Wood kitchen cabinet & counter top mfg	1999.. 105 700	1 224 842	76 682	D	29 019	2	10
		1998.. 98 143	1 174 921	73 793	D	24 350	1	2
		1997.. 93 475	1 099 410	68 619	D	24 856	X	X
337110	Wood kitchen cabinet & counter top mfg	1999.. 105 700	1 224 842	76 682	D	29 019	2	10
		1998.. 98 143	1 174 921	73 793	D	24 350	1	2
		1997.. 93 475	1 099 410	68 619	D	24 856	X	X
33712	Household & institutional furniture mfg	1999.. 308 800	4 160 613	246 188	S	62 613	1	7
		1998.. 294 267	4 017 246	234 227	S	60 040	2	1
		1997.. 298 229	3 961 213	232 121	S	66 108	X	X
337121	Upholstered household furniture mfg	1999.. 53 982	713 105	43 284	D	10 698	2	5
		1998.. 51 454	704 482	42 516	D	8 938	1	3
		1997.. 49 652	643 557	39 436	D	10 216	X	X
337122	Nonupholstered wood household furniture mfg	1999.. 165 610	2 463 449	139 796	D	25 814	2	4
		1998.. 158 574	2 410 193	132 491	D	26 083	3	2
		1997.. 160 765	2 373 667	133 025	D	27 740	X	X
337124	Metal household furniture mfg	1999.. 26 260	235 303	15 453	—	10 806	6	9
		1998.. 25 796	261 510	16 259	—	9 536	4	4
		1997.. 23 629	229 340	14 694	—	8 935	X	X
337125	Household furniture (except wood & metal) mfg	1999.. 10 948	159 464	9 453	D	1 495	11	22
		1998.. 7 543	103 282	6 762	D	782	5	4
		1997.. 10 332	162 182	9 285	D	1 047	X	X
337127	Institutional furniture mfg	1999.. 46 241	517 305	33 374	S	12 868	3	30
		1998.. 45 367	478 944	31 951	—	13 416	4	3
		1997.. 48 429	487 604	31 304	—	17 125	X	X
337129	Wood television, radio, & sewing machine cabinet mfg	1999.. 5 759	71 987	4 827	—	932	5	7
		1998.. 5 533	58 835	4 248	—	1 286	4	17
		1997.. 5 422	64 863	4 377	—	1 045	X	X
3372	Office furniture (including fixtures) mfg	1999.. 241 529	2 949 742	167 766	13 408	73 763	4	5
		1998.. 232 517	2 865 538	160 257	9 485	72 260	1	5
		1997.. 242 223	2 984 243	165 078	10 957	77 145	X	X
33721	Office furniture (including fixtures) mfg	1999.. 241 529	2 949 742	167 766	13 408	73 763	4	5
		1998.. 232 517	2 865 538	160 257	9 485	72 260	1	5
		1997.. 242 223	2 984 243	165 078	10 957	77 145	X	X
337211	Wood office furniture mfg	1999.. 40 699	507 503	31 716	—	8 982	5	8
		1998.. 36 692	440 582	27 742	—	8 950	1	8
		1997.. 41 390	494 334	31 472	—	9 918	X	X
337212	Custom architectural woodwork & millwork mfg	1999.. 24 940	507 393	16 840	D	8 100	11	13
		1998.. 22 357	492 979	15 647	D	6 709	3	6
		1997.. 21 617	481 196	14 853	D	6 764	X	X
337214	Office furniture (except wood) mfg.....	1999.. 69 654	852 655	49 452	D	20 203	2	5
		1998.. 67 349	840 218	48 617	D	18 732	1	3
		1997.. 73 788	912 180	52 454	D	21 334	X	X
337215	Showcase, partition, shelving, & locker mfg.....	1999.. 106 236	1 082 190	69 758	D	36 478	8	10
		1998.. 106 120	1 091 759	68 250	D	37 870	2	8
		1997.. 105 428	1 096 533	66 299	D	39 129	X	X
3379	Other furniture related product mfg	1999.. 34 843	384 066	25 003	—	9 839	3	13
		1998.. 33 095	387 183	25 173	—	7 922	2	2
		1997.. 32 006	365 263	24 093	—	7 913	X	X
33791	Mattress mfg	1999.. 19 054	199 820	13 219	—	5 835	5	21
		1998.. 17 491	194 449	13 121	—	4 370	2	2
		1997.. 17 205	187 737	12 562	—	4 643	X	X
337910	Mattress mfg	1999.. 19 054	199 820	13 219	—	5 835	5	21
		1998.. 17 491	194 449	13 121	—	4 370	2	2
		1997.. 17 205	187 737	12 562	—	4 643	X	X
33792	Blind & shade mfg.....	1999.. 15 788	184 246	11 784	—	4 004	3	9
		1998.. 15 604	192 734	12 052	—	3 552	2	3
		1997.. 14 801	177 526	11 531	—	3 270	X	X
337920	Blind & shade mfg.....	1999.. 15 788	184 246	11 784	—	4 004	3	9
		1998.. 15 604	192 734	12 052	—	3 552	2	3
		1997.. 14 801	177 526	11 531	—	3 270	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendices]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy				Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)	C		E	
			Quantity (1,000 kWh)	Cost (\$1,000)					C
			A	B	C	D		E	C
339	Miscellaneous mfg	1999..	841 546	10 624 822	657 969	S	183 577	1	2
		1998..	836 271	10 399 136	652 384	S	183 887	1	1
		1997..	822 883	10 121 006	634 534	S	188 349	X	X
3391	Medical equipment & supplies mfg	1999..	320 123	4 235 640	271 337	S	48 786	2	3
		1998..	316 499	4 145 754	267 477	S	49 023	1	2
		1997..	303 107	3 934 202	255 209	S	47 898	X	X
33911	Medical equipment & supplies mfg	1999..	320 123	4 235 640	271 337	S	48 786	2	3
		1998..	316 499	4 145 754	267 477	S	49 023	1	2
		1997..	303 107	3 934 202	255 209	S	47 898	X	X
339111	Laboratory apparatus & furniture mfg	1999..	17 627	190 097	13 041	—	4 586	5	12
		1998..	16 280	191 504	12 963	—	3 317	3	15
		1997..	17 494	187 974	12 673	—	4 821	X	X
339112	Surgical & medical instrument mfg	1999..	121 924	1 741 125	106 205	S	15 719	3	6
		1998..	124 993	1 704 142	106 447	S	18 546	3	1
		1997..	123 429	1 675 820	106 088	S	17 341	X	X
339113	Surgical appliance & supplies mfg	1999..	105 424	1 346 875	88 717	S	16 707	3	4
		1998..	100 843	1 296 158	83 879	S	16 964	1	1
		1997..	91 444	1 170 086	75 223	S	16 221	X	X
339114	Dental equipment & supplies mfg	1999..	17 715	210 778	14 881	—	2 834	3	12
		1998..	16 793	203 429	14 107	—	2 687	3	2
		1997..	16 006	192 358	13 412	S	2 594	X	X
339115	Ophthalmic goods mfg	1999..	36 713	497 183	31 837	—	4 876	5	4
		1998..	33 570	446 507	29 708	—	3 863	1	2
		1997..	34 882	443 720	30 541	—	4 341	X	X
339116	Dental laboratories	1999..	20 720	S	S	—	S	3	10
		1998..	24 020	S	S	—	S	4	23
		1997..	19 852	S	S	—	S	X	X
3399	Other miscellaneous mfg	1999..	521 424	6 389 182	386 633	D	134 791	1	3
		1998..	519 772	6 253 382	384 908	D	134 864	1	2
		1997..	519 776	6 186 804	379 325	D	140 451	X	X
33991	Jewelry & silverware mfg	1999..	41 164	385 469	28 774	S	12 390	3	23
		1998..	41 878	379 068	28 678	—	13 200	4	3
		1997..	43 453	389 158	29 307	—	14 146	X	X
339911	Jewelry (except costume) mfg	1999..	19 961	192 169	15 112	S	4 848	5	58
		1998..	21 016	181 392	14 583	—	6 433	6	4
		1997..	21 336	185 017	14 683	—	6 653	X	X
339912	Silverware & plated ware mfg	1999..	6 723	84 402	4 336	—	2 387	2	3
		1998..	6 627	85 481	4 365	—	2 262	1	2
		1997..	6 660	90 394	4 681	—	1 979	X	X
339913	Jewelers' material & lapidary work mfg	1999..	3 878	34 841	3 013	—	865	3	8
		1998..	4 719	40 423	3 587	—	1 132	12	6
		1997..	4 823	35 129	3 276	—	1 547	X	X
339914	Costume jewelry & novelty mfg	1999..	10 601	74 056	6 312	—	4 290	6	5
		1998..	9 516	71 773	6 143	—	3 373	8	11
		1997..	10 634	78 618	6 667	—	3 967	X	X
33992	Sporting & athletic goods mfg	1999..	75 670	880 769	54 937	—	20 733	2	7
		1998..	85 547	1 014 945	61 423	—	24 125	2	4
		1997..	91 366	1 024 521	62 358	—	29 008	X	X
339920	Sporting & athletic goods mfg	1999..	75 670	880 769	54 937	—	20 733	2	7
		1998..	85 547	1 014 945	61 423	—	24 125	2	4
		1997..	91 366	1 024 521	62 358	—	29 008	X	X
33993	Doll, toy, & game mfg	1999..	45 118	550 529	33 656	—	11 462	4	6
		1998..	45 665	543 206	35 953	—	9 712	3	2
		1997..	51 361	591 716	38 013	—	13 348	X	X
339931	Doll & stuffed toy mfg	1999..	2 472	24 903	1 653	—	819	8	20
		1998..	2 461	20 692	1 506	—	955	4	7
		1997..	1 968	16 699	1 245	—	723	X	X
339932	Game, toy, & children's vehicle mfg	1999..	42 646	525 627	32 003	—	10 643	4	6
		1998..	43 203	522 514	34 447	—	8 757	3	2
		1997..	49 393	575 017	36 768	—	12 625	X	X
33994	Office supplies (except paper) mfg	1999..	40 884	486 232	30 128	—	10 756	2	2
		1998..	40 622	504 128	31 673	—	8 948	2	6
		1997..	38 829	494 144	30 170	—	8 659	X	X
339941	Pen & mechanical pencil mfg	1999..	11 772	170 204	10 347	—	1 425	1	8
		1998..	13 468	198 171	12 116	—	1 352	6	14
		1997..	11 452	174 434	10 239	—	1 213	X	X
339942	Lead pencil & art good mfg	1999..	12 915	137 245	9 443	—	3 472	4	4
		1998..	13 080	143 680	9 403	—	3 678	1	1
		1997..	12 036	148 593	9 378	—	2 658	X	X
339943	Marking device mfg	1999..	9 171	87 313	5 467	—	3 705	8	3
		1998..	5 906	72 995	4 901	—	1 005	2	49
		1997..	6 339	72 474	4 885	—	1 454	X	X
339944	Carbon paper & inked ribbon mfg	1999..	7 025	91 470	4 872	—	2 154	5	8
		1998..	8 167	89 282	5 253	—	2 914	1	2
		1997..	9 002	98 643	5 668	—	3 334	X	X
33995	Sign mfg	1999..	91 681	1 238 660	64 442	—	27 239	3	4
		1998..	80 666	1 118 563	57 831	—	22 836	6	5
		1997..	81 336	1 114 197	58 534	—	22 802	X	X
339950	Sign mfg	1999..	91 681	1 238 660	64 442	—	27 239	3	4
		1998..	80 666	1 118 563	57 831	—	22 836	6	5
		1997..	81 336	1 114 197	58 534	—	22 802	X	X

See footnotes at end of table.

Table 4. Purchased Fuels and Electric Energy Used for Heat and Power by Industry Group and Industry: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Cost of purchased fuels and electric energy (\$1,000)	Electric energy			Cost of purchased fuels (\$1,000)	Relative standard error of estimate ¹ (percent) for column—	
			Purchased		Generated less sold (1,000 kWh)		C	E
			Quantity (1,000 kWh)	Cost (\$1,000)				
			A	B	C		D	E
339	Miscellaneous mfg—Con.							
3399	Other miscellaneous mfg—Con.							
33999	All other miscellaneous mfg							
		1999..	226 907	2 847 523	174 695	D	52 212	2 3
		1998..	225 394	2 693 472	169 350	D	56 044	1 3
		1997..	213 431	2 573 068	160 943	D	52 488	X X
339991	Gasket, packing, & sealing device mfg	1999..	82 566	1 032 075	63 784	D	18 783	3 5
		1998..	81 834	981 854	62 875	D	18 959	2 6
		1997..	75 590	940 133	59 444	D	16 146	X X
339992	Musical instrument mfg	1999..	14 552	146 702	10 712	—	3 840	4 5
		1998..	14 382	139 561	10 467	—	3 914	5 24
		1997..	12 909	128 558	9 284	—	3 625	X X
339993	Fastener, button, needle, & pin mfg	1999..	18 108	297 164	15 112	—	2 996	6 11
		1998..	17 048	263 041	13 696	—	3 351	1 2
		1997..	17 932	270 483	14 211	—	3 721	X X
339994	Broom, brush, & mop mfg	1999..	20 912	297 020	17 519	—	3 393	3 5
		1998..	21 516	311 926	17 908	—	3 609	4 4
		1997..	20 944	279 804	16 861	—	4 083	X X
339995	Burial casket mfg	1999..	11 511	147 630	8 288	—	3 223	7 10
		1998..	12 693	154 848	8 179	—	4 514	1 1
		1997..	11 964	153 708	7 913	—	4 051	X X
339999	All other miscellaneous mfg	1999..	79 257	926 932	59 281	—	19 976	4 6
		1998..	77 921	842 241	56 224	—	21 696	1 1
		1997..	74 092	800 382	53 230	—	20 862	X X

¹Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: Previous years' data may differ from that published in the 1998 Annual Survey of Manufactures because of changes encountered in subsequent review or revisions discovered during 1999 Annual Survey of Manufactures review.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	
			A	B	C	A
31-33	Manufacturing	1999..	150 196 310	22 944 243	127 252 067	1
		1998..	152 708 100	22 547 564	130 160 536	1
		1997..	151 510 757	23 424 681	128 086 076	X
311	Food mfg	1999..	13 207 585	2 585 804	10 621 781	3
		1998..	11 512 338	2 107 739	9 404 599	1
		1997..	10 799 165	2 141 268	8 657 897	X
3111	Animal food mfg	1999..	637 528	132 932	504 596	9
		1998..	600 681	105 366	495 315	8
		1997..	548 373	120 346	428 027	X
31111	Animal food mfg	1999..	637 528	132 932	504 596	9
		1998..	600 681	105 366	495 315	8
		1997..	548 373	120 346	428 027	X
311111	Dog & cat food mfg	1999..	246 533	31 288	215 245	5
		1998..	211 127	25 055	186 072	5
		1997..	261 079	45 934	215 145	X
311119	Other animal food mfg	1999..	390 995	101 644	289 350	14
		1998..	389 554	80 311	309 243	13
		1997..	287 294	74 412	212 882	X
3112	Grain & oilseed milling	1999..	1 968 665	271 840	1 696 825	13
		1998..	1 806 891	327 464	1 479 427	2
		1997..	1 565 272	262 008	1 303 264	X
31121	Flour milling & malt mfg	1999..	236 386	63 638	172 748	6
		1998..	258 500	59 510	198 989	5
		1997..	283 188	76 843	206 345	X
311211	Flour milling	1999..	168 091	47 223	120 868	7
		1998..	185 013	40 553	144 460	4
		1997..	196 633	58 838	137 795	X
311212	Rice milling	1999..	43 326	11 882	31 444	22
		1998..	21 599	2 086	19 513	18
		1997..	45 454	6 606	38 848	X
311213	Malt mfg	1999..	24 969	4 533	20 436	1
		1998..	51 888	16 871	35 017	21
		1997..	41 101	11 399	29 702	X
31122	Starch & vegetable fats & oils mfg	1999..	1 424 903	181 679	1 243 224	19
		1998..	1 185 866	219 523	966 342	3
		1997..	981 833	157 109	824 724	X
311221	Wet corn milling	1999..	798 320	69 465	728 856	33
		1998..	423 752	66 351	357 401	1
		1997..	540 906	71 613	469 293	X
311222	Soybean processing	1999..	387 729	60 359	327 371	1
		1998..	299 419	39 951	259 468	3
		1997..	188 422	45 212	143 210	X
311223	Other oilseed processing	1999..	72 281	22 294	49 987	23
		1998..	93 910	26 688	67 223	11
		1997..	83 999	12 731	71 268	X
311225	Fats & oils refining & blending	1999..	166 572	29 562	137 011	9
		1998..	368 784	86 534	282 251	7
		1997..	168 506	27 553	140 953	X
31123	Breakfast cereal mfg	1999..	307 377	26 523	280 854	2
		1998..	362 526	48 431	314 095	2
		1997..	300 251	28 056	272 195	X
311230	Breakfast cereal mfg	1999..	307 377	26 523	280 854	2
		1998..	362 526	48 431	314 095	2
		1997..	300 251	28 056	272 195	X
3113	Sugar & confectionery product mfg	1999..	978 643	187 358	791 284	5
		1998..	924 655	103 612	821 044	7
		1997..	831 995	146 690	685 305	X
31131	Sugar mfg	1999..	289 668	40 379	249 288	11
		1998..	336 906	21 908	314 998	20
		1997..	279 835	41 539	238 296	X
311311	Sugarcane mills	1999..	53 746	2 028	51 718	5
		1998..	61 110	6 037	55 073	27
		1997..	67 796	10 587	57 209	X
311312	Cane sugar refining	1999..	37 306	2 069	35 237	1
		1998..	31 329	1 315	30 014	1
		1997..	44 528	4 398	40 130	X
311313	Beet sugar mfg	1999..	198 616	36 282	162 334	15
		1998..	244 467	14 556	229 911	26
		1997..	167 511	26 554	140 957	X
31132	Chocolate & confectionery mfg from cacao beans	1999..	147 772	33 179	114 593	1
		1998..	110 510	14 439	96 071	5
		1997..	69 718	10 663	59 055	X
311320	Chocolate & confectionery mfg from cacao beans	1999..	147 772	33 179	114 593	1
		1998..	110 510	14 439	96 071	5
		1997..	69 718	10 663	59 055	X
31133	Confectionery mfg from purchased chocolate	1999..	338 496	74 209	264 286	11
		1998..	277 744	37 241	240 503	3
		1997..	272 269	56 574	215 695	X
311330	Confectionery mfg from purchased chocolate	1999..	338 496	74 209	264 286	11
		1998..	277 744	37 241	240 503	3
		1997..	272 269	56 574	215 695	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
311	Food mfg—Con.				
3113	Sugar & confectionery product mfg—Con.				
31134	Nonchocolate confectionery mfg.....	1999.. 202 707	39 591	163 117	10
		1998.. 199 496	30 023	169 473	6
		1997.. 210 173	37 914	172 259	X
311340	Nonchocolate confectionery mfg.....	1999.. 202 707	39 591	163 117	10
		1998.. 199 496	30 023	169 473	6
		1997.. 210 173	37 914	172 259	X
3114	Fruit & vegetable preserving & specialty food mfg...	1999.. 2 065 755	473 877	1 591 878	5
		1998.. 1 640 853	243 601	1 397 253	3
		1997.. 1 648 372	304 434	1 343 938	X
31141	Frozen food mfg.....	1999.. 942 592	247 016	695 576	7
		1998.. 785 356	148 861	636 495	2
		1997.. 751 288	139 118	612 170	X
311411	Frozen fruit, juice, & vegetable mfg.....	1999.. 574 386	188 890	385 496	12
		1998.. 462 788	104 637	358 151	4
		1997.. 397 733	59 117	338 616	X
311412	Frozen specialty food mfg.....	1999.. 368 206	58 126	310 080	4
		1998.. 322 567	44 224	278 344	2
		1997.. 353 555	80 001	273 554	X
31142	Fruit & vegetable canning, pickling, & drying.....	1999.. 1 123 163	226 861	896 302	8
		1998.. 855 498	94 740	760 758	6
		1997.. 897 084	165 316	731 768	X
311421	Fruit & vegetable canning.....	1999.. 716 766	152 362	564 404	11
		1998.. 475 024	50 964	424 060	4
		1997.. 529 704	86 238	443 466	X
311422	Specialty canning.....	1999.. 247 263	48 755	198 507	15
		1998.. 228 795	20 441	208 355	14
		1997.. 219 783	48 566	171 217	X
311423	Dried & dehydrated food mfg.....	1999.. 159 134	25 744	133 390	8
		1998.. 151 679	23 336	128 343	22
		1997.. 147 597	30 512	117 085	X
3115	Dairy product mfg.....	1999.. 1 478 317	277 237	1 201 080	3
		1998.. 1 492 193	289 915	1 202 279	3
		1997.. 1 337 286	298 378	1 038 908	X
31151	Dairy product (except frozen) mfg.....	1999.. 1 340 084	256 892	1 083 192	3
		1998.. 1 306 994	270 001	1 036 992	3
		1997.. 1 179 399	263 529	915 870	X
311511	Fluid milk mfg.....	1999.. 545 974	104 939	441 035	5
		1998.. 474 903	109 932	364 971	7
		1997.. 423 487	99 007	324 480	X
311512	Creamery butter mfg.....	1999.. 11 085	1 212	9 873	6
		1998.. 10 057	1 282	8 776	41
		1997.. 8 522	637	7 885	X
311513	Cheese mfg.....	1999.. 508 957	85 106	423 851	6
		1998.. 437 114	71 112	366 002	3
		1997.. 478 340	89 155	389 185	X
311514	Dry, condensed, & evaporated dairy product mfg.....	1999.. 274 068	65 635	208 433	4
		1998.. 384 919	87 676	297 243	7
		1997.. 269 050	74 730	194 320	X
31152	Ice cream & frozen dessert mfg.....	1999.. 138 233	20 345	117 888	4
		1998.. 185 200	19 913	165 287	15
		1997.. 157 887	34 849	123 038	X
311520	Ice cream & frozen dessert mfg.....	1999.. 138 233	20 345	117 888	4
		1998.. 185 200	19 913	165 287	15
		1997.. 157 887	34 849	123 038	X
3116	Meat product mfg.....	1999.. 2 108 345	474 999	1 633 346	3
		1998.. 1 653 656	348 163	1 305 493	2
		1997.. 1 799 220	416 476	1 382 744	X
31161	Animal slaughtering & processing.....	1999.. 2 108 345	474 999	1 633 346	3
		1998.. 1 653 656	348 163	1 305 493	2
		1997.. 1 799 220	416 476	1 382 744	X
311611	Animal (except poultry) slaughtering.....	1999.. 485 880	154 449	331 431	6
		1998.. 431 533	96 506	335 027	2
		1997.. 533 909	122 079	411 830	X
311612	Meat processed from carcasses.....	1999.. 659 793	171 150	488 642	6
		1998.. 478 442	103 468	374 974	4
		1997.. 526 880	145 126	381 754	X
311613	Rendering & meat byproduct processing.....	1999.. 127 905	12 165	115 740	11
		1998.. 103 655	24 662	78 993	12
		1997.. 114 353	13 328	101 025	X
311615	Poultry processing.....	1999.. 834 768	137 234	697 534	2
		1998.. 640 027	123 528	516 500	1
		1997.. 624 078	135 943	488 135	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
311	Food mfg—Con.				
3117	Seafood product preparation & packaging	1999.. 189 864	56 727	133 137	16
		1998.. 133 126	17 473	115 653	12
		1997.. 175 210	29 408	145 802	X
31171	Seafood product preparation & packaging	1999.. 189 864	56 727	133 137	16
		1998.. 133 126	17 473	115 653	12
		1997.. 175 210	29 408	145 802	X
311711	Seafood canning	1999.. 16 378	2 378	14 000	16
		1998.. 12 022	701	11 321	9
		1997.. 21 599	4 380	17 219	X
311712	Fresh & frozen seafood processing	1999.. 173 486	54 349	119 137	17
		1998.. 121 104	16 772	104 332	14
		1997.. 153 611	25 028	128 583	X
3118	Bakeries & tortilla mfg	1999.. 2 143 223	399 799	1 743 424	7
		1998.. 1 597 599	309 072	1 288 527	5
		1997.. 1 440 509	288 865	1 151 644	X
31181	Bread & bakery product mfg	1999.. 1 400 015	306 959	1 093 056	10
		1998.. 1 013 666	210 274	803 392	6
		1997.. 889 114	203 664	685 450	X
311811	Retail bakeries	1999.. 149 511	20 721	128 790	32
		1998.. 79 535	16 692	62 843	6
		1997.. 75 760	15 353	60 407	X
311812	Commercial bakeries	1999.. 1 104 295	252 342	851 953	12
		1998.. 830 797	178 655	652 143	7
		1997.. 724 834	166 209	558 625	X
311813	Frozen cakes, pies, & other pastries mfg	1999.. 146 210	33 896	112 313	4
		1998.. 103 334	14 927	88 406	9
		1997.. 88 520	22 102	66 418	X
31182	Cookie, cracker, & pasta mfg	1999.. 698 177	86 552	611 625	3
		1998.. 549 384	92 325	457 059	8
		1997.. 502 084	76 929	425 155	X
311821	Cookie & cracker mfg	1999.. 426 707	30 039	396 668	4
		1998.. 340 810	36 760	304 050	12
		1997.. 300 040	28 487	271 553	X
311822	Flour mixes & dough mfg from purchased flour	1999.. 159 637	39 174	120 463	5
		1998.. 176 877	53 578	123 299	2
		1997.. 158 993	43 862	115 131	X
311823	Dry pasta mfg	1999.. 111 833	17 339	94 494	2
		1998.. 31 697	1 987	29 710	1
		1997.. 43 051	4 580	38 471	X
31183	Tortilla mfg	1999.. 45 031	6 288	38 743	9
		1998.. 34 549	6 473	28 075	17
		1997.. 49 311	8 272	41 039	X
311830	Tortilla mfg	1999.. 45 031	6 288	38 743	9
		1998.. 34 549	6 473	28 075	17
		1997.. 49 311	8 272	41 039	X
3119	Other food mfg	1999.. 1 637 244	311 033	1 326 210	2
		1998.. 1 662 682	363 073	1 299 609	6
		1997.. 1 452 928	274 663	1 178 265	X
31191	Snack food mfg	1999.. 663 016	110 577	552 439	3
		1998.. 777 030	189 957	587 074	7
		1997.. 488 371	75 565	412 806	X
311911	Roasted nuts & peanut butter mfg	1999.. 64 508	10 434	54 074	5
		1998.. 103 893	15 291	88 602	12
		1997.. 81 964	9 994	71 970	X
311919	Other snack food mfg	1999.. 598 508	100 143	498 366	4
		1998.. 673 137	174 666	498 472	8
		1997.. 406 407	65 571	340 836	X
31192	Coffee & tea mfg	1999.. 179 047	15 139	163 907	5
		1998.. 143 583	10 880	132 703	4
		1997.. 166 837	11 979	154 858	X
311920	Coffee & tea mfg	1999.. 179 047	15 139	163 907	5
		1998.. 143 583	10 880	132 703	4
		1997.. 166 837	11 979	154 858	X
31193	Flavoring syrup & concentrate mfg	1999.. 95 284	22 299	72 985	10
		1998.. 79 272	11 821	67 451	1
		1997.. 144 097	48 101	95 996	X
311930	Flavoring syrup & concentrate mfg	1999.. 95 284	22 299	72 985	10
		1998.. 79 272	11 821	67 451	1
		1997.. 144 097	48 101	95 996	X
31194	Seasoning & dressing mfg	1999.. 282 506	80 913	201 593	5
		1998.. 203 552	40 109	163 443	17
		1997.. 255 077	59 958	195 119	X
311941	Mayonnaise, dressing, & other prepared sauce mfg	1999.. 140 496	25 471	115 024	7
		1998.. 84 963	20 735	64 227	8
		1997.. 139 688	21 136	118 552	X
311942	Spice & extract mfg	1999.. 142 011	55 442	86 569	7
		1998.. 118 589	19 374	99 215	28
		1997.. 115 389	38 822	76 567	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
311	Food mfg—Con.				
3119	Other food mfg—Con.				
31199	All other food mfg	1999.. 417 391	82 105	335 286	6
		1998.. 459 245	110 306	348 939	15
		1997.. 398 546	79 060	319 486	X
311991	Perishable prepared food mfg	1999.. 129 466	26 674	102 792	11
		1998.. 171 584	33 992	137 592	38
		1997.. 124 442	21 186	103 256	X
311999	All other miscellaneous food mfg	1999.. 287 925	55 431	232 494	6
		1998.. 287 661	76 314	211 347	5
		1997.. 274 104	57 874	216 230	X
312	Beverage & tobacco product mfg	1999.. 2 592 171	436 293	2 155 877	4
		1998.. 2 566 367	475 239	2 091 127	6
		1997.. 3 100 543	429 692	2 670 851	X
3121	Beverage mfg	1999.. 2 282 309	372 210	1 910 098	4
		1998.. 2 221 883	402 346	1 819 536	7
		1997.. 2 381 973	359 550	2 022 423	X
31211	Soft drink & ice mfg	1999.. 1 031 718	145 370	886 348	8
		1998.. 957 625	122 032	835 593	5
		1997.. 913 319	127 550	785 769	X
312111	Soft drink mfg	1999.. 804 283	102 128	702 156	4
		1998.. 877 411	108 511	768 901	5
		1997.. 832 284	110 674	721 610	X
312112	Bottled water mfg	1999.. 195 929	41 244	154 685	41
		1998.. 56 330	12 353	43 977	21
		1997.. 47 508	12 653	34 855	X
312113	Ice mfg	1999.. 31 506	1 998	29 507	16
		1998.. 23 883	1 168	22 715	33
		1997.. 33 527	4 223	29 304	X
31212	Breweries	1999.. 739 357	83 278	656 080	1
		1998.. 783 247	167 570	615 677	17
		1997.. 1 021 428	147 320	874 108	X
312120	Breweries	1999.. 739 357	83 278	656 080	1
		1998.. 783 247	167 570	615 677	17
		1997.. 1 021 428	147 320	874 108	X
31213	Wineries	1999.. 429 435	123 774	305 661	6
		1998.. 424 075	97 799	326 276	11
		1997.. 371 286	67 722	303 564	X
312130	Wineries	1999.. 429 435	123 774	305 661	6
		1998.. 424 075	97 799	326 276	11
		1997.. 371 286	67 722	303 564	X
31214	Distilleries	1999.. 81 798	19 788	62 009	35
		1998.. 56 936	14 946	41 990	7
		1997.. 75 940	16 958	58 982	X
312140	Distilleries	1999.. 81 798	19 788	62 009	35
		1998.. 56 936	14 946	41 990	7
		1997.. 75 940	16 958	58 982	X
3122	Tobacco mfg	1999.. 309 862	64 083	245 779	1
		1998.. 344 484	72 893	271 591	1
		1997.. 718 570	70 142	648 428	X
31221	Tobacco stemming & redrying	1999.. 26 087	4 061	22 026	1
		1998.. 28 046	2 278	25 768	1
		1997.. 26 637	6 061	20 576	X
312210	Tobacco stemming & redrying	1999.. 26 087	4 061	22 026	1
		1998.. 28 046	2 278	25 768	1
		1997.. 26 637	6 061	20 576	X
31222	Tobacco product mfg	1999.. 283 775	60 022	223 753	1
		1998.. 316 438	70 615	245 823	1
		1997.. 691 933	64 081	627 852	X
312221	Cigarette mfg	1999.. 221 851	26 010	195 841	1
		1998.. 276 184	56 114	220 070	1
		1997.. 622 688	39 248	583 440	X
312229	Other tobacco product mfg	1999.. 61 924	34 012	27 912	3
		1998.. 40 254	14 501	25 753	3
		1997.. 69 245	24 833	44 412	X
313	Textile mills	1999.. 2 231 330	319 717	1 911 613	3
		1998.. 2 370 593	279 523	2 091 070	3
		1997.. 2 691 704	384 572	2 307 132	X
3131	Fiber, yarn, & thread mills	1999.. 486 564	59 196	427 368	7
		1998.. 510 742	96 222	414 520	4
		1997.. 537 037	73 155	463 882	X
31311	Fiber, yarn, & thread mills	1999.. 486 564	59 196	427 368	7
		1998.. 510 742	96 222	414 520	4
		1997.. 537 037	73 155	463 882	X
313111	Yarn spinning mills	1999.. 356 313	48 935	307 379	9
		1998.. 340 701	63 732	276 969	3
		1997.. 432 027	56 376	375 651	X
313112	Yarn texturing, throwing, & twisting mills	1999.. 118 351	7 657	110 694	9
		1998.. 154 090	31 923	122 167	13
		1997.. 86 329	14 790	71 539	X
313113	Thread mills	1999.. 11 900	2 604	9 295	6
		1998.. 15 951	567	15 384	3
		1997.. 18 681	1 989	16 692	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	
			A	B	C	A
313	Textile mills—Con.					
3132	Fabric mills	1999..	1 292 267	212 633	1 079 634	4
		1998..	1 339 150	117 493	1 221 657	2
		1997..	1 491 377	170 953	1 320 424	X
31321	Broadwoven fabric mills	1999..	757 132	144 185	612 947	4
		1998..	835 809	78 029	757 780	3
		1997..	894 514	105 056	789 458	X
313210	Broadwoven fabric mills	1999..	757 132	144 185	612 947	4
		1998..	835 809	78 029	757 780	3
		1997..	894 514	105 056	789 458	X
31322	Narrow fabric mills & schiffli machine embroidery	1999..	65 703	15 381	50 322	10
		1998..	76 273	12 754	63 518	11
		1997..	77 104	13 389	63 715	X
313221	Narrow fabric mills	1999..	60 439	14 476	45 963	11
		1998..	72 309	12 552	59 757	11
		1997..	71 807	12 618	59 189	X
313222	Schiffli machine embroidery	1999..	5 264	905	4 359	28
		1998..	3 963	202	3 761	38
		1997..	5 297	771	4 526	X
31323	Nonwoven fabric mills	1999..	284 827	23 584	261 243	8
		1998..	246 106	12 139	233 966	7
		1997..	301 194	24 081	277 113	X
313230	Nonwoven fabric mills	1999..	284 827	23 584	261 243	8
		1998..	246 106	12 139	233 966	7
		1997..	301 194	24 081	277 113	X
31324	Knit fabric mills	1999..	184 605	29 483	155 122	19
		1998..	180 963	14 570	166 393	3
		1997..	218 565	28 427	190 138	X
313241	Weft knit fabric mills	1999..	65 685	6 728	58 957	8
		1998..	82 510	8 578	73 931	7
		1997..	105 808	11 314	94 494	X
313249	Other knit fabric & lace mills	1999..	118 920	22 755	96 166	29
		1998..	98 454	5 992	92 461	4
		1997..	112 757	17 113	95 644	X
3133	Textile & fabric finishing & fabric coating mills	1999..	452 499	47 888	404 611	5
		1998..	520 701	65 808	454 893	5
		1997..	663 290	140 464	522 826	X
31331	Textile & fabric finishing mills	1999..	367 215	32 686	334 529	7
		1998..	473 834	63 748	410 086	5
		1997..	589 359	128 302	461 057	X
313311	Broadwoven fabric finishing mills	1999..	203 401	12 075	191 326	9
		1998..	287 037	37 783	249 255	7
		1997..	311 220	45 873	265 347	X
313312	Textile & fabric finishing mills	1999..	163 814	20 612	143 203	9
		1998..	186 797	25 965	160 832	5
		1997..	278 139	82 429	195 710	X
31332	Fabric coating mills	1999..	85 284	15 202	70 082	7
		1998..	46 867	2 060	44 806	31
		1997..	73 931	12 162	61 769	X
313320	Fabric coating mills	1999..	85 284	15 202	70 082	7
		1998..	46 867	2 060	44 806	31
		1997..	73 931	12 162	61 769	X
314	Textile product mills	1999..	720 665	65 965	654 700	6
		1998..	710 405	105 800	604 605	7
		1997..	718 728	126 292	592 436	X
3141	Textile furnishings mills	1999..	351 392	35 065	316 327	7
		1998..	386 702	61 431	325 271	5
		1997..	356 404	69 051	287 353	X
31411	Carpet & rug mills	1999..	183 636	12 790	170 846	14
		1998..	228 121	33 958	194 163	4
		1997..	208 413	37 809	170 604	X
314110	Carpet & rug mills	1999..	183 636	12 790	170 846	14
		1998..	228 121	33 958	194 163	4
		1997..	208 413	37 809	170 604	X
31412	Curtain & linen mills	1999..	167 756	22 275	145 481	4
		1998..	158 580	27 473	131 108	11
		1997..	147 991	31 242	116 749	X
314121	Curtain & drapery mills	1999..	39 038	9 934	29 104	5
		1998..	27 050	4 049	23 001	8
		1997..	32 690	7 587	25 103	X
314129	Other household textile product mills	1999..	128 718	12 341	116 376	5
		1998..	131 530	23 423	108 106	14
		1997..	115 301	23 655	91 646	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	
			A	B	C	A
314	Textile product mills—Con.					
3149	Other textile product mills.....	1999..	369 273	30 900	338 374	9
		1998..	323 704	44 369	279 334	15
		1997..	362 324	57 241	305 083	X
31491	Textile bag & canvas mills	1999..	73 248	12 909	60 339	11
		1998..	46 779	4 023	42 755	13
		1997..	63 526	6 519	57 007	X
314911	Textile bag mills	1999..	17 565	1 334	16 231	10
		1998..	16 753	1 514	15 239	21
		1997..	19 034	3 299	15 735	X
314912	Canvas & related product mills	1999..	55 683	11 575	44 108	14
		1998..	30 025	2 510	27 516	16
		1997..	44 492	3 220	41 272	X
31499	All other textile product mills	1999..	296 026	17 991	278 034	10
		1998..	276 925	40 346	236 579	17
		1997..	298 798	50 722	248 076	X
314991	Rope, cordage, & twine mills	1999..	20 859	1 425	19 434	10
		1998..	16 156	1 679	14 477	18
		1997..	25 018	6 773	18 245	X
314992	Tire cord & tire fabric mills	1999..	71 040	3 222	67 818	1
		1998..	40 189	4 627	35 562	9
		1997..	67 251	11 194	56 057	X
314999	All other miscellaneous textile product mills	1999..	204 126	13 344	190 782	15
		1998..	220 579	34 039	186 540	22
		1997..	206 529	32 755	173 774	X
315	Apparel mfg	1999..	986 357	164 275	822 083	3
		1998..	935 402	172 187	763 215	3
		1997..	941 178	224 954	716 224	X
3151	Apparel knitting mills	1999..	213 144	12 360	200 784	8
		1998..	181 518	21 870	159 647	10
		1997..	238 122	34 421	203 701	X
31511	Hosiery & sock mills	1999..	149 928	6 871	143 057	10
		1998..	87 924	5 475	82 449	5
		1997..	129 522	20 130	109 392	X
315111	Sheer hosiery mills	1999..	54 288	2 566	51 721	11
		1998..	20 621	1 572	19 048	9
		1997..	37 397	4 064	33 333	X
315119	Other hosiery & sock mills	1999..	95 640	4 304	91 336	14
		1998..	67 304	3 903	63 401	5
		1997..	92 125	16 066	76 059	X
31519	Other apparel knitting mills	1999..	63 216	5 490	57 727	13
		1998..	93 594	16 395	77 198	19
		1997..	108 600	14 291	94 309	X
315191	Outerwear knitting mills	1999..	48 551	3 806	44 745	17
		1998..	76 666	15 043	61 622	23
		1997..	90 355	11 280	79 075	X
315192	Underwear & nightwear knitting mills	1999..	14 666	1 684	12 982	3
		1998..	16 928	1 352	15 576	4
		1997..	18 245	3 011	15 234	X
3152	Cut & sew apparel mfg	1999..	712 932	142 661	570 271	3
		1998..	674 244	141 758	532 486	2
		1997..	629 588	177 746	451 842	X
31521	Cut & sew apparel contractors	1999..	100 426	16 485	83 941	7
		1998..	118 281	18 002	100 279	9
		1997..	142 103	32 760	109 343	X
315211	Men's & boys' cut & sew apparel contractors	1999..	28 383	4 255	24 128	6
		1998..	51 748	7 432	44 316	17
		1997..	30 187	5 966	24 221	X
315212	Women's, girls', & infants' cut & sew apparel contractors	1999..	72 043	12 230	59 813	10
		1998..	66 533	10 570	55 963	10
		1997..	111 916	26 794	85 122	X
31522	Men's & boys' cut & sew apparel mfg	1999..	196 367	39 315	157 052	4
		1998..	193 136	32 756	160 380	3
		1997..	209 392	50 642	158 750	X
315221	Men's & boys' cut & sew underwear & nightwear mfg.....	1999..	11 152	2 734	8 418	7
		1998..	7 677	3 043	4 633	25
		1997..	7 804	1 360	6 444	X
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1999..	15 487	1 145	14 342	23
		1998..	16 505	3 042	13 463	19
		1997..	16 227	3 591	12 636	X
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg	1999..	78 649	14 702	63 946	5
		1998..	72 501	15 338	57 164	4
		1997..	62 023	10 369	51 654	X
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	1999..	48 711	10 897	37 814	6
		1998..	64 463	6 959	57 504	2
		1997..	52 313	10 184	42 129	X
315225	Men's & boys' cut & sew work clothing mfg	1999..	18 849	1 151	17 698	11
		1998..	18 981	936	18 044	7
		1997..	29 670	11 945	17 725	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
315	Apparel mfg—Con.				
3152	Cut & sew apparel mfg—Con.				
31522	Men's & boys' cut & sew apparel mfg—Con.				
315228	Men's & boys' cut & sew other outerwear mfg ..	1999.. 23 519	8 685	14 834	13
		1998.. 13 010	3 438	9 572	8
		1997.. 41 355	13 193	28 162	X
31523	Women's & girls' cut & sew apparel mfg	1999.. 382 045	81 409	300 636	4
		1998.. 319 523	88 046	231 477	2
		1997.. 250 071	87 512	162 559	X
315231	Women's & girls' cut/sew lingerie & nightwear mfg	1999.. 24 036	7 703	16 332	16
		1998.. 19 714	3 577	16 137	11
		1997.. 21 456	5 419	16 037	X
315232	Women's & girls' cut & sew blouse & shirt mfg	1999.. 91 079	8 729	82 350	14
		1998.. 136 573	22 228	114 344	3
		1997.. 31 317	7 068	24 249	X
315233	Women's & girls' cut & sew dress mfg	1999.. 82 365	34 332	48 033	8
		1998.. 91 046	39 339	51 707	6
		1997.. 41 826	12 695	29 131	X
315234	Women's & girls' cut & sew suit, coat, skirt mfg	1999.. 13 303	2 759	10 544	12
		1998.. 29 519	15 865	13 653	7
		1997.. 22 238	6 889	15 349	X
315239	Women's & girls' cut & sew other outerwear mfg	1999.. 171 263	27 886	143 377	3
		1998.. 42 673	7 037	35 636	6
		1997.. 133 234	55 441	77 793	X
31529	Other cut & sew apparel mfg	1999.. 34 093	5 452	28 641	7
		1998.. 43 304	2 954	40 350	10
		1997.. 28 022	6 832	21 190	X
315291	Infants' cut & sew apparel mfg	1999.. 13 005	1 632	11 373	6
		1998.. 25 384	2 354	23 030	2
		1997.. 7 612	1 717	5 895	X
315292	Fur & leather apparel mfg	1999.. 1 733	181	1 552	22
		1998.. 1 364	221	1 143	40
		1997.. 3 412	309	3 103	X
315299	All other cut & sew apparel mfg	1999.. 19 355	3 639	15 716	12
		1998.. 16 556	380	16 176	24
		1997.. 16 998	4 806	12 192	X
3159	Apparel accessories & other apparel mfg	1999.. 60 281	9 253	51 027	6
		1998.. 79 640	8 558	71 082	15
		1997.. 73 468	12 787	60 681	X
31599	Apparel accessories & other apparel mfg	1999.. 60 281	9 253	51 027	6
		1998.. 79 640	8 558	71 082	15
		1997.. 73 468	12 787	60 681	X
315991	Hat, cap, & millinery mfg	1999.. 19 501	2 391	17 110	11
		1998.. 15 712	1 800	13 912	12
		1997.. 18 687	4 878	13 809	X
315992	Glove & mitten mfg	1999.. 6 399	156	6 243	2
		1998.. 7 978	236	7 742	9
		1997.. 7 684	1 163	6 521	X
315993	Men's & boys' neckwear mfg	1999.. 2 795	33	2 761	25
		1998.. 2 140	20	2 120	37
		1997.. 3 623	403	3 220	X
315999	Other apparel accessories & other apparel mfg	1999.. 31 586	6 672	24 913	8
		1998.. 53 810	6 502	47 308	22
		1997.. 43 474	6 343	37 131	X
316	Leather & allied product mfg	1999.. 155 044	17 085	137 959	10
		1998.. 136 132	19 712	116 420	7
		1997.. 167 254	24 896	142 358	X
3161	Leather & hide tanning & finishing	1999.. 44 121	2 613	41 508	12
		1998.. 49 748	6 786	42 962	17
		1997.. 63 089	8 269	54 820	X
31611	Leather & hide tanning & finishing	1999.. 44 121	2 613	41 508	12
		1998.. 49 748	6 786	42 962	17
		1997.. 63 089	8 269	54 820	X
316110	Leather & hide tanning & finishing	1999.. 44 121	2 613	41 508	12
		1998.. 49 748	6 786	42 962	17
		1997.. 63 089	8 269	54 820	X
3162	Footwear mfg	1999.. 54 527	10 272	44 255	11
		1998.. 46 356	8 629	37 727	8
		1997.. 53 912	9 142	44 770	X
31621	Footwear mfg	1999.. 54 527	10 272	44 255	11
		1998.. 46 356	8 629	37 727	8
		1997.. 53 912	9 142	44 770	X
316211	Rubber & plastics footwear mfg	1999.. 15 928	2 104	13 824	19
		1998.. 8 501	1 549	6 952	5
		1997.. 19 850	3 736	16 114	X
316212	House slipper mfg	1999.. 2 545	295	2 250	1
		1998.. 1 595	139	1 456	40
		1997.. 2 247	352	1 895	X
316213	Men's footwear (except athletic) mfg	1999.. 27 441	6 993	20 448	18
		1998.. 25 067	5 283	19 785	11
		1997.. 22 764	3 810	18 954	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
316	Leather & allied product mfg—Con.				
3162	Footwear mfg—Con.				
31621	Footwear mfg—Con.				
316214	Women's footwear (except athletic) mfg	1999.. 6 158	623	5 534	9
		1998.. 7 949	1 350	6 599	28
		1997.. 5 162	767	4 395	X
316219	Other footwear mfg	1999.. 2 456	257	2 199	8
		1998.. 3 244	308	2 935	24
		1997.. 3 889	477	3 412	X
3169	Other leather & allied product mfg	1999.. 56 396	4 200	52 196	24
		1998.. 40 029	4 297	35 732	6
		1997.. 50 253	7 485	42 768	X
31699	Other leather & allied product mfg	1999.. 56 396	4 200	52 196	24
		1998.. 40 029	4 297	35 732	6
		1997.. 50 253	7 485	42 768	X
316991	Luggage mfg	1999.. 34 144	2 415	31 729	39
		1998.. 16 487	2 387	14 101	2
		1997.. 18 943	3 163	15 780	X
316992	Women's handbag & purse mfg	1999.. 2 430	40	2 390	3
		1998.. 1 274	464	810	16
		1997.. 4 415	1 357	3 058	X
316993	Personal leather good (except women's handbag & purse) mfg	1999.. 4 994	935	4 059	8
		1998.. 5 338	960	4 378	26
		1997.. 6 357	390	5 967	X
316999	All other leather good mfg	1999.. 14 827	810	14 017	8
		1998.. 16 930	486	16 443	12
		1997.. 20 538	2 575	17 963	X
321	Wood product mfg	1999.. 3 033 022	510 770	2 522 252	3
		1998.. 2 799 207	508 413	2 290 794	3
		1997.. 2 869 234	544 270	2 324 964	X
3211	Sawmills & wood preservation	1999.. 1 041 677	137 756	903 921	4
		1998.. 1 113 268	130 346	982 921	5
		1997.. 1 161 016	176 003	985 013	X
32111	Sawmills & wood preservation	1999.. 1 041 677	137 756	903 921	4
		1998.. 1 113 268	130 346	982 921	5
		1997.. 1 161 016	176 003	985 013	X
321113	Sawmills	1999.. 961 089	118 541	842 548	5
		1998.. 1 041 165	115 851	925 315	5
		1997.. 1 079 446	153 007	926 439	X
321114	Wood preservation	1999.. 80 588	19 215	61 373	6
		1998.. 72 102	14 495	57 607	23
		1997.. 81 570	22 996	58 574	X
3212	Veneer, plywood, & engineered wood product mfg ..	1999.. 822 034	89 920	732 114	4
		1998.. 664 268	108 936	555 332	4
		1997.. 762 558	99 122	663 436	X
32121	Veneer, plywood, & engineered wood product mfg	1999.. 822 034	89 920	732 114	4
		1998.. 664 268	108 936	555 332	4
		1997.. 762 558	99 122	663 436	X
321211	Hardwood veneer & plywood mfg	1999.. 100 785	15 235	85 550	11
		1998.. 76 627	20 179	56 449	30
		1997.. 71 305	11 553	59 752	X
321212	Softwood veneer & plywood mfg	1999.. 190 186	15 506	174 680	13
		1998.. 129 913	19 745	110 169	5
		1997.. 163 510	12 566	150 944	X
321213	Engineered wood member (except truss) mfg ..	1999.. 84 216	8 755	75 461	19
		1998.. 69 985	14 009	55 976	1
		1997.. 53 742	18 019	35 723	X
321214	Truss mfg	1999.. 128 553	30 088	98 465	9
		1998.. 98 109	19 687	78 422	15
		1997.. 84 398	17 390	67 008	X
321219	Reconstituted wood product mfg	1999.. 318 294	20 336	297 958	4
		1998.. 289 633	35 316	254 317	1
		1997.. 389 603	39 594	350 009	X
3219	Other wood product mfg	1999.. 1 169 311	283 094	886 217	6
		1998.. 1 021 671	269 131	752 540	5
		1997.. 945 660	269 145	676 515	X
32191	Millwork	1999.. 671 162	141 070	530 092	9
		1998.. 542 576	111 042	431 533	8
		1997.. 469 484	92 286	377 198	X
321911	Wood window & door mfg	1999.. 281 673	50 571	231 102	9
		1998.. 231 935	54 030	177 905	10
		1997.. 204 866	40 660	164 206	X
321912	Cut stock, resawing lumber, & planing	1999.. 207 316	54 306	153 010	23
		1998.. 201 433	35 498	165 935	18
		1997.. 160 314	29 273	131 041	X
321918	Other millwork (including flooring)	1999.. 182 174	36 193	145 980	13
		1998.. 109 207	21 515	87 693	12
		1997.. 104 304	22 353	81 951	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard
			(\$1,000)	(\$1,000)	(\$1,000)	error of estimate ¹ (percent) for column—
			A	B	C	A
321	Wood product mfg—Con.					
3219	Other wood product mfg—Con.					
32192	Wood container & pallet mfg	1999..	142 442	25 447	116 995	9
		1998..	135 228	21 988	113 240	9
		1997..	129 873	24 178	105 695	X
321920	Wood container & pallet mfg	1999..	142 442	25 447	116 995	9
		1998..	135 228	21 988	113 240	9
		1997..	129 873	24 178	105 695	X
32199	All other wood product mfg	1999..	355 707	116 577	239 130	8
		1998..	343 868	136 100	207 767	8
		1997..	346 303	152 681	193 622	X
321991	Manufactured home (mobile home) mfg	1999..	121 981	61 561	60 421	5
		1998..	129 273	85 731	43 541	16
		1997..	140 948	81 442	59 506	X
321992	Prefabricated wood building mfg	1999..	58 530	12 415	46 115	9
		1998..	69 325	28 144	41 181	14
		1997..	55 497	16 770	38 727	X
321999	All other miscellaneous wood product mfg	1999..	175 196	42 601	132 594	16
		1998..	145 270	22 225	123 045	9
		1997..	149 858	54 469	95 389	X
322	Paper mfg	1999..	7 050 880	690 526	6 360 353	3
		1998..	8 546 666	649 617	7 897 048	4
		1997..	8 595 133	783 538	7 811 595	X
3221	Pulp, paper, & paperboard mills	1999..	4 469 984	363 828	4 106 156	4
		1998..	5 791 381	319 623	5 471 758	5
		1997..	5 727 647	437 130	5 290 517	X
32211	Pulp mills	1999..	186 687	12 269	174 418	5
		1998..	415 795	8 694	407 101	7
		1997..	344 652	28 293	316 359	X
322110	Pulp mills	1999..	186 687	12 269	174 418	5
		1998..	415 795	8 694	407 101	7
		1997..	344 652	28 293	316 359	X
32212	Paper mills	1999..	3 001 464	259 413	2 742 051	1
		1998..	3 981 774	225 838	3 755 936	7
		1997..	3 768 677	290 742	3 477 935	X
322121	Paper (except newsprint) mills	1999..	2 679 057	247 698	2 431 359	1
		1998..	3 357 152	208 840	3 148 312	9
		1997..	3 404 261	263 728	3 140 533	X
322122	Newsprint mills	1999..	322 408	11 715	310 692	3
		1998..	624 622	16 998	607 624	3
		1997..	364 416	27 014	337 402	X
32213	Paperboard mills	1999..	1 281 833	92 146	1 189 687	14
		1998..	1 393 812	85 091	1 308 721	2
		1997..	1 614 318	118 095	1 496 223	X
322130	Paperboard mills	1999..	1 281 833	92 146	1 189 687	14
		1998..	1 393 812	85 091	1 308 721	2
		1997..	1 614 318	118 095	1 496 223	X
3222	Converted paper product mfg	1999..	2 580 895	326 698	2 254 197	2
		1998..	2 755 285	329 995	2 425 290	7
		1997..	2 867 486	346 408	2 521 078	X
32221	Paperboard container mfg	1999..	1 458 683	210 977	1 247 706	4
		1998..	1 550 232	196 354	1 353 878	13
		1997..	1 566 678	219 490	1 347 188	X
322211	Corrugated & solid fiber box mfg	1999..	833 314	144 610	688 704	6
		1998..	958 718	116 993	841 725	20
		1997..	966 285	125 297	840 988	X
322212	Folding paperboard box mfg	1999..	428 851	28 268	400 583	5
		1998..	409 257	62 290	346 967	9
		1997..	443 225	63 186	380 039	X
322213	Setup paperboard box mfg	1999..	16 544	2 085	14 459	X
		1998..	S	S	S	X
		1997..	21 332	1 958	19 374	X
322214	Fiber can, tube, drum, & similar products mfg ..	1999..	76 190	29 889	46 301	19
		1998..	65 135	5 297	59 838	19
		1997..	70 009	20 526	49 483	X
322215	Nonfolding sanitary food container mfg	1999..	103 784	6 125	97 659	2
		1998..	111 056	11 329	99 727	4
		1997..	65 827	8 523	57 304	X
32222	Paper bag & coated & treated paper mfg	1999..	580 740	62 878	517 863	4
		1998..	636 668	93 371	543 297	2
		1997..	558 655	42 113	516 542	X
322221	Coated & laminated packaging paper & plastics film mfg	1999..	29 779	5 151	24 628	9
		1998..	33 955	10 531	23 424	25
		1997..	46 285	4 684	41 601	X
322222	Coated & laminated paper mfg	1999..	385 913	40 919	344 995	5
		1998..	464 907	63 406	401 502	2
		1997..	363 320	26 319	337 001	X
322223	Plastics, foil, & coated paper bag mfg	1999..	9 299	1 106	8 193	5
		1998..	18 549	1 561	16 987	17
		1997..	16 979	1 424	15 555	X
322224	Uncoated paper & multiwall bag mfg	1999..	60 546	3 281	57 265	20
		1998..	61 610	11 407	50 203	3
		1997..	79 978	3 450	76 528	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
322	Paper mfg—Con.				
3222	Converted paper product mfg—Con.				
32222	Paper bag & coated & treated paper mfg—Con.				
322225	Laminated aluminum foil mfg for flexible packaging uses	1999.. 55 855	6 892	48 963	1
		1998.. 37 743	1 589	36 154	2
		1997.. 36 925	3 834	33 091	X
322226	Surface-coated paperboard mfg	1999.. 39 349	5 529	33 819	7
		1998.. 19 905	4 877	15 027	22
		1997.. 15 168	2 402	12 766	X
32223	Stationery product mfg	1999.. 175 396	23 699	151 698	6
		1998.. 190 738	13 921	176 817	14
		1997.. 248 190	33 195	214 995	X
322231	Die-cut paper & paperboard office supplies mfg	1999.. 55 853	5 374	50 479	14
		1998.. 63 824	2 916	60 908	24
		1997.. 55 008	7 406	47 602	X
322232	Envelope mfg	1999.. 85 068	8 189	76 879	6
		1998.. 102 101	7 198	94 903	20
		1997.. 148 406	21 165	127 241	X
322233	Stationery, tablet, & related product mfg	1999.. 34 475	10 136	24 339	12
		1998.. 24 812	3 807	21 006	4
		1997.. 44 776	4 624	40 152	X
32229	Other converted paper product mfg	1999.. 366 076	29 145	336 930	6
		1998.. 377 646	26 348	351 298	4
		1997.. 493 963	51 610	442 353	X
322291	Sanitary paper product mfg	1999.. 231 409	10 917	220 492	4
		1998.. 289 631	17 097	272 535	4
		1997.. 373 969	33 999	339 970	X
322299	All other converted paper product mfg	1999.. 134 667	18 228	116 439	14
		1998.. 88 015	9 251	78 763	14
		1997.. 119 994	17 611	102 383	X
323	Printing & related support activities	1999.. 4 833 668	514 431	4 319 238	3
		1998.. 4 882 975	610 388	4 272 587	4
		1997.. 5 052 110	717 131	4 334 979	X
3231	Printing & related support activities	1999.. 4 833 668	514 431	4 319 238	3
		1998.. 4 882 975	610 388	4 272 587	4
		1997.. 5 052 110	717 131	4 334 979	X
32311	Printing	1999.. 4 453 378	478 184	3 975 194	3
		1998.. 4 492 942	557 828	3 935 114	4
		1997.. 4 703 898	689 969	4 013 929	X
323110	Commercial lithographic printing	1999.. 2 874 401	301 785	2 572 617	5
		1998.. 2 825 242	348 537	2 476 706	5
		1997.. 3 009 917	434 888	2 575 029	X
323111	Commercial gravure printing	1999.. 166 118	8 436	157 682	5
		1998.. 276 732	47 257	229 475	10
		1997.. 250 899	41 934	208 965	X
323112	Commercial flexographic printing	1999.. 229 891	23 873	206 018	8
		1998.. 224 803	16 939	207 865	10
		1997.. 204 874	37 319	167 555	X
323113	Commercial screen printing	1999.. 232 009	35 425	196 583	7
		1998.. 240 526	42 597	197 928	11
		1997.. 266 409	54 795	211 614	X
323114	Quick printing	1999.. 261 272	25 722	235 550	8
		1998.. 165 665	14 503	151 162	15
		1997.. 191 322	16 090	175 232	X
323115	Digital printing	1999.. 39 838	4 444	35 394	11
		1998.. 31 132	5 322	25 810	49
		1997.. 27 700	3 624	24 076	X
323116	Manifold business form printing	1999.. 220 965	25 291	195 674	9
		1998.. 186 136	12 090	174 046	10
		1997.. 257 543	35 522	222 021	X
323117	Book printing	1999.. 223 467	17 525	205 942	9
		1998.. 306 141	33 369	272 771	10
		1997.. 289 820	34 650	255 170	X
323118	Blankbook, looseleaf binder, & device mfg	1999.. 68 879	14 877	54 002	13
		1998.. 127 019	23 698	103 321	46
		1997.. 82 328	10 893	71 435	X
323119	Other commercial printing	1999.. 136 538	20 805	115 733	13
		1998.. 109 546	13 516	96 030	12
		1997.. 123 086	20 254	102 832	X
32312	Support activities for printing	1999.. 380 290	36 247	344 043	7
		1998.. 390 033	52 561	337 472	15
		1997.. 348 212	27 162	321 050	X
323121	Tradebinding & related work	1999.. 97 557	3 338	94 219	14
		1998.. 103 865	4 028	99 837	14
		1997.. 88 962	6 507	82 455	X
323122	Prepress services	1999.. 282 733	32 909	249 825	8
		1998.. 286 168	48 533	237 635	20
		1997.. 259 250	20 655	238 595	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	
			A	B	C	A
324	Petroleum & coal products mfg	1999..	4 569 025	888 005	3 681 021	1
		1998..	4 814 125	784 816	4 029 308	1
		1997..	4 755 162	509 806	4 245 356	X
3241	Petroleum & coal products mfg	1999..	4 569 025	888 005	3 681 021	1
		1998..	4 814 125	784 816	4 029 308	1
		1997..	4 755 162	509 806	4 245 356	X
32411	Petroleum refineries	1999..	3 980 979	846 071	3 134 909	2
		1998..	4 168 878	728 070	3 440 807	1
		1997..	4 244 371	422 156	3 822 215	X
324110	Petroleum refineries	1999..	3 980 979	846 071	3 134 909	2
		1998..	4 168 878	728 070	3 440 807	1
		1997..	4 244 371	422 156	3 822 215	X
32412	Asphalt paving, roofing, & saturated materials mfg	1999..	456 453	25 105	431 348	5
		1998..	460 310	26 398	433 911	8
		1997..	345 465	48 733	296 732	X
324121	Asphalt paving mixture & block mfg	1999..	337 508	16 802	320 706	7
		1998..	309 843	8 794	301 049	12
		1997..	195 527	13 093	182 434	X
324122	Asphalt shingle & coating materials mfg	1999..	118 945	8 302	110 642	4
		1998..	150 467	17 604	132 862	4
		1997..	149 938	35 640	114 298	X
32419	Other petroleum & coal products mfg	1999..	131 593	16 829	114 764	4
		1998..	184 937	30 348	154 590	19
		1997..	165 326	38 917	126 409	X
324191	Petroleum lubricating oil & grease mfg	1999..	91 005	11 279	79 727	6
		1998..	105 858	24 659	81 199	15
		1997..	105 229	23 768	81 461	X
324199	All other petroleum & coal products mfg	1999..	40 588	5 551	35 037	5
		1998..	79 080	5 689	73 391	40
		1997..	60 097	15 149	44 948	X
325	Chemical mfg	1999..	20 936 660	3 172 553	17 764 108	1
		1998..	21 738 626	2 696 128	19 042 498	1
		1997..	21 669 251	3 287 482	18 381 769	X
3251	Basic chemical mfg	1999..	7 001 739	581 990	6 419 749	2
		1998..	7 490 998	433 856	7 057 143	1
		1997..	7 908 365	619 740	7 288 625	X
32511	Petrochemical mfg	1999..	629 551	42 269	587 283	1
		1998..	628 865	13 305	615 559	2
		1997..	988 915	27 541	961 374	X
325110	Petrochemical mfg	1999..	629 551	42 269	587 283	1
		1998..	628 865	13 305	615 559	2
		1997..	988 915	27 541	961 374	X
32512	Industrial gas mfg	1999..	544 743	24 892	519 852	5
		1998..	696 812	16 320	680 491	1
		1997..	728 910	17 321	711 589	X
325120	Industrial gas mfg	1999..	544 743	24 892	519 852	5
		1998..	696 812	16 320	680 491	1
		1997..	728 910	17 321	711 589	X
32513	Dye & pigment mfg	1999..	318 665	31 933	286 732	6
		1998..	274 965	26 766	248 199	1
		1997..	340 062	60 631	279 431	X
325131	Inorganic dye & pigment mfg	1999..	231 848	19 194	212 654	7
		1998..	192 445	19 181	173 264	1
		1997..	211 915	45 131	166 784	X
325132	Synthetic organic dye & pigment mfg	1999..	86 817	12 738	74 079	13
		1998..	82 520	7 586	74 935	5
		1997..	128 147	15 500	112 647	X
32518	Other basic inorganic chemical mfg	1999..	1 612 826	196 538	1 416 288	3
		1998..	1 661 406	142 839	1 518 568	4
		1997..	1 211 259	130 205	1 081 054	X
325181	Alkalies & chlorine mfg	1999..	144 579	5 280	139 299	2
		1998..	227 443	12 864	214 579	1
		1997..	284 549	11 231	273 318	X
325182	Carbon black mfg	1999..	56 949	10 942	46 007	9
		1998..	76 618	12 054	64 565	37
		1997..	89 107	2 563	86 544	X
325188	All other basic inorganic chemical mfg	1999..	1 411 298	180 316	1 230 982	4
		1998..	1 357 346	117 921	1 239 425	5
		1997..	837 603	116 411	721 192	X
32519	Other basic organic chemical mfg	1999..	3 895 954	286 359	3 609 595	3
		1998..	4 228 951	234 626	3 994 325	1
		1997..	4 639 219	384 042	4 255 177	X
325191	Gum & wood chemical mfg	1999..	39 288	2 710	36 578	1
		1998..	32 546	3 085	29 461	3
		1997..	33 575	3 559	30 016	X
325192	Cyclic crude & intermediate mfg	1999..	321 384	16 604	304 780	10
		1998..	382 578	15 790	366 788	1
		1997..	768 610	48 786	719 824	X
325193	Ethyl alcohol mfg	1999..	70 033	17 988	52 045	41
		1998..	81 006	22 721	58 285	21
		1997..	36 694	13 734	22 960	X
325199	All other basic organic chemical mfg	1999..	3 465 249	249 057	3 216 192	3
		1998..	3 732 820	193 029	3 539 791	1
		1997..	3 800 340	317 963	3 482 377	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	A
			A	B	C	A
325	Chemical mfg—Con.					
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1999..	4 150 248	243 442	3 906 806	2
		1998..	4 394 591	249 181	4 145 410	3
		1997..	3 953 660	366 130	3 587 530	X
32521	Resin & synthetic rubber mfg	1999..	3 566 495	190 892	3 375 603	2
		1998..	3 779 924	198 518	3 581 406	4
		1997..	3 312 417	320 464	2 991 953	X
325211	Plastics material & resin mfg	1999..	3 271 397	164 535	3 106 863	2
		1998..	3 430 616	184 508	3 246 108	4
		1997..	2 923 891	292 431	2 631 460	X
325212	Synthetic rubber mfg	1999..	295 098	26 357	268 741	3
		1998..	349 308	14 011	335 297	1
		1997..	388 526	28 033	360 493	X
32522	Artificial & synthetic fibers & filaments mfg	1999..	583 753	52 550	531 203	1
		1998..	614 667	50 663	564 004	2
		1997..	641 243	45 666	595 577	X
325221	Cellulosic organic fiber mfg	1999..	27 522	1 237	26 285	1
		1998..	76 763	4 696	72 067	1
		1997..	46 741	2 640	44 101	X
325222	Noncellulosic organic fiber mfg	1999..	556 231	51 313	504 918	2
		1998..	537 904	45 967	491 937	2
		1997..	594 502	43 026	551 476	X
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1999..	1 096 929	99 587	997 341	5
		1998..	1 191 098	58 964	1 132 133	13
		1997..	1 308 297	110 614	1 197 683	X
32531	Fertilizer mfg	1999..	707 571	72 204	635 367	6
		1998..	795 727	40 620	755 107	20
		1997..	871 077	71 102	799 975	X
325311	Nitrogenous fertilizer mfg	1999..	145 595	3 370	142 225	9
		1998..	402 193	4 240	397 953	14
		1997..	589 737	11 134	578 603	X
325312	Phosphatic fertilizer mfg	1999..	442 848	46 850	395 998	9
		1998..	338 219	17 422	320 797	44
		1997..	210 209	43 388	166 821	X
325314	Fertilizer (mixing only) mfg	1999..	119 129	21 984	97 144	9
		1998..	55 314	18 957	36 357	11
		1997..	71 131	16 580	54 551	X
32532	Pesticide & other agricultural chemical mfg	1999..	389 358	27 383	361 975	9
		1998..	395 371	18 345	377 027	2
		1997..	437 220	39 512	397 708	X
325320	Pesticide & other agricultural chemical mfg	1999..	389 358	27 383	361 975	9
		1998..	395 371	18 345	377 027	2
		1997..	437 220	39 512	397 708	X
3254	Pharmaceutical & medicine mfg	1999..	4 631 233	1 432 015	3 199 218	3
		1998..	4 335 120	1 233 957	3 101 164	2
		1997..	4 750 538	1 557 972	3 192 566	X
32541	Pharmaceutical & medicine mfg	1999..	4 631 233	1 432 015	3 199 218	3
		1998..	4 335 120	1 233 957	3 101 164	2
		1997..	4 750 538	1 557 972	3 192 566	X
325411	Medicinal & botanical mfg	1999..	1 011 821	213 914	797 906	4
		1998..	1 021 414	211 938	809 476	6
		1997..	1 125 300	266 869	858 431	X
325412	Pharmaceutical preparation mfg	1999..	2 528 251	954 291	1 573 959	5
		1998..	2 300 279	764 950	1 535 329	3
		1997..	2 491 682	940 583	1 551 099	X
325413	In-vitro diagnostic substance mfg	1999..	709 092	85 108	623 984	2
		1998..	623 413	113 032	510 381	2
		1997..	706 684	166 206	540 478	X
325414	Biological product (except diagnostic) mfg	1999..	382 070	178 702	203 369	8
		1998..	390 015	144 037	245 977	2
		1997..	426 872	184 314	242 558	X
3255	Paint, coating, & adhesive mfg	1999..	778 474	165 841	612 633	5
		1998..	721 456	161 310	560 146	8
		1997..	654 220	134 742	519 478	X
32551	Paint & coating mfg	1999..	448 660	94 728	353 931	5
		1998..	483 338	118 841	364 496	12
		1997..	411 043	80 352	330 691	X
325510	Paint & coating mfg	1999..	448 660	94 728	353 931	5
		1998..	483 338	118 841	364 496	12
		1997..	411 043	80 352	330 691	X
32552	Adhesive mfg	1999..	329 814	71 112	258 702	10
		1998..	238 118	42 469	195 650	8
		1997..	243 177	54 390	188 787	X
325520	Adhesive mfg	1999..	329 814	71 112	258 702	10
		1998..	238 118	42 469	195 650	8
		1997..	243 177	54 390	188 787	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
325	Chemical mfg—Con.				
3256	Soap, cleaning compound, & toilet preparation mfg	1 882 264	394 189	1 488 075	4
	1998..	1 685 754	307 668	1 378 087	3
	1997..	1 478 636	243 995	1 234 641	X
32561	Soap & cleaning compound mfg	1 188 322	194 266	994 055	4
	1998..	1 001 958	163 894	838 064	3
	1997..	906 378	126 648	779 730	X
325611	Soap & other detergent mfg	487 110	72 215	414 894	5
	1998..	459 159	79 461	379 699	4
	1997..	464 466	66 571	397 895	X
325612	Polish & other sanitation good mfg	286 860	50 044	236 816	12
	1998..	220 371	42 237	178 135	5
	1997..	153 642	26 395	127 247	X
325613	Surface active agent mfg	414 352	72 007	342 345	7
	1998..	322 427	42 197	280 230	5
	1997..	288 270	33 682	254 588	X
32562	Toilet preparation mfg	693 943	199 923	494 020	9
	1998..	683 796	143 774	540 023	7
	1997..	572 258	117 347	454 911	X
325620	Toilet preparation mfg	693 943	199 923	494 020	9
	1998..	683 796	143 774	540 023	7
	1997..	572 258	117 347	454 911	X
3259	Other chemical product mfg	1 395 773	255 488	1 140 285	9
	1998..	1 919 609	251 193	1 668 416	5
	1997..	1 615 535	254 289	1 361 246	X
32591	Printing ink mfg	85 488	19 072	66 416	12
	1998..	66 935	8 073	58 863	11
	1997..	90 509	19 505	71 004	X
325910	Printing ink mfg	85 488	19 072	66 416	12
	1998..	66 935	8 073	58 863	11
	1997..	90 509	19 505	71 004	X
32592	Explosives mfg	42 113	5 041	37 072	11
	1998..	59 903	12 382	47 521	16
	1997..	44 209	8 491	35 718	X
325920	Explosives mfg	42 113	5 041	37 072	11
	1998..	59 903	12 382	47 521	16
	1997..	44 209	8 491	35 718	X
32599	All other chemical product & preparation mfg	1 268 172	231 375	1 036 797	10
	1998..	1 792 771	230 738	1 562 033	5
	1997..	1 480 817	226 293	1 254 524	X
325991	Custom compounding of purchased resin	325 187	52 803	272 384	7
	1998..	237 783	36 908	200 875	5
	1997..	298 243	54 572	243 671	X
325992	Photographic film, paper, plate, & chemical mfg	216 410	35 283	181 127	4
	1998..	899 511	60 023	839 488	10
	1997..	571 275	63 825	507 450	X
325998	All other miscellaneous chemical product & preparation mfg	726 575	143 289	583 286	17
	1998..	655 477	133 807	521 670	2
	1997..	611 299	107 896	503 403	X
326	Plastics & rubber products mfg	8 679 682	1 024 536	7 655 146	2
	1998..	8 112 584	1 085 641	7 026 943	2
	1997..	7 836 663	1 077 018	6 759 645	X
3261	Plastics product mfg	7 050 777	851 044	6 199 733	2
	1998..	6 556 875	902 350	5 654 525	2
	1997..	6 451 221	910 963	5 540 258	X
32611	Unsupported plastics film, sheet, & bag mfg	1 265 667	130 506	1 135 162	4
	1998..	1 144 528	150 905	993 623	5
	1997..	1 324 069	188 329	1 135 740	X
326111	Unsupported plastics bag mfg	343 060	41 251	301 809	4
	1998..	273 085	17 312	255 773	10
	1997..	366 375	43 115	323 260	X
326112	Unsupported plastics packaging film & sheet mfg	186 114	15 443	170 671	13
	1998..	177 636	30 537	147 098	17
	1997..	214 642	33 849	180 793	X
326113	Unsupported plastics film & sheet (except packaging) mfg	736 493	73 811	662 681	5
	1998..	693 808	103 056	590 752	6
	1997..	743 052	111 365	631 687	X
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	503 465	98 741	404 724	4
	1998..	438 082	54 639	383 443	7
	1997..	458 816	66 568	392 248	X
326121	Unsupported plastics profile shape mfg	215 590	48 460	167 129	6
	1998..	197 653	26 299	171 354	7
	1997..	215 561	36 748	178 813	X
326122	Plastics pipe & pipe fitting mfg	287 875	50 280	237 595	5
	1998..	240 429	28 341	212 088	12
	1997..	243 255	29 820	213 435	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
326	Plastics & rubber products mfg—Con.				
3261	Plastics product mfg—Con.				
32613	Laminated plastics plate, sheet, & shape mfg	1999.. 101 321	12 321	89 000	5
		1998.. 124 912	10 122	114 789	10
		1997.. 139 476	16 727	122 749	X
326130	Laminated plastics plate, sheet, & shape mfg ..	1999.. 101 321	12 321	89 000	5
		1998.. 124 912	10 122	114 789	10
		1997.. 139 476	16 727	122 749	X
32614	Polystyrene foam product mfg	1999.. 307 266	59 227	248 039	7
		1998.. 390 018	112 723	277 295	11
		1997.. 317 912	73 549	244 363	X
326140	Polystyrene foam product mfg	1999.. 307 266	59 227	248 039	7
		1998.. 390 018	112 723	277 295	11
		1997.. 317 912	73 549	244 363	X
32615	Urethane & other foam product (except polystyrene) mfg	1999.. 202 034	25 630	176 405	10
		1998.. 171 015	10 968	160 046	8
		1997.. 216 869	40 330	176 539	X
326150	Urethane & other foam product (except polystyrene) mfg	1999.. 202 034	25 630	176 405	10
		1998.. 171 015	10 968	160 046	8
		1997.. 216 869	40 330	176 539	X
32616	Plastics bottle mfg	1999.. 775 828	61 470	714 358	6
		1998.. 573 254	55 554	517 700	5
		1997.. 447 247	34 818	412 429	X
326160	Plastics bottle mfg	1999.. 775 828	61 470	714 358	6
		1998.. 573 254	55 554	517 700	5
		1997.. 447 247	34 818	412 429	X
32619	Other plastics product mfg	1999.. 3 895 196	463 150	3 432 046	3
		1998.. 3 715 066	507 438	3 207 628	2
		1997.. 3 546 832	490 642	3 056 190	X
326191	Plastics plumbing fixture mfg	1999.. 59 073	10 554	48 519	9
		1998.. 39 758	3 868	35 890	6
		1997.. 48 736	7 816	40 920	X
326192	Resilient floor covering mfg	1999.. 101 378	25 909	75 468	3
		1998.. 74 635	6 454	68 180	1
		1997.. 66 721	8 818	57 903	X
326199	All other plastics product mfg	1999.. 3 734 745	426 687	3 308 059	3
		1998.. 3 600 674	497 116	3 103 558	2
		1997.. 3 431 375	474 008	2 957 367	X
3262	Rubber product mfg	1999.. 1 628 905	173 492	1 455 412	2
		1998.. 1 555 710	183 292	1 372 418	3
		1997.. 1 385 442	166 055	1 219 387	X
32621	Tire mfg	1999.. 824 625	89 079	735 545	1
		1998.. 734 319	72 110	662 209	3
		1997.. 611 115	43 226	567 889	X
326211	Tire mfg (except retreading)	1999.. 774 713	75 649	699 064	1
		1998.. 688 931	69 738	619 193	3
		1997.. 587 101	40 852	546 249	X
326212	Tire retreading	1999.. 49 912	13 430	36 482	20
		1998.. 45 389	2 372	43 016	18
		1997.. 24 014	2 374	21 640	X
32622	Rubber & plastics hoses & belting mfg	1999.. 151 159	15 289	135 870	5
		1998.. 156 927	21 611	135 316	12
		1997.. 144 948	20 690	124 258	X
326220	Rubber & plastics hoses & belting mfg	1999.. 151 159	15 289	135 870	5
		1998.. 156 927	21 611	135 316	12
		1997.. 144 948	20 690	124 258	X
32629	Other rubber product mfg	1999.. 653 121	69 124	583 997	5
		1998.. 664 464	89 571	574 893	6
		1997.. 629 379	102 139	527 240	X
326291	Rubber product mfg for mechanical use	1999.. 342 494	41 746	300 748	5
		1998.. 326 449	42 717	283 732	6
		1997.. 345 438	53 072	292 366	X
326299	All other rubber product mfg	1999.. 310 627	27 378	283 249	9
		1998.. 338 015	46 854	291 161	10
		1997.. 283 941	49 067	234 874	X
327	Nonmetallic mineral product mfg	1999.. 5 355 256	668 935	4 686 321	2
		1998.. 5 026 090	634 487	4 391 603	2
		1997.. 4 798 921	645 080	4 153 841	X
3271	Clay product & refractory mfg	1999.. 444 670	66 043	378 628	7
		1998.. 411 465	80 046	331 419	11
		1997.. 414 410	74 082	340 328	X
32711	Pottery, ceramics, & plumbing fixture mfg	1999.. 152 905	20 923	131 982	6
		1998.. 152 122	27 781	124 341	16
		1997.. 159 671	29 064	130 607	X
327111	Vitreous china plumbing fixture & bathroom accessories mfg	1999.. 26 406	1 741	24 666	9
		1998.. 20 681	1 348	19 333	1
		1997.. 14 877	1 585	13 292	X
327112	Vitreous china, fine earthenware, & other pottery product mfg	1999.. 70 926	9 087	61 840	11
		1998.. 71 336	16 061	55 275	13
		1997.. 76 465	15 247	61 218	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
327	Nonmetallic mineral product mfg—Con.				
3271	Clay product & refractory mfg—Con.				
32711	Pottery, ceramics, & plumbing fixture mfg—Con.				
327113	Porcelain electrical supply mfg	1999.. 55 572	10 096	45 477	6
		1998.. 60 105	10 372	49 733	37
		1997.. 68 329	12 232	56 097	X
32712	Clay building material & refractories mfg	1999.. 291 765	45 120	246 645	10
		1998.. 259 343	52 265	207 078	15
		1997.. 254 739	45 018	209 721	X
327121	Brick & structural clay tile mfg	1999.. 86 273	8 050	78 223	7
		1998.. 79 738	8 672	71 066	11
		1997.. 70 726	10 228	60 498	X
327122	Ceramic wall & floor tile mfg	1999.. 58 647	8 761	49 886	16
		1998.. 41 752	11 340	30 412	16
		1997.. 58 800	9 314	49 486	X
327123	Other structural clay product mfg	1999.. 8 810	1 992	6 819	6
		1998.. 8 481	754	7 727	70
		1997.. 4 856	823	4 033	X
327124	Clay refractory mfg	1999.. 26 351	2 342	24 009	17
		1998.. 27 482	2 512	24 970	18
		1997.. 25 605	2 190	23 415	X
327125	Nonclay refractory mfg	1999.. 111 684	23 975	87 708	25
		1998.. 101 890	28 988	72 902	35
		1997.. 94 752	22 463	72 289	X
3272	Glass & glass product mfg	1999.. 1 708 182	222 626	1 485 556	2
		1998.. 1 765 332	180 351	1 584 981	1
		1997.. 1 642 137	237 051	1 405 086	X
32721	Glass & glass product mfg	1999.. 1 708 182	222 626	1 485 556	2
		1998.. 1 765 332	180 351	1 584 981	1
		1997.. 1 642 137	237 051	1 405 086	X
327211	Flat glass mfg	1999.. 264 210	27 080	237 129	5
		1998.. 384 491	34 244	350 246	1
		1997.. 176 690	20 141	156 549	X
327212	Other pressed & blown glass & glassware mfg	1999.. 571 055	79 532	491 522	1
		1998.. 658 733	71 913	586 820	2
		1997.. 627 705	75 502	552 203	X
327213	Glass container mfg	1999.. 406 910	D	D	6
		1998.. 356 440	D	D	4
		1997.. 283 023	D	D	X
327215	Glass product mfg made of purchased glass ...	1999.. 466 008	D	D	4
		1998.. 365 668	D	D	5
		1997.. 554 719	D	D	X
3273	Cement & concrete product mfg	1999.. 2 205 913	282 437	1 923 475	3
		1998.. 1 897 118	252 859	1 644 259	3
		1997.. 1 802 948	203 703	1 599 245	X
32731	Cement mfg	1999.. 604 038	99 198	504 840	3
		1998.. 525 424	94 673	430 752	6
		1997.. 505 630	35 250	470 380	X
327310	Cement mfg	1999.. 604 038	99 198	504 840	3
		1998.. 525 424	94 673	430 752	6
		1997.. 505 630	35 250	470 380	X
32732	Ready-mix concrete mfg	1999.. 995 851	88 301	907 550	5
		1998.. 834 318	73 291	761 026	3
		1997.. 798 851	79 051	719 800	X
327320	Ready-mix concrete mfg	1999.. 995 851	88 301	907 550	5
		1998.. 834 318	73 291	761 026	3
		1997.. 798 851	79 051	719 800	X
32733	Concrete pipe, brick, & block mfg	1999.. 286 788	43 407	243 381	8
		1998.. 270 001	36 334	233 667	10
		1997.. 228 914	41 500	187 414	X
327331	Concrete block & brick mfg	1999.. 172 246	22 398	149 848	9
		1998.. 178 335	26 126	152 209	14
		1997.. 149 684	27 232	122 452	X
327332	Concrete pipe mfg	1999.. 114 542	21 009	93 533	13
		1998.. 91 666	10 208	81 458	14
		1997.. 79 230	14 268	64 962	X
32739	Other concrete product mfg	1999.. 319 235	51 531	267 704	5
		1998.. 267 374	48 561	218 814	7
		1997.. 269 553	47 902	221 651	X
327390	Other concrete product mfg	1999.. 319 235	51 531	267 704	5
		1998.. 267 374	48 561	218 814	7
		1997.. 269 553	47 902	221 651	X
3274	Lime & gypsum product mfg	1999.. 242 095	33 131	208 964	5
		1998.. 226 899	23 969	202 930	16
		1997.. 213 098	23 204	189 894	X
32741	Lime mfg	1999.. 83 971	4 269	79 701	12
		1998.. 60 191	3 969	56 223	36
		1997.. 59 097	4 892	54 205	X
327410	Lime mfg	1999.. 83 971	4 269	79 701	12
		1998.. 60 191	3 969	56 223	36
		1997.. 59 097	4 892	54 205	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total (\$1,000)	Buildings and other structures (\$1,000)	Machinery and equipment (\$1,000)	Relative standard error of estimate ¹ (percent) for column—
					A
327	Nonmetallic mineral product mfg—Con.				
3274	Lime & gypsum product mfg—Con.				
32742	Gypsum product mfg.....	1999.. 158 124	28 862	129 262	4
		1998.. 166 707	20 000	146 708	17
		1997.. 154 001	18 312	135 689	X
327420	Gypsum product mfg.....	1999.. 158 124	28 862	129 262	4
		1998.. 166 707	20 000	146 708	17
		1997.. 154 001	18 312	135 689	X
3279	Other nonmetallic mineral product mfg	1999.. 754 397	64 698	689 698	3
		1998.. 725 277	97 262	628 015	4
		1997.. 726 328	107 040	619 288	X
32791	Abrasive product mfg	1999.. 158 528	9 938	148 590	5
		1998.. 163 942	27 213	136 729	11
		1997.. 155 961	18 776	137 185	X
327910	Abrasive product mfg	1999.. 158 528	9 938	148 590	5
		1998.. 163 942	27 213	136 729	11
		1997.. 155 961	18 776	137 185	X
32799	All other nonmetallic mineral product mfg	1999.. 595 868	54 760	541 108	4
		1998.. 561 335	70 049	491 286	5
		1997.. 570 367	88 264	482 103	X
327991	Cut stone & stone product mfg	1999.. 65 770	7 859	57 911	11
		1998.. 43 857	8 990	34 867	34
		1997.. 52 771	8 395	44 376	X
327992	Ground or treated mineral & earth mfg	1999.. 132 582	11 401	121 181	8
		1998.. 132 646	7 026	125 621	13
		1997.. 133 223	17 872	115 351	X
327993	Mineral wool mfg	1999.. 307 452	22 094	285 358	4
		1998.. 287 646	28 237	259 409	2
		1997.. 282 825	42 233	240 592	X
327999	All other miscellaneous nonmetallic mineral product mfg.....	1999.. 90 064	13 406	76 658	15
		1998.. 97 186	25 797	71 390	9
		1997.. 101 548	19 764	81 784	X
331	Primary metal mfg	1999.. 6 095 709	718 409	5 377 301	1
		1998.. 6 451 186	883 513	5 567 674	1
		1997.. 6 515 752	799 084	5 716 668	X
3311	Iron & steel mills & ferroalloy mfg	1999.. 2 344 798	156 880	2 187 918	1
		1998.. 2 632 191	237 992	2 394 200	1
		1997.. 2 673 741	208 505	2 465 236	X
33111	Iron & steel mills & ferroalloy mfg	1999.. 2 344 798	156 880	2 187 918	1
		1998.. 2 632 191	237 992	2 394 200	1
		1997.. 2 673 741	208 505	2 465 236	X
331111	Iron & steel mills	1999.. 2 289 079	138 430	2 150 649	1
		1998.. 2 582 615	231 385	2 351 231	1
		1997.. 2 604 676	191 380	2 413 296	X
331112	Electrometallurgical ferroalloy product mfg	1999.. 55 719	18 449	37 269	5
		1998.. 49 576	6 607	42 969	1
		1997.. 69 065	17 125	51 940	X
3312	Steel product mfg from purchased steel	1999.. 473 827	60 840	412 987	3
		1998.. 517 316	79 540	437 776	6
		1997.. 533 536	78 247	455 289	X
33121	Iron & steel pipes & tubes mfg from purchased steel	1999.. 228 153	34 968	193 185	5
		1998.. 229 013	44 193	184 820	5
		1997.. 216 395	31 756	184 639	X
331210	Iron & steel pipes & tubes mfg from purchased steel	1999.. 228 153	34 968	193 185	5
		1998.. 229 013	44 193	184 820	5
		1997.. 216 395	31 756	184 639	X
33122	Rolling & drawing of purchased steel	1999.. 245 674	25 872	219 803	5
		1998.. 288 303	35 347	252 956	10
		1997.. 317 141	46 491	270 650	X
331221	Cold-rolled steel shape mfg	1999.. 90 437	8 971	81 466	6
		1998.. 152 138	10 668	141 470	9
		1997.. 139 343	14 643	124 700	X
331222	Steel wire drawing	1999.. 155 237	16 901	138 337	6
		1998.. 136 165	24 679	111 486	18
		1997.. 177 798	31 848	145 950	X
3313	Alumina & aluminum production & processing	1999.. 1 076 253	201 705	874 547	2
		1998.. 1 111 840	287 380	824 459	2
		1997.. 1 073 646	178 727	894 919	X
33131	Alumina & aluminum production & processing	1999.. 1 076 253	201 705	874 547	2
		1998.. 1 111 840	287 380	824 459	2
		1997.. 1 073 646	178 727	894 919	X
331311	Alumina refining	1999.. 98 616	D	D	1
		1998.. 93 391	D	D	1
		1997.. 96 963	D	D	X
331312	Primary aluminum production	1999.. 336 085	55 398	280 687	1
		1998.. 394 546	96 444	298 102	1
		1997.. 320 294	62 972	257 322	X
331314	Secondary smelting & alloying of aluminum	1999.. 101 824	16 707	85 118	13
		1998.. 66 341	9 266	57 075	11
		1997.. 86 449	27 181	59 268	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
331	Primary metal mfg—Con.				
3313	Alumina & aluminum production & processing—Con.				
33131	Alumina & aluminum production & processing—Con.				
331315	Aluminum sheet, plate, & foil mfg	1999.. 313 287	75 878	237 409	1
		1998.. 317 521	104 140	213 381	1
		1997.. 331 444	38 781	292 663	X
331316	Aluminum extruded product mfg	1999.. 195 657	42 065	153 592	6
		1998.. 221 343	60 406	160 937	7
		1997.. 208 984	33 370	175 614	X
331319	Other aluminum rolling & drawing	1999.. 30 783	D	D	11
		1998.. 18 698	D	D	5
		1997.. 29 512	D	D	X
3314	Nonferrous metal (except aluminum) production & processing	1999.. 857 663	140 648	717 015	4
		1998.. 872 936	129 905	743 031	4
		1997.. 917 401	140 925	776 476	X
33141	Nonferrous metal (except aluminum) smelting & refining	1999.. 346 028	54 040	291 988	9
		1998.. 333 575	41 828	291 746	2
		1997.. 346 123	52 275	293 848	X
331411	Primary smelting & refining of copper	1999.. 160 864	10 168	150 696	1
		1998.. 177 881	9 372	168 509	1
		1997.. 184 604	12 665	171 939	X
331419	Other nonferrous metal primary smelting & refining	1999.. 185 164	43 872	141 292	17
		1998.. 155 694	32 456	123 237	4
		1997.. 161 519	39 610	121 909	X
33142	Copper rolling, drawing, extruding, & alloying	1999.. 184 492	27 386	157 106	6
		1998.. 190 606	15 524	175 081	12
		1997.. 202 635	21 922	180 713	X
331421	Copper rolling, drawing, & extruding	1999.. 133 239	12 678	120 562	4
		1998.. 123 487	9 361	114 126	6
		1997.. 144 446	9 345	135 101	X
331422	Copper wire (except mechanical) drawing	1999.. 41 023	13 988	27 035	22
		1998.. 58 172	5 276	52 896	37
		1997.. 41 788	9 807	31 981	X
331423	Secondary smelting, refining, & alloying of copper	1999.. 10 230	721	9 509	10
		1998.. 8 946	887	8 060	21
		1997.. 16 401	2 770	13 631	X
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	1999.. 327 143	59 222	267 921	3
		1998.. 348 755	72 552	276 203	7
		1997.. 368 643	66 728	301 915	X
331491	Other nonferrous metal rolling, drawing, & extruding	1999.. 215 157	24 552	190 605	3
		1998.. 239 681	45 152	194 529	9
		1997.. 247 299	28 782	218 517	X
331492	Other nonferrous metal secondary smelting, refining, & alloying	1999.. 111 986	34 670	77 316	7
		1998.. 109 074	27 400	81 674	8
		1997.. 121 344	37 946	83 398	X
3315	Foundries	1999.. 1 343 168	158 335	1 184 833	3
		1998.. 1 316 904	148 696	1 168 208	6
		1997.. 1 317 428	192 680	1 124 748	X
33151	Ferrous metal foundries	1999.. 701 055	75 262	625 794	3
		1998.. 704 034	70 047	633 987	5
		1997.. 709 540	88 570	620 970	X
331511	Iron foundries	1999.. 512 429	47 237	465 192	3
		1998.. 517 131	47 499	469 632	5
		1997.. 508 271	54 606	453 665	X
331512	Steel investment foundries	1999.. 70 961	9 932	61 029	5
		1998.. 70 916	12 139	58 777	19
		1997.. 76 396	11 416	64 980	X
331513	Steel foundries (except investment)	1999.. 117 664	18 092	99 572	7
		1998.. 115 988	10 410	105 578	9
		1997.. 124 873	22 548	102 325	X
33152	Nonferrous metal foundries	1999.. 642 113	83 074	559 039	5
		1998.. 612 869	78 649	534 221	11
		1997.. 607 888	104 110	503 778	X
331521	Aluminum die-casting foundries	1999.. 217 082	30 637	186 445	9
		1998.. 229 187	35 208	193 979	14
		1997.. 222 846	42 936	179 910	X
331522	Nonferrous (except aluminum) die-casting foundries	1999.. 75 357	10 518	64 839	7
		1998.. 79 326	20 695	58 631	24
		1997.. 83 714	11 541	72 173	X
331524	Aluminum foundries (except die-casting)	1999.. 277 237	30 068	247 169	6
		1998.. 254 581	20 918	233 663	21
		1997.. 240 847	42 212	198 635	X
331525	Copper foundries (except die-casting)	1999.. 23 996	3 573	20 423	16
		1998.. 12 148	936	11 212	47
		1997.. 24 949	4 000	20 949	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
331	Primary metal mfg—Con.				
3315	Foundries—Con.				
33152	Nonferrous metal foundries—Con.				
331528	Other nonferrous foundries (except die-casting)	1999.. 48 441	8 278	40 163	25
		1998.. 37 628	892	36 736	27
		1997.. 35 532	3 421	32 111	X
332	Fabricated metal product mfg	1999.. 9 806 539	1 333 216	8 473 323	2
		1998.. 9 939 312	1 259 245	8 680 067	2
		1997.. 9 368 661	1 327 706	8 040 955	X
3321	Forging & stamping	1999.. 1 088 316	119 317	968 998	7
		1998.. 1 025 627	161 785	863 841	5
		1997.. 1 071 291	161 975	909 316	X
33211	Forging & stamping	1999.. 1 088 316	119 317	968 998	7
		1998.. 1 025 627	161 785	863 841	5
		1997.. 1 071 291	161 975	909 316	X
332111	Iron & steel forging	1999.. 178 393	16 059	162 334	3
		1998.. 195 279	14 914	180 365	13
		1997.. 209 964	23 670	186 294	X
332112	Nonferrous forging	1999.. 94 991	20 296	74 695	12
		1998.. 51 793	20 369	31 424	1
		1997.. 126 239	21 524	104 715	X
332114	Custom roll forming	1999.. 62 725	4 732	57 994	5
		1998.. 52 554	9 399	43 154	16
		1997.. 58 607	8 159	50 448	X
332115	Crown & closure mfg	1999.. 31 520	882	30 639	8
		1998.. 53 501	8 840	44 661	4
		1997.. 51 421	3 833	47 588	X
332116	Metal stamping	1999.. 563 953	62 592	501 361	5
		1998.. 586 788	97 564	489 224	7
		1997.. 544 083	94 561	449 522	X
332117	Powder metallurgy part mfg	1999.. 156 733	14 757	141 976	44
		1998.. 85 712	10 699	75 013	6
		1997.. 80 977	10 228	70 749	X
3322	Cutlery & handtool mfg	1999.. 580 183	72 094	508 089	6
		1998.. 681 570	38 021	643 549	9
		1997.. 539 985	47 045	492 940	X
33221	Cutlery & handtool mfg	1999.. 580 183	72 094	508 089	6
		1998.. 681 570	38 021	643 549	9
		1997.. 539 985	47 045	492 940	X
332211	Cutlery & flatware (except precious) mfg	1999.. 178 997	13 708	165 289	5
		1998.. 325 624	7 130	318 495	11
		1997.. 208 248	6 522	201 726	X
332212	Hand & edge tool mfg	1999.. 320 536	53 465	267 071	10
		1998.. 251 409	23 219	228 190	16
		1997.. 237 147	30 282	206 865	X
332213	Saw blade & handsaw mfg	1999.. 54 920	4 121	50 799	10
		1998.. 74 364	3 293	71 070	31
		1997.. 67 086	6 697	60 389	X
332214	Kitchen utensil, pot, & pan mfg	1999.. 25 730	799	24 930	30
		1998.. 30 174	4 379	25 795	20
		1997.. 27 504	3 544	23 960	X
3323	Architectural & structural metals mfg	1999.. 1 608 832	290 381	1 318 451	3
		1998.. 1 465 818	232 009	1 233 809	4
		1997.. 1 267 964	251 943	1 016 021	X
33231	Plate work & fabricated structural product mfg	1999.. 597 178	160 317	436 861	3
		1998.. 471 191	81 926	389 266	5
		1997.. 446 420	103 897	342 523	X
332311	Prefabricated metal building & component mfg	1999.. 101 804	25 325	76 479	6
		1998.. 91 257	10 672	80 585	15
		1997.. 71 652	15 995	55 657	X
332312	Fabricated structural metal mfg	1999.. 399 374	117 621	281 753	4
		1998.. 301 811	60 862	240 949	4
		1997.. 297 513	72 061	225 452	X
332313	Plate work mfg	1999.. 96 000	17 370	78 630	10
		1998.. 78 124	10 392	67 732	14
		1997.. 77 255	15 841	61 414	X
33232	Ornamental & architectural metal products mfg	1999.. 1 011 654	130 064	881 590	4
		1998.. 994 627	150 083	844 544	6
		1997.. 821 544	148 046	673 498	X
332321	Metal window & door mfg	1999.. 271 494	32 907	238 586	5
		1998.. 299 437	42 982	256 455	15
		1997.. 189 269	40 850	148 419	X
332322	Sheet metal work mfg	1999.. 604 644	72 996	531 648	6
		1998.. 573 032	91 325	481 707	7
		1997.. 533 363	92 334	441 029	X
332323	Ornamental & architectural metal work mfg	1999.. 135 516	24 161	111 355	9
		1998.. 122 157	15 776	106 381	11
		1997.. 98 912	14 862	84 050	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard
			(\$1,000)	(\$1,000)	(\$1,000)	error of estimate ¹ (percent) for column—
			A	B	C	A
332	Fabricated metal product mfg—Con.					
3324	Boiler, tank, & shipping container mfg	1999..	589 558	109 066	480 492	7
		1998..	603 102	81 300	521 802	7
		1997..	583 680	79 745	503 935	X
33241	Power boiler & heat exchanger mfg	1999..	135 639	53 039	82 600	30
		1998..	122 638	28 957	93 681	28
		1997..	99 835	18 362	81 473	X
332410	Power boiler & heat exchanger mfg	1999..	135 639	53 039	82 600	30
		1998..	122 638	28 957	93 681	28
		1997..	99 835	18 362	81 473	X
33242	Metal tank (heavy gauge) mfg	1999..	129 449	17 856	111 593	8
		1998..	125 843	21 483	104 360	12
		1997..	122 434	27 573	94 861	X
332420	Metal tank (heavy gauge) mfg	1999..	129 449	17 856	111 593	8
		1998..	125 843	21 483	104 360	12
		1997..	122 434	27 573	94 861	X
33243	Metal can, box, & other metal container (light gauge) mfg	1999..	324 470	38 172	286 299	4
		1998..	354 621	30 860	323 761	5
		1997..	361 411	33 810	327 601	X
332431	Metal can mfg	1999..	244 082	14 428	229 654	2
		1998..	271 140	18 281	252 860	1
		1997..	302 869	22 722	280 147	X
332439	Other metal container mfg	1999..	80 389	23 744	56 645	14
		1998..	83 481	12 579	70 902	20
		1997..	58 542	11 088	47 454	X
3325	Hardware mfg	1999..	339 912	23 617	316 295	5
		1998..	352 695	25 834	326 862	6
		1997..	383 483	52 944	330 539	X
33251	Hardware mfg	1999..	339 912	23 617	316 295	5
		1998..	352 695	25 834	326 862	6
		1997..	383 483	52 944	330 539	X
332510	Hardware mfg	1999..	339 912	23 617	316 295	5
		1998..	352 695	25 834	326 862	6
		1997..	383 483	52 944	330 539	X
3326	Spring & wire product mfg	1999..	348 102	42 579	305 523	4
		1998..	346 446	48 110	298 336	10
		1997..	341 324	63 680	277 644	X
33261	Spring & wire product mfg	1999..	348 102	42 579	305 523	4
		1998..	346 446	48 110	298 336	10
		1997..	341 324	63 680	277 644	X
332611	Spring (heavy gauge) mfg	1999..	37 130	7 682	29 448	16
		1998..	43 498	8 343	35 155	41
		1997..	49 756	10 330	39 426	X
332612	Spring (light gauge) mfg	1999..	130 845	12 921	117 923	8
		1998..	154 219	21 158	133 060	15
		1997..	109 228	16 221	93 007	X
332618	Other fabricated wire product mfg	1999..	180 127	21 975	158 152	5
		1998..	148 729	18 609	130 121	11
		1997..	182 340	37 129	145 211	X
3327	Machine shops, turned product, & screw, nut, & bolt mfg	1999..	2 683 821	270 762	2 413 059	4
		1998..	2 708 835	293 670	2 415 165	5
		1997..	2 527 260	289 159	2 238 101	X
33271	Machine shops	1999..	1 716 702	186 564	1 530 139	6
		1998..	1 704 551	188 007	1 516 544	7
		1997..	1 552 641	178 571	1 374 070	X
332710	Machine shops	1999..	1 716 702	186 564	1 530 139	6
		1998..	1 704 551	188 007	1 516 544	7
		1997..	1 552 641	178 571	1 374 070	X
33272	Turned product & screw, nut, & bolt mfg	1999..	967 119	84 198	882 920	5
		1998..	1 004 284	105 662	898 622	8
		1997..	974 619	110 588	864 031	X
332721	Precision turned product mfg	1999..	580 978	39 733	541 246	7
		1998..	652 674	82 546	570 128	11
		1997..	578 189	68 462	509 727	X
332722	Bolt, nut, screw, rivet, & washer mfg	1999..	386 140	44 466	341 675	6
		1998..	351 610	23 116	328 494	6
		1997..	396 430	42 126	354 304	X
3328	Coating, engraving, heat treating, & allied activities	1999..	890 744	168 737	722 007	7
		1998..	986 566	131 336	855 230	7
		1997..	899 847	143 754	756 093	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
332	Fabricated metal product mfg—Con.				
3328	Coating, engraving, heat treating, & allied activities—Con.				
33281	Coating, engraving, heat treating, & allied activities.....	1999.. 890 744	168 737	722 007	7
		1998.. 986 566	131 336	855 230	7
		1997.. 899 847	143 754	756 093	X
332811	Metal heat treating.....	1999.. 279 044	68 393	210 651	19
		1998.. 345 468	35 311	310 158	17
		1997.. 292 270	39 083	253 187	X
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1999.. 332 390	65 011	267 379	8
		1998.. 318 193	58 438	269 755	6
		1997.. 313 368	46 200	267 168	X
332813	Electroplating, plating, polishing, anodizing, & coloring	1999.. 279 310	35 334	243 976	7
		1998.. 312 905	37 587	275 318	11
		1997.. 294 209	58 471	235 738	X
3329	Other fabricated metal product mfg	1999.. 1 677 073	236 663	1 440 410	2
		1998.. 1 768 652	247 180	1 521 472	3
		1997.. 1 753 827	237 461	1 516 366	X
33291	Metal valve mfg	1999.. 691 268	108 995	582 273	4
		1998.. 758 579	123 819	634 761	7
		1997.. 756 074	111 586	644 488	X
332911	Industrial valve mfg	1999.. 297 767	37 533	260 234	9
		1998.. 336 126	50 617	285 509	10
		1997.. 317 610	50 086	267 524	X
332912	Fluid power valve & hose fitting mfg.....	1999.. 213 959	33 444	180 515	4
		1998.. 241 403	41 307	200 096	11
		1997.. 244 431	33 993	210 438	X
332913	Plumbing fixture fitting & trim mfg	1999.. 82 549	20 484	62 065	9
		1998.. 78 365	6 448	71 917	28
		1997.. 85 463	7 220	78 243	X
332919	Other metal valve & pipe fitting mfg	1999.. 96 993	17 533	79 459	8
		1998.. 102 685	25 446	77 238	9
		1997.. 108 570	20 287	88 283	X
33299	All other fabricated metal product mfg	1999.. 985 805	127 668	858 136	3
		1998.. 1 010 073	123 362	886 711	4
		1997.. 997 753	125 875	871 878	X
332991	Ball & roller bearing mfg	1999.. 289 048	26 499	262 549	5
		1998.. 330 986	39 816	291 170	6
		1997.. 309 041	35 669	273 372	X
332992	Small arms ammunition mfg	1999.. 33 884	4 605	29 279	3
		1998.. 20 406	2 299	18 107	1
		1997.. 26 740	2 564	24 176	X
332993	Ammunition (except small arms) mfg.....	1999.. 28 096	4 386	23 710	6
		1998.. 28 960	5 114	23 846	5
		1997.. 27 963	3 531	24 432	X
332994	Small arms mfg	1999.. 26 942	3 169	23 773	6
		1998.. 33 333	1 858	31 475	19
		1997.. 32 620	3 074	29 546	X
332995	Other ordnance & accessories mfg	1999.. 19 665	1 485	18 180	2
		1998.. 19 142	3 006	16 136	6
		1997.. 18 035	2 238	15 797	X
332996	Fabricated pipe & pipe fitting mfg	1999.. 113 168	10 822	102 346	6
		1998.. 147 541	20 174	127 367	9
		1997.. 146 922	25 452	121 470	X
332997	Industrial pattern mfg	1999.. 26 055	1 265	24 789	10
		1998.. 35 269	4 991	30 278	21
		1997.. 35 643	3 406	32 237	X
332998	Enameled iron & metal sanitary ware mfg.....	1999.. 39 232	8 358	30 873	3
		1998.. 42 965	3 343	39 622	1
		1997.. 53 323	3 975	49 348	X
332999	All other miscellaneous fabricated metal product mfg.....	1999.. 409 715	67 079	342 636	5
		1998.. 351 472	42 761	308 711	7
		1997.. 347 466	45 966	301 500	X
333	Machinery mfg	1999.. 9 444 105	1 639 421	7 804 684	2
		1998.. 9 527 555	1 725 118	7 802 437	2
		1997.. 8 835 703	1 666 492	7 169 211	X
3331	Agriculture, construction, & mining machinery mfg ..	1999.. 1 285 775	203 354	1 082 422	5
		1998.. 1 500 942	279 960	1 220 982	4
		1997.. 1 477 965	257 867	1 220 098	X
33311	Agricultural implement mfg	1999.. 489 271	61 217	428 054	4
		1998.. 677 242	123 453	553 789	9
		1997.. 693 333	114 158	579 175	X
333111	Farm machinery & equipment mfg	1999.. 358 586	55 226	303 361	6
		1998.. 439 579	54 050	385 529	5
		1997.. 508 933	88 904	420 029	X
333112	Lawn & garden tractor & home lawn & garden equipment mfg	1999.. 130 684	5 991	124 693	4
		1998.. 237 663	69 403	168 261	24
		1997.. 184 400	25 254	159 146	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
333	Machinery mfg—Con.				
3331	Agriculture, construction, & mining machinery mfg—Con.				
33312	Construction machinery mfg	1999.. 570 676	92 764	477 911	10
		1998.. 584 693	116 239	468 454	4
		1997.. 492 550	108 289	384 261	X
333120	Construction machinery mfg	1999.. 570 676	92 764	477 911	10
		1998.. 584 693	116 239	468 454	4
		1997.. 492 550	108 289	384 261	X
33313	Mining & oil & gas field machinery mfg	1999.. 225 829	49 373	176 456	7
		1998.. 239 007	40 268	198 739	5
		1997.. 292 082	35 420	256 662	X
333131	Mining machinery & equipment mfg	1999.. 62 527	8 953	53 574	12
		1998.. 40 462	5 019	35 443	7
		1997.. 62 942	11 460	51 482	X
333132	Oil & gas field machinery & equipment mfg	1999.. 163 302	40 420	122 882	9
		1998.. 198 544	35 249	163 295	6
		1997.. 229 140	23 960	205 180	X
3332	Industrial machinery mfg	1999.. 1 395 966	417 208	978 758	3
		1998.. 1 607 183	547 732	1 059 450	6
		1997.. 1 439 653	383 490	1 056 163	X
33321	Sawmill & woodworking machinery mfg.....	1999.. 40 611	5 929	34 682	10
		1998.. 35 043	2 910	32 133	19
		1997.. 18 078	2 426	15 652	X
333210	Sawmill & woodworking machinery mfg.....	1999.. 40 611	5 929	34 682	10
		1998.. 35 043	2 910	32 133	19
		1997.. 18 078	2 426	15 652	X
33322	Plastics & rubber industry machinery mfg	1999.. 114 355	28 123	86 232	16
		1998.. 91 385	9 201	82 184	23
		1997.. 92 781	19 802	72 979	X
333220	Plastics & rubber industry machinery mfg	1999.. 114 355	28 123	86 232	16
		1998.. 91 385	9 201	82 184	23
		1997.. 92 781	19 802	72 979	X
33329	Other industrial machinery mfg	1999.. 1 241 000	383 155	857 844	3
		1998.. 1 480 754	535 621	945 133	7
		1997.. 1 328 794	361 262	967 532	X
333291	Paper industry machinery mfg	1999.. 78 573	8 122	70 451	11
		1998.. 80 239	14 919	65 319	7
		1997.. 92 590	15 656	76 934	X
333292	Textile machinery mfg	1999.. 54 172	3 569	50 603	24
		1998.. 54 913	6 773	48 140	18
		1997.. 55 108	6 048	49 060	X
333293	Printing machinery & equipment mfg	1999.. 80 089	12 475	67 613	7
		1998.. 87 757	11 575	76 181	13
		1997.. 104 415	20 420	83 995	X
333294	Food product machinery mfg	1999.. 70 694	6 332	64 363	6
		1998.. 61 636	9 772	51 864	21
		1997.. 79 890	18 770	61 120	X
333295	Semiconductor machinery mfg	1999.. 660 941	298 433	362 508	2
		1998.. 980 608	451 832	528 777	9
		1997.. 683 608	238 567	445 041	X
333298	All other industrial machinery mfg.....	1999.. 296 531	54 225	242 306	10
		1998.. 215 601	40 749	174 852	17
		1997.. 313 183	61 801	251 382	X
3333	Commercial & service industry machinery mfg	1999.. 718 228	133 986	584 243	5
		1998.. 815 741	187 700	628 041	7
		1997.. 852 640	166 898	685 742	X
33331	Commercial & service industry machinery mfg ...	1999.. 718 228	133 986	584 243	5
		1998.. 815 741	187 700	628 041	7
		1997.. 852 640	166 898	685 742	X
333311	Automatic vending machine mfg.....	1999.. 48 678	8 053	40 625	14
		1998.. 24 158	3 823	20 334	5
		1997.. 31 938	7 448	24 490	X
333312	Commercial laundry, drycleaning, & pressing machine mfg.....	1999.. 36 590	4 120	32 470	21
		1998.. 45 291	5 531	39 760	1
		1997.. 4 212	282	3 930	X
333313	Office machinery mfg	1999.. 50 886	6 625	44 260	9
		1998.. 62 191	9 133	53 058	10
		1997.. 113 565	16 302	97 263	X
333314	Optical instrument & lens mfg	1999.. 204 809	36 419	168 390	15
		1998.. 173 134	40 591	132 543	7
		1997.. 172 152	26 351	145 801	X
333315	Photographic & photocopying equipment mfg ..	1999.. 130 412	20 112	110 300	5
		1998.. 241 866	61 260	180 605	21
		1997.. 281 641	56 897	224 744	X
333319	Other commercial & service industry machinery mfg	1999.. 246 854	58 656	188 198	5
		1998.. 269 102	67 361	201 741	8
		1997.. 249 132	59 618	189 514	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total (\$1,000)	Buildings and other structures (\$1,000)	Machinery and equipment (\$1,000)	Relative standard error of estimate ¹ (percent) for column—
					A
333	Machinery mfg—Con.				
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 265 924	162 383	1 103 542	13
	1998..	1 048 331	112 644	935 687	5
	1997..	780 414	146 182	634 232	X
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1 265 924	162 383	1 103 542	13
	1998..	1 048 331	112 644	935 687	5
	1997..	780 414	146 182	634 232	X
333411	Air purification equipment mfg	56 633	10 855	45 778	14
	1998..	94 167	29 391	64 776	38
	1997..	70 118	18 638	51 480	X
333412	Industrial & commercial fan & blower mfg	56 896	10 615	46 281	5
	1998..	49 644	8 877	40 766	16
	1997..	54 985	13 405	41 580	X
333414	Heating equipment (except warm air furnaces) mfg	331 836	13 440	318 396	47
	1998..	273 737	23 681	250 056	8
	1997..	89 555	20 412	69 143	X
333415	AC & warm air heating & commercial/industrial refriger equip mfg	820 559	127 472	693 087	3
	1998..	630 783	50 695	580 089	4
	1997..	565 756	93 727	472 029	X
3335	Metalworking machinery mfg	1 570 762	203 826	1 366 936	4
	1998..	1 596 384	212 619	1 383 765	4
	1997..	1 464 396	228 867	1 235 529	X
33351	Metalworking machinery mfg	1 570 762	203 826	1 366 936	4
	1998..	1 596 384	212 619	1 383 765	4
	1997..	1 464 396	228 867	1 235 529	X
333511	Industrial mold mfg	393 881	43 297	350 584	10
	1998..	371 366	27 039	344 327	13
	1997..	357 109	37 768	319 341	X
333512	Machine tool (metal cutting types) mfg	183 693	26 315	157 379	9
	1998..	224 532	29 011	195 522	10
	1997..	142 228	46 425	95 803	X
333513	Machine tool (metal forming types) mfg	68 320	21 060	47 260	14
	1998..	102 898	44 515	58 384	12
	1997..	92 014	29 850	62 164	X
333514	Special die & tool, die set, jig, & fixture mfg	541 569	54 554	487 015	8
	1998..	500 909	66 110	434 800	6
	1997..	500 675	64 462	436 213	X
333515	Cutting tool & machine tool accessory mfg	298 076	38 433	259 642	6
	1998..	301 136	29 096	272 040	10
	1997..	275 851	30 516	245 335	X
333516	Rolling mill machinery & equipment mfg	11 500	1 056	10 444	8
	1998..	13 766	1 562	12 204	21
	1997..	17 278	2 236	15 042	X
333518	Other metalworking machinery mfg	73 722	19 110	54 613	10
	1998..	81 776	15 288	66 488	12
	1997..	79 241	17 610	61 631	X
3336	Engine, turbine, & power transmission equipment mfg	1 344 491	112 163	1 232 328	5
	1998..	1 192 270	82 535	1 109 736	1
	1997..	1 056 406	146 808	909 598	X
33361	Engine, turbine, & power transmission equipment mfg	1 344 491	112 163	1 232 328	5
	1998..	1 192 270	82 535	1 109 736	1
	1997..	1 056 406	146 808	909 598	X
333611	Turbine & turbine generator set unit mfg	310 006	27 575	282 430	20
	1998..	305 890	26 002	279 888	2
	1997..	177 434	16 832	160 602	X
333612	Speed changer, industrial high-speed drive, & gear mfg	96 298	11 444	84 854	9
	1998..	85 251	8 089	77 162	10
	1997..	116 178	14 582	101 596	X
333613	Mechanical power transmission equipment mfg	152 679	12 910	139 769	15
	1998..	119 315	10 988	108 327	5
	1997..	132 116	22 244	109 872	X
333618	Other engine equipment mfg	785 509	60 234	725 275	3
	1998..	681 814	37 456	644 359	1
	1997..	630 678	93 150	537 528	X
3339	Other general-purpose machinery mfg	1 862 958	406 502	1 456 456	2
	1998..	1 766 704	301 928	1 464 776	4
	1997..	1 764 229	336 380	1 427 849	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
333	Machinery mfg—Con.				
3339	Other general-purpose machinery mfg—Con.				
33391	Pump & compressor mfg	1999.. 437 907	56 114	381 793	3
		1998.. 448 763	50 599	398 164	13
		1997.. 389 341	57 859	331 482	X
333911	Pump & pumping equipment mfg	1999.. 191 226	35 396	155 830	6
		1998.. 227 359	24 797	202 563	8
		1997.. 187 479	18 550	168 929	X
333912	Air & gas compressor mfg	1999.. 206 256	12 612	193 644	3
		1998.. 192 160	22 902	169 258	28
		1997.. 169 494	37 139	132 355	X
333913	Measuring & dispensing pump mfg	1999.. 40 425	8 106	32 319	3
		1998.. 29 243	2 901	26 343	9
		1997.. 32 368	2 170	30 198	X
33392	Material handling equipment mfg	1999.. 443 916	158 451	285 465	4
		1998.. 341 935	95 476	246 459	6
		1997.. 415 238	118 554	296 684	X
333921	Elevator & moving stairway mfg	1999.. 44 616	20 447	24 169	7
		1998.. 50 463	20 893	29 571	6
		1997.. 40 247	9 778	30 469	X
333922	Conveyor & conveying equipment mfg	1999.. 168 136	67 928	100 208	7
		1998.. 125 220	36 471	88 750	13
		1997.. 149 846	44 901	104 945	X
333923	Overhead traveling crane, hoist, & monorail system mfg	1999.. 104 574	40 984	63 589	7
		1998.. 62 494	16 983	45 511	7
		1997.. 85 247	26 721	58 526	X
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	1999.. 126 591	29 092	97 499	5
		1998.. 103 758	21 130	82 628	9
		1997.. 139 898	37 154	102 744	X
33399	All other general-purpose machinery mfg	1999.. 981 135	191 937	789 198	4
		1998.. 976 006	155 853	820 153	4
		1997.. 959 650	159 967	799 683	X
333991	Power-driven handtool mfg	1999.. 109 124	5 561	103 563	4
		1998.. 100 504	10 655	89 849	1
		1997.. 129 232	18 484	110 748	X
333992	Welding & soldering equipment mfg	1999.. 70 697	8 769	61 929	11
		1998.. 83 873	12 432	71 441	3
		1997.. 122 871	23 279	99 592	X
333993	Packaging machinery mfg	1999.. 91 237	21 644	69 594	7
		1998.. 113 234	19 818	93 416	13
		1997.. 122 256	22 953	99 303	X
333994	Industrial process furnace & oven mfg	1999.. 92 261	33 403	58 859	13
		1998.. 46 774	4 194	42 580	21
		1997.. 65 381	17 045	48 336	X
333995	Fluid power cylinder & actuator mfg	1999.. 153 961	24 298	129 663	4
		1998.. 158 487	30 935	127 552	19
		1997.. 111 723	9 935	101 788	X
333996	Fluid power pump & motor mfg	1999.. 115 596	11 661	103 935	10
		1998.. 143 708	11 509	132 199	14
		1997.. 112 115	20 875	91 240	X
333997	Scale & balance (except laboratory) mfg	1999.. 21 258	4 463	16 795	21
		1998.. 29 688	8 203	21 485	38
		1997.. 10 804	1 413	9 391	X
333999	All other miscellaneous general-purpose machinery mfg	1999.. 327 000	82 139	244 861	8
		1998.. 299 739	58 108	241 631	4
		1997.. 285 268	45 983	239 285	X
334	Computer & electronic product mfg	1999.. 21 530 976	3 476 460	18 054 516	1
		1998.. 22 804 697	4 294 627	18 510 070	2
		1997.. 24 768 490	4 416 765	20 351 725	X
3341	Computer & peripheral equipment mfg	1999.. 2 917 109	576 431	2 340 678	4
		1998.. 3 389 122	568 259	2 820 863	1
		1997.. 3 455 102	601 307	2 853 795	X
33411	Computer & peripheral equipment mfg	1999.. 2 917 109	576 431	2 340 678	4
		1998.. 3 389 122	568 259	2 820 863	1
		1997.. 3 455 102	601 307	2 853 795	X
334111	Electronic computer mfg	1999.. 936 570	280 701	655 869	1
		1998.. 696 178	261 374	434 804	1
		1997.. 1 065 684	140 245	925 439	X
334112	Computer storage device mfg	1999.. 912 164	156 739	755 425	2
		1998.. 1 200 602	173 608	1 026 994	1
		1997.. 1 386 644	322 025	1 064 619	X
334113	Computer terminal mfg	1999.. 62 830	1 596	61 234	57
		1998.. 30 697	1 762	28 935	14
		1997.. 34 716	6 287	28 429	X
334119	Other computer peripheral equipment mfg	1999.. 1 005 545	137 395	868 149	10
		1998.. 1 461 646	131 516	1 330 130	3
		1997.. 968 058	132 750	835 308	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total (\$1,000)	Buildings and other structures (\$1,000)	Machinery and equipment (\$1,000)	Relative standard error of estimate ¹ (percent) for column—
					A
334	Computer & electronic product mfg—Con.				
3342	Communications equipment mfg	1999.. 3 091 899	404 901	2 686 998	3
		1998.. 3 304 255	665 545	2 638 710	8
		1997.. 3 210 281	546 008	2 664 273	X
33421	Telephone apparatus mfg	1999.. 1 574 169	216 829	1 357 340	4
		1998.. 1 329 885	383 592	946 293	1
		1997.. 1 220 355	188 818	1 031 537	X
334210	Telephone apparatus mfg	1999.. 1 574 169	216 829	1 357 340	4
		1998.. 1 329 885	383 592	946 293	1
		1997.. 1 220 355	188 818	1 031 537	X
33422	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 1 363 647	174 605	1 189 041	4
		1998.. 1 749 425	266 937	1 482 488	15
		1997.. 1 841 106	324 453	1 516 653	X
334220	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 1 363 647	174 605	1 189 041	4
		1998.. 1 749 425	266 937	1 482 488	15
		1997.. 1 841 106	324 453	1 516 653	X
33429	Other communications equipment mfg	1999.. 154 084	13 467	140 617	6
		1998.. 224 945	15 016	209 929	6
		1997.. 148 820	32 737	116 083	X
334290	Other communications equipment mfg	1999.. 154 084	13 467	140 617	6
		1998.. 224 945	15 016	209 929	6
		1997.. 148 820	32 737	116 083	X
3343	Audio & video equipment mfg	1999.. 175 826	20 776	155 050	6
		1998.. 167 144	20 836	146 309	8
		1997.. 207 897	57 272	150 625	X
33431	Audio & video equipment mfg	1999.. 175 826	20 776	155 050	6
		1998.. 167 144	20 836	146 309	8
		1997.. 207 897	57 272	150 625	X
334310	Audio & video equipment mfg	1999.. 175 826	20 776	155 050	6
		1998.. 167 144	20 836	146 309	8
		1997.. 207 897	57 272	150 625	X
3344	Semiconductor & other electronic component mfg ..	1999.. 11 458 589	1 785 779	9 672 810	2
		1998.. 11 779 277	2 389 201	9 390 076	2
		1997.. 14 033 279	2 516 667	11 516 612	X
33441	Semiconductor & other electronic component mfg	1999.. 11 458 589	1 785 779	9 672 810	2
		1998.. 11 779 277	2 389 201	9 390 076	2
		1997.. 14 033 279	2 516 667	11 516 612	X
334411	Electron tube mfg	1999.. 106 242	36 401	69 841	1
		1998.. 121 733	13 023	108 710	4
		1997.. 159 621	48 853	110 768	X
334412	Bare printed circuit board mfg	1999.. 679 291	102 376	576 915	8
		1998.. 747 589	95 181	652 408	15
		1997.. 609 125	107 308	501 817	X
334413	Semiconductor & related device mfg	1999.. 9 202 145	1 446 862	7 755 284	2
		1998.. 9 267 530	2 047 393	7 220 137	2
		1997.. 11 531 803	2 127 957	9 403 846	X
334414	Electronic capacitor mfg	1999.. 122 118	9 095	113 022	13
		1998.. 158 673	15 161	143 512	11
		1997.. 127 856	17 099	110 757	X
334415	Electronic resistor mfg	1999.. 35 319	1 560	33 759	8
		1998.. 58 128	3 926	54 202	10
		1997.. 55 435	6 875	48 560	X
334416	Electronic coil, transformer, & other inductor mfg	1999.. 50 538	9 433	41 105	11
		1998.. 58 130	12 539	45 591	12
		1997.. 36 859	6 012	30 847	X
334417	Electronic connector mfg	1999.. 233 960	19 968	213 991	12
		1998.. 338 160	47 946	290 214	9
		1997.. 233 327	23 790	209 537	X
334418	Printed circuit assembly (electronic assembly) mfg	1999.. 657 294	129 619	527 676	6
		1998.. 706 571	120 447	586 124	7
		1997.. 862 227	131 744	730 483	X
334419	Other electronic component mfg	1999.. 371 683	30 465	341 218	5
		1998.. 322 762	33 584	289 178	3
		1997.. 417 026	47 029	369 997	X
3345	Navigational, measuring, medical, & control instruments mfg	1999.. 3 106 386	597 870	2 508 517	2
		1998.. 3 395 508	565 183	2 830 325	4
		1997.. 3 005 990	569 474	2 436 516	X
33451	Navigational, measuring, medical, & control instruments mfg	1999.. 3 106 386	597 870	2 508 517	2
		1998.. 3 395 508	565 183	2 830 325	4
		1997.. 3 005 990	569 474	2 436 516	X
334510	Electromedical & electrotherapeutic apparatus mfg	1999.. 368 209	75 419	292 790	5
		1998.. 440 843	72 321	368 522	12
		1997.. 432 245	78 726	353 519	X
334511	Search, detection, navigation, & guidance instrument mfg	1999.. 1 015 299	156 236	859 063	2
		1998.. 1 158 007	194 338	963 669	10
		1997.. 1 021 048	186 724	834 324	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
334	Computer & electronic product mfg—Con.				
3345	Navigational, measuring, medical, & control instruments mfg—Con.				
33451	Navigational, measuring, medical, & control instruments mfg—Con.				
334512	Automatic environmental control mfg	1999.. 87 251	5 785	81 466	4
		1998.. 115 185	11 954	103 231	7
		1997.. 114 952	11 523	103 429	X
334513	Industrial process control instrument mfg	1999.. 216 098	41 439	174 659	7
		1998.. 305 734	37 307	268 427	8
		1997.. 208 434	33 144	175 290	X
334514	Totalizing fluid meter & counting device mfg	1999.. 121 642	7 807	113 835	7
		1998.. 131 307	12 466	118 841	6
		1997.. 116 807	11 228	105 579	X
334515	Electricity measuring & testing instrument mfg	1999.. 671 657	162 085	509 571	2
		1998.. 647 572	132 528	515 044	4
		1997.. 667 632	165 244	502 388	X
334516	Analytical laboratory instrument mfg	1999.. 307 759	66 108	241 651	14
		1998.. 329 347	59 146	270 200	3
		1997.. 207 449	44 868	162 581	X
334517	Irradiation apparatus mfg	1999.. 121 014	32 302	88 712	10
		1998.. 72 170	4 721	67 449	1
		1997.. 75 942	8 710	67 232	X
334518	Watch, clock, & part mfg	1999.. 37 758	7 682	30 076	6
		1998.. 30 855	6 492	24 363	11
		1997.. 26 215	4 792	21 423	X
334519	Other measuring & controlling device mfg	1999.. 159 698	43 005	116 693	11
		1998.. 164 489	33 911	130 579	7
		1997.. 135 266	24 515	110 751	X
3346	Mfg & reproducing magnetic & optical media	1999.. 781 166	90 703	690 463	7
		1998.. 769 391	85 603	683 788	5
		1997.. 855 941	126 037	729 904	X
33461	Mfg & reproducing magnetic & optical media	1999.. 781 166	90 703	690 463	7
		1998.. 769 391	85 603	683 788	5
		1997.. 855 941	126 037	729 904	X
334611	Software reproducing	1999.. 94 339	7 651	86 688	17
		1998.. 104 733	5 036	99 697	25
		1997.. 133 552	13 050	120 502	X
334612	Prerecorded CD (except software), tape, & record reproducing	1999.. 374 698	46 543	328 155	13
		1998.. 353 222	41 626	311 596	7
		1997.. 282 507	33 232	249 275	X
334613	Magnetic & optical recording media mfg	1999.. 312 129	36 509	275 620	4
		1998.. 311 435	38 940	272 495	2
		1997.. 439 882	79 755	360 127	X
335	Electrical equipment, appliance, & component mfg	1999.. 3 682 891	499 035	3 183 856	2
		1998.. 4 012 230	637 653	3 374 577	3
		1997.. 3 598 750	650 198	2 948 552	X
3351	Electric lighting equipment mfg	1999.. 392 970	82 767	310 203	6
		1998.. 404 994	46 513	358 481	10
		1997.. 406 549	74 995	331 554	X
33511	Electric lamp bulb & part mfg	1999.. 85 221	3 404	81 816	9
		1998.. 143 941	2 611	141 330	5
		1997.. 173 922	17 354	156 568	X
335110	Electric lamp bulb & part mfg	1999.. 85 221	3 404	81 816	9
		1998.. 143 941	2 611	141 330	5
		1997.. 173 922	17 354	156 568	X
33512	Lighting fixture mfg	1999.. 307 750	79 363	228 387	7
		1998.. 261 053	43 902	217 151	15
		1997.. 232 627	57 641	174 986	X
335121	Residential electric lighting fixture mfg	1999.. 95 440	15 404	80 036	12
		1998.. 115 952	13 011	102 941	30
		1997.. 59 419	10 648	48 771	X
335122	Commercial/industrial/institutional electric lighting fixture mfg	1999.. 102 466	33 044	69 422	10
		1998.. 55 363	7 554	47 808	7
		1997.. 96 057	32 939	63 118	X
335129	Other lighting equipment mfg	1999.. 109 844	30 915	78 929	15
		1998.. 89 738	23 336	66 402	23
		1997.. 77 151	14 054	63 097	X
3352	Household appliance mfg	1999.. 568 845	64 605	504 240	2
		1998.. 650 523	74 044	576 479	14
		1997.. 501 700	63 386	438 314	X
33521	Small electrical appliance mfg	1999.. 130 854	11 670	119 184	5
		1998.. 174 930	8 123	166 806	27
		1997.. 171 302	30 392	140 910	X
335211	Electric housewares & household fan mfg	1999.. 58 879	5 513	53 366	9
		1998.. 92 631	3 195	89 436	50
		1997.. 85 862	5 923	79 939	X
335212	Household vacuum cleaner mfg	1999.. 71 975	6 157	65 818	3
		1998.. 82 299	4 929	77 370	3
		1997.. 85 440	24 469	60 971	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	A
		A	B	C	A
335	Electrical equipment, appliance, & component mfg—Con.				
3352	Household appliance mfg—Con.				
33522	Major appliance mfg	1999.. 437 991	52 934	385 057	2
		1998.. 475 593	65 921	409 673	16
		1997.. 330 398	32 994	297 404	X
335221	Household cooking appliance mfg	1999.. 122 519	18 075	104 444	3
		1998.. 214 299	38 291	176 008	35
		1997.. 135 343	21 886	113 457	X
335222	Household refrigerator & home freezer mfg	1999.. 130 013	10 940	119 073	1
		1998.. 108 540	6 794	101 747	2
		1997.. 92 679	5 121	87 558	X
335224	Household laundry equipment mfg	1999.. 99 862	6 821	93 041	1
		1998.. 84 598	4 935	79 663	2
		1997.. 37 355	2 901	34 454	X
335228	Other major household appliance mfg	1999.. 85 597	17 099	68 498	11
		1998.. 68 156	15 901	52 255	1
		1997.. 65 021	3 086	61 935	X
3353	Electrical equipment mfg	1999.. 844 165	96 626	747 539	2
		1998.. 1 158 368	181 669	976 699	7
		1997.. 988 597	177 096	811 501	X
33531	Electrical equipment mfg	1999.. 844 165	96 626	747 539	2
		1998.. 1 158 368	181 669	976 699	7
		1997.. 988 597	177 096	811 501	X
335311	Power, distribution, & specialty transformer mfg	1999.. 98 853	12 192	86 661	4
		1998.. 140 889	21 597	119 292	24
		1997.. 131 848	31 048	100 800	X
335312	Motor & generator mfg	1999.. 285 746	22 574	263 172	4
		1998.. 393 660	28 871	364 790	8
		1997.. 322 255	36 837	285 418	X
335313	Switchgear & switchboard apparatus mfg	1999.. 175 428	10 616	164 812	3
		1998.. 206 397	18 031	188 366	2
		1997.. 195 408	36 790	158 618	X
335314	Relay & industrial control mfg	1999.. 284 138	51 244	232 894	5
		1998.. 417 421	113 171	304 251	14
		1997.. 339 086	72 421	266 665	X
3359	Other electrical equipment & component mfg	1999.. 1 876 911	255 037	1 621 874	3
		1998.. 1 798 346	335 428	1 462 918	2
		1997.. 1 701 904	334 721	1 367 183	X
33591	Battery mfg	1999.. 338 483	48 067	290 416	4
		1998.. 237 795	30 698	207 097	1
		1997.. 301 863	86 837	215 026	X
335911	Storage battery mfg	1999.. 193 009	25 187	167 822	7
		1998.. 121 576	14 925	106 651	3
		1997.. 171 670	62 393	109 277	X
335912	Primary battery mfg	1999.. 145 474	22 880	122 594	4
		1998.. 116 219	15 773	100 446	1
		1997.. 130 193	24 444	105 749	X
33592	Communication & energy wire & cable mfg	1999.. 852 283	114 778	737 505	6
		1998.. 754 197	170 935	583 262	3
		1997.. 608 850	108 407	500 443	X
335921	Fiber optic cable mfg	1999.. 361 322	55 610	305 712	13
		1998.. 305 567	106 980	198 587	1
		1997.. 192 201	27 194	165 007	X
335929	Other communication & energy wire mfg	1999.. 490 961	59 168	431 793	6
		1998.. 448 629	63 954	384 675	6
		1997.. 416 649	81 213	335 436	X
33593	Wiring device mfg	1999.. 389 901	44 510	345 391	5
		1998.. 380 541	70 430	310 111	5
		1997.. 380 729	55 033	325 696	X
335931	Current-carrying wiring device mfg	1999.. 247 785	18 500	229 285	8
		1998.. 239 322	41 991	197 331	6
		1997.. 219 293	35 755	183 538	X
335932	Noncurrent-carrying wiring device mfg	1999.. 142 116	26 010	116 106	4
		1998.. 141 218	28 439	112 780	6
		1997.. 161 436	19 278	142 158	X
33599	All other electrical equipment & component mfg ..	1999.. 296 243	47 681	248 562	5
		1998.. 425 813	63 365	362 448	7
		1997.. 410 462	84 444	326 018	X
335991	Carbon & graphite product mfg	1999.. 90 524	12 926	77 598	6
		1998.. 141 539	14 862	126 677	7
		1997.. 179 043	32 267	146 776	X
335999	All other miscellaneous electrical equipment & component mfg	1999.. 205 719	34 755	170 964	6
		1998.. 284 274	48 503	235 771	10
		1997.. 231 419	52 177	179 242	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	
			A	B	C	A
336	Transportation equipment mfg	1999..	18 991 612	2 921 100	16 070 513	1
		1998..	20 052 505	2 369 085	17 683 421	1
		1997..	19 251 148	2 662 948	16 588 200	X
3361	Motor vehicle mfg	1999..	4 764 513	758 686	4 005 827	1
		1998..	5 383 772	504 606	4 879 166	1
		1997..	5 406 609	525 445	4 881 164	X
33611	Automobile & light duty motor vehicle mfg	1999..	4 525 634	685 378	3 840 256	1
		1998..	5 252 299	462 823	4 789 476	1
		1997..	5 276 317	499 489	4 776 828	X
336111	Automobile mfg	1999..	2 030 542	281 104	1 749 438	1
		1998..	3 173 617	219 702	2 953 915	1
		1997..	3 506 831	269 252	3 237 579	X
336112	Light truck & utility vehicle mfg	1999..	2 495 092	404 274	2 090 818	1
		1998..	2 078 682	243 121	1 835 561	1
		1997..	1 769 486	230 237	1 539 249	X
33612	Heavy duty truck mfg	1999..	238 879	73 307	165 571	1
		1998..	131 474	41 783	89 691	1
		1997..	130 292	25 956	104 336	X
336120	Heavy duty truck mfg	1999..	238 879	73 307	165 571	1
		1998..	131 474	41 783	89 691	1
		1997..	130 292	25 956	104 336	X
3362	Motor vehicle body & trailer mfg	1999..	462 114	144 086	318 028	4
		1998..	377 752	114 916	262 837	6
		1997..	441 084	140 498	300 586	X
33621	Motor vehicle body & trailer mfg	1999..	462 114	144 086	318 028	4
		1998..	377 752	114 916	262 837	6
		1997..	441 084	140 498	300 586	X
336211	Motor vehicle body mfg	1999..	160 601	44 873	115 728	8
		1998..	135 995	23 065	112 931	12
		1997..	228 212	63 323	164 889	X
336212	Truck trailer mfg	1999..	157 485	46 110	111 375	5
		1998..	139 051	49 877	89 174	10
		1997..	89 524	20 731	68 793	X
336213	Motor home mfg.....	1999..	42 480	14 744	27 737	15
		1998..	32 393	10 900	21 493	6
		1997..	50 170	25 075	25 095	X
336214	Travel trailer & camper mfg	1999..	101 548	38 359	63 189	9
		1998..	70 313	31 074	39 239	16
		1997..	73 178	31 369	41 809	X
3363	Motor vehicle parts mfg	1999..	9 438 536	751 233	8 687 303	2
		1998..	9 830 802	975 261	9 073 541	1
		1997..	9 489 436	906 462	8 582 974	X
33631	Motor vehicle gasoline engine & engine parts mfg	1999..	1 463 179	88 171	1 375 008	3
		1998..	1 798 421	126 132	1 672 289	1
		1997..	1 962 556	206 197	1 756 359	X
336311	Carburetor, piston, piston ring, & valve mfg	1999..	199 886	7 943	191 943	8
		1998..	199 256	7 777	191 479	7
		1997..	180 295	12 242	168 053	X
336312	Gasoline engine & engine parts mfg	1999..	1 263 293	80 228	1 183 065	3
		1998..	1 599 164	118 355	1 480 810	1
		1997..	1 782 261	193 955	1 588 306	X
33632	Motor vehicle electrical & electronic equipment mfg	1999..	776 552	72 944	703 608	8
		1998..	832 244	51 967	780 276	3
		1997..	909 229	76 077	833 152	X
336321	Vehicular lighting equipment mfg	1999..	94 725	11 834	82 890	7
		1998..	117 262	9 637	107 625	2
		1997..	169 380	10 964	158 416	X
336322	Other motor vehicle electrical & electronic equipment mfg	1999..	681 827	61 109	620 718	10
		1998..	714 981	42 330	672 651	3
		1997..	739 849	65 113	674 736	X
33633	Motor vehicle steering & suspension component (except spring) mfg	1999..	550 175	51 081	499 094	9
		1998..	583 414	33 023	550 391	3
		1997..	551 299	29 746	521 553	X
336330	Motor vehicle steering & suspension component (except spring) mfg.....	1999..	550 175	51 081	499 094	9
		1998..	583 414	33 023	550 391	3
		1997..	551 299	29 746	521 553	X
33634	Motor vehicle brake system mfg	1999..	407 676	39 673	368 002	4
		1998..	505 226	35 420	469 806	5
		1997..	484 338	52 738	431 600	X
336340	Motor vehicle brake system mfg	1999..	407 676	39 673	368 002	4
		1998..	505 226	35 420	469 806	5
		1997..	484 338	52 738	431 600	X
33635	Motor vehicle transmission & power train parts mfg	1999..	1 924 880	97 526	1 827 354	2
		1998..	2 247 349	86 111	2 161 238	4
		1997..	1 876 751	101 797	1 774 954	X
336350	Motor vehicle transmission & power train parts mfg	1999..	1 924 880	97 526	1 827 354	2
		1998..	2 247 349	86 111	2 161 238	4
		1997..	1 876 751	101 797	1 774 954	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total (\$1,000)	Buildings and other structures (\$1,000)	Machinery and equipment (\$1,000)	Relative standard error of estimate ¹ (percent) for column—
					A
336	Transportation equipment mfg—Con.				
3363	Motor vehicle parts mfg—Con.				
33636	Motor vehicle seating & interior trim mfg	1999.. 351 421	42 267	309 154	7
		1998.. 332 998	44 280	288 718	6
		1997.. 310 711	37 170	273 541	X
336360	Motor vehicle seating & interior trim mfg	1999.. 351 421	42 267	309 154	7
		1998.. 332 998	44 280	288 718	6
		1997.. 310 711	37 170	273 541	X
33637	Motor vehicle metal stamping	1999.. 1 591 936	143 276	1 448 660	4
		1998.. 1 382 363	150 219	1 232 145	3
		1997.. 1 515 648	142 136	1 373 512	X
336370	Motor vehicle metal stamping	1999.. 1 591 936	143 276	1 448 660	4
		1998.. 1 382 363	150 219	1 232 145	3
		1997.. 1 515 648	142 136	1 373 512	X
33639	Other motor vehicle parts mfg	1999.. 2 372 717	216 295	2 156 423	6
		1998.. 2 148 787	230 108	1 918 679	3
		1997.. 1 878 904	260 601	1 618 303	X
336391	Motor vehicle air-conditioning mfg	1999.. 359 629	28 556	331 073	3
		1998.. 259 407	25 765	233 642	3
		1997.. 188 566	15 255	173 311	X
336399	All other motor vehicle parts mfg	1999.. 2 013 089	187 739	1 825 350	7
		1998.. 1 889 380	204 343	1 685 037	4
		1997.. 1 690 338	245 346	1 444 992	X
3364	Aerospace product & parts mfg	1999.. 3 351 293	968 810	2 382 482	2
		1998.. 3 477 012	822 340	2 654 672	2
		1997.. 3 132 055	892 757	2 239 298	X
33641	Aerospace product & parts mfg	1999.. 3 351 293	968 810	2 382 482	2
		1998.. 3 477 012	822 340	2 654 672	2
		1997.. 3 132 055	892 757	2 239 298	X
336411	Aircraft mfg	1999.. 752 655	242 509	510 145	1
		1998.. 904 433	305 901	598 532	3
		1997.. 774 858	348 942	425 916	X
336412	Aircraft engine & engine parts mfg	1999.. 746 876	98 790	648 086	3
		1998.. 733 431	74 247	659 184	2
		1997.. 679 800	80 170	599 630	X
336413	Other aircraft part & auxiliary equipment mfg	1999.. 750 458	164 570	585 888	6
		1998.. 975 201	154 826	820 375	6
		1997.. 925 054	186 247	738 807	X
336414	Guided missile & space vehicle mfg	1999.. 906 433	421 774	484 659	1
		1998.. 700 155	260 963	439 192	1
		1997.. 634 227	250 228	383 999	X
336415	Guided missile & space vehicle propulsion unit & parts mfg	1999.. 172 063	37 152	134 911	1
		1998.. 124 765	20 756	104 009	1
		1997.. 89 321	21 982	67 339	X
336419	Other guided missile & space vehicle parts & auxiliary equip mfg	1999.. 22 809	4 015	18 794	1
		1998.. 39 028	5 648	33 380	2
		1997.. 28 795	5 188	23 607	X
3365	Railroad rolling stock mfg	1999.. 218 940	41 170	177 770	3
		1998.. 201 617	30 606	171 011	1
		1997.. 197 174	22 488	174 686	X
33651	Railroad rolling stock mfg	1999.. 218 940	41 170	177 770	3
		1998.. 201 617	30 606	171 011	1
		1997.. 197 174	22 488	174 686	X
336510	Railroad rolling stock mfg	1999.. 218 940	41 170	177 770	3
		1998.. 201 617	30 606	171 011	1
		1997.. 197 174	22 488	174 686	X
3366	Ship & boat building	1999.. 515 234	233 428	281 806	4
		1998.. 511 735	105 773	405 962	3
		1997.. 365 644	126 008	239 636	X
33661	Ship & boat building	1999.. 515 234	233 428	281 806	4
		1998.. 511 735	105 773	405 962	3
		1997.. 365 644	126 008	239 636	X
336611	Ship building & repairing	1999.. 284 234	155 106	129 128	3
		1998.. 248 780	85 198	163 582	4
		1997.. 243 713	92 929	150 784	X
336612	Boat building	1999.. 231 000	78 322	152 677	9
		1998.. 262 955	20 575	242 380	3
		1997.. 121 931	33 079	88 852	X
3369	Other transportation equipment mfg	1999.. 240 982	23 687	217 296	4
		1998.. 269 815	33 584	236 231	5
		1997.. 219 146	49 290	169 856	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total (\$1,000)	Buildings and other structures (\$1,000)	Machinery and equipment (\$1,000)	Relative standard error of estimate ¹ (percent) for column—
					A
336	Transportation equipment mfg—Con.				
3369	Other transportation equipment mfg—Con.				
33699	Other transportation equipment mfg.....	1999.. 240 982	23 687	217 296	4
		1998.. 269 815	33 584	236 231	5
		1997.. 219 146	49 290	169 856	X
336991	Motorcycle, bicycle, & parts mfg.....	1999.. 117 213	7 243	109 971	7
		1998.. 131 758	9 607	122 151	9
		1997.. 104 621	19 512	85 109	X
336992	Military armored vehicle, tank, & tank component mfg.....	1999.. 17 075	3 392	13 683	2
		1998.. 15 735	5 006	10 729	10
		1997.. 17 298	6 000	11 298	X
336999	All other transportation equipment mfg.....	1999.. 106 694	13 052	93 642	6
		1998.. 122 322	18 970	103 352	5
		1997.. 97 227	23 778	73 449	X
337	Furniture & related product mfg.....	1999.. 2 172 131	545 615	1 626 516	3
		1998.. 1 917 153	459 139	1 458 014	4
		1997.. 1 744 608	373 001	1 371 607	X
3371	Household & institutional furniture & kitchen cabinet mfg.....	1999.. 1 114 885	336 881	778 004	5
		1998.. 880 485	206 866	673 619	4
		1997.. 865 458	202 037	663 421	X
33711	Wood kitchen cabinet & counter top mfg.....	1999.. 371 643	97 021	274 622	6
		1998.. 243 012	56 179	186 833	5
		1997.. 248 242	55 287	192 955	X
337110	Wood kitchen cabinet & counter top mfg.....	1999.. 371 643	97 021	274 622	6
		1998.. 243 012	56 179	186 833	5
		1997.. 248 242	55 287	192 955	X
33712	Household & institutional furniture mfg.....	1999.. 743 242	239 860	503 382	7
		1998.. 637 473	150 687	486 786	5
		1997.. 617 216	146 750	470 466	X
337121	Upholstered household furniture mfg.....	1999.. 172 131	77 880	94 251	10
		1998.. 108 517	35 551	72 967	8
		1997.. 104 829	33 400	71 429	X
337122	Nonupholstered wood household furniture mfg.....	1999.. 339 090	117 432	221 659	13
		1998.. 274 012	56 383	217 629	6
		1997.. 296 600	69 508	227 092	X
337124	Metal household furniture mfg.....	1999.. 56 393	11 670	44 723	7
		1998.. 84 862	33 460	51 402	8
		1997.. 77 750	19 416	58 334	X
337125	Household furniture (except wood & metal) mfg.....	1999.. 26 901	6 764	20 137	33
		1998.. 8 206	729	7 478	11
		1997.. 13 152	1 661	11 491	X
337127	Institutional furniture mfg.....	1999.. 140 996	23 887	117 108	10
		1998.. 150 892	22 755	128 137	19
		1997.. 118 083	22 346	95 737	X
337129	Wood television, radio, & sewing machine cabinet mfg.....	1999.. 7 731	2 228	5 503	27
		1998.. 10 983	1 809	9 174	49
		1997.. 6 802	419	6 383	X
3372	Office furniture (including fixtures) mfg.....	1999.. 876 578	176 263	700 315	4
		1998.. 895 814	230 632	665 182	7
		1997.. 709 894	127 515	582 379	X
33721	Office furniture (including fixtures) mfg.....	1999.. 876 578	176 263	700 315	4
		1998.. 895 814	230 632	665 182	7
		1997.. 709 894	127 515	582 379	X
337211	Wood office furniture mfg.....	1999.. 130 632	18 204	112 428	11
		1998.. 160 813	45 957	114 856	6
		1997.. 106 032	28 610	77 422	X
337212	Custom architectural woodwork & millwork mfg.....	1999.. 61 825	9 079	52 746	13
		1998.. 45 169	11 180	33 989	20
		1997.. 56 025	13 622	42 403	X
337214	Office furniture (except wood) mfg.....	1999.. 356 374	59 189	297 185	3
		1998.. 364 160	71 664	292 496	3
		1997.. 325 469	37 041	288 428	X
337215	Showcase, partition, shelving, & locker mfg.....	1999.. 327 748	89 791	237 956	10
		1998.. 325 672	101 831	223 841	18
		1997.. 222 368	48 242	174 126	X
3379	Other furniture related product mfg.....	1999.. 180 668	32 470	148 197	7
		1998.. 140 855	21 641	119 213	7
		1997.. 169 256	43 449	125 807	X
33791	Mattress mfg.....	1999.. 98 263	14 473	83 790	8
		1998.. 78 167	14 626	63 541	11
		1997.. 124 841	27 356	97 485	X
337910	Mattress mfg.....	1999.. 98 263	14 473	83 790	8
		1998.. 78 167	14 626	63 541	11
		1997.. 124 841	27 356	97 485	X
33792	Blind & shade mfg.....	1999.. 82 405	17 998	64 407	10
		1998.. 62 687	7 015	55 672	9
		1997.. 44 415	16 093	28 322	X
337920	Blind & shade mfg.....	1999.. 82 405	17 998	64 407	10
		1998.. 62 687	7 015	55 672	9
		1997.. 44 415	16 093	28 322	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry		Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
			(\$1,000)	(\$1,000)	(\$1,000)	A
			A	B	C	A
339	Miscellaneous mfg	1999..	4 121 001	752 094	3 368 907	2
		1998..	3 851 951	789 493	3 062 458	5
		1997..	3 432 599	632 488	2 800 111	X
3391	Medical equipment & supplies mfg	1999..	2 088 331	415 586	1 672 746	3
		1998..	2 037 622	456 487	1 581 135	9
		1997..	1 705 516	322 713	1 382 803	X
33911	Medical equipment & supplies mfg	1999..	2 088 331	415 586	1 672 746	3
		1998..	2 037 622	456 487	1 581 135	9
		1997..	1 705 516	322 713	1 382 803	X
339111	Laboratory apparatus & furniture mfg	1999..	57 129	7 446	49 683	8
		1998..	67 322	13 331	53 991	17
		1997..	59 796	11 252	48 544	X
339112	Surgical & medical instrument mfg	1999..	843 375	176 737	666 638	5
		1998..	712 223	107 111	605 113	6
		1997..	721 701	145 944	575 757	X
339113	Surgical appliance & supplies mfg	1999..	775 565	170 277	605 287	6
		1998..	801 738	240 065	561 673	22
		1997..	565 014	109 910	455 104	X
339114	Dental equipment & supplies mfg	1999..	80 129	13 871	66 258	10
		1998..	85 662	22 750	62 912	7
		1997..	71 565	13 488	58 077	X
339115	Ophthalmic goods mfg	1999..	237 989	27 416	210 573	8
		1998..	296 966	66 061	230 905	4
		1997..	213 706	31 688	182 018	X
339116	Dental laboratories	1999..	94 145	S	S	12
		1998..	73 711	S	S	9
		1997..	73 734	S	S	X
3399	Other miscellaneous mfg	1999..	2 032 669	336 508	1 696 162	3
		1998..	1 814 329	333 007	1 481 323	4
		1997..	1 727 083	309 775	1 417 308	X
33991	Jewelry & silverware mfg	1999..	131 109	117 296	5	
		1998..	128 861	17 000	111 861	5
		1997..	113 945	19 162	94 783	X
339911	Jewelry (except costume) mfg	1999..	74 199	9 655	64 544	9
		1998..	60 761	13 351	47 410	9
		1997..	61 191	11 503	49 688	X
339912	Silverware & plated ware mfg	1999..	20 741	2 078	18 662	5
		1998..	20 474	2 038	18 436	13
		1997..	19 711	4 732	14 979	X
339913	Jewelers' material & lapidary work mfg	1999..	9 261	342	8 919	9
		1998..	10 037	596	9 442	26
		1997..	11 465	790	10 675	X
339914	Costume jewelry & novelty mfg	1999..	26 908	1 738	25 171	8
		1998..	37 589	1 015	36 574	8
		1997..	21 578	2 137	19 441	X
33992	Sporting & athletic goods mfg	1999..	388 608	58 340	330 268	9
		1998..	353 259	60 359	292 900	6
		1997..	344 190	57 350	286 840	X
339920	Sporting & athletic goods mfg	1999..	388 608	58 340	330 268	9
		1998..	353 259	60 359	292 900	6
		1997..	344 190	57 350	286 840	X
33993	Doll, toy, & game mfg	1999..	129 294	29 780	99 514	15
		1998..	114 102	23 270	90 832	6
		1997..	137 430	17 772	119 658	X
339931	Doll & stuffed toy mfg	1999..	5 164	599	4 565	19
		1998..	2 438	1 076	1 362	6
		1997..	3 936	943	2 993	X
339932	Game, toy, & children's vehicle mfg	1999..	124 129	29 180	94 949	15
		1998..	111 664	22 194	89 470	7
		1997..	133 494	16 829	116 665	X
33994	Office supplies (except paper) mfg	1999..	127 139	9 508	117 631	3
		1998..	137 420	8 753	128 668	11
		1997..	120 477	17 363	103 114	X
339941	Pen & mechanical pencil mfg	1999..	52 606	3 083	49 523	4
		1998..	72 325	4 982	67 343	20
		1997..	52 784	8 622	44 162	X
339942	Lead pencil & art good mfg	1999..	35 544	1 106	34 438	3
		1998..	45 351	1 206	44 145	8
		1997..	30 530	4 390	26 140	X
339943	Marking device mfg	1999..	20 411	2 493	17 918	11
		1998..	3 428	597	2 831	16
		1997..	20 754	3 216	17 538	X
339944	Carbon paper & inked ribbon mfg	1999..	18 578	2 826	15 753	4
		1998..	16 316	1 968	14 349	10
		1997..	16 409	1 135	15 274	X
33995	Sign mfg	1999..	349 786	72 038	277 748	11
		1998..	179 145	33 085	146 060	13
		1997..	236 476	43 298	193 178	X
339950	Sign mfg	1999..	349 786	72 038	277 748	11
		1998..	179 145	33 085	146 060	13
		1997..	236 476	43 298	193 178	X

See footnotes at end of table.

Table 5. Capital Expenditures for Plant and Equipment for Industry Groups and Industries: 1999 and Earlier Years—Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

NAICS code	Industry group and industry	Total	Buildings and other structures	Machinery and equipment	Relative standard error of estimate ¹ (percent) for column—
		(\$1,000)	(\$1,000)	(\$1,000)	
		A	B	C	A
339	Miscellaneous mfg—Con.				
3399	Other miscellaneous mfg—Con.				
33999	All other miscellaneous mfg	1999.. 906 733	153 029	753 705	5
		1998.. 901 542	190 539	711 002	7
		1997.. 774 565	154 830	619 735	X
339991	Gasket, packing, & sealing device mfg	1999.. 263 599	47 124	216 476	8
		1998.. 244 487	23 678	220 808	14
		1997.. 203 930	25 462	178 468	X
339992	Musical instrument mfg	1999.. 73 570	43 609	29 962	10
		1998.. 57 183	22 769	34 414	18
		1997.. 34 565	11 051	23 514	X
339993	Fastener, button, needle, & pin mfg	1999.. 68 587	7 229	61 358	7
		1998.. 55 954	8 480	47 475	6
		1997.. 48 458	7 434	41 024	X
339994	Broom, brush, & mop mfg	1999.. 103 133	9 059	94 075	7
		1998.. 258 849	101 319	157 529	13
		1997.. 90 013	13 108	76 905	X
339995	Burial casket mfg	1999.. 22 148	4 914	17 234	9
		1998.. 13 380	1 689	11 691	3
		1997.. 27 416	4 354	23 062	X
339999	All other miscellaneous mfg	1999.. 375 696	41 095	334 601	10
		1998.. 271 689	32 604	239 085	11
		1997.. 370 183	93 421	276 762	X

¹Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: Previous years' data may differ from that published in the 1998 Annual Survey of Manufactures because of changes encountered in subsequent review or revisions discovered during 1999 Annual Survey of Manufactures review.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
31-33	Manufacturing	451 955 801	156 227 795	137 477 626	158 250 379	441 735 535	150 869 309	138 608 693	152 257 533	1	1	1	1
	1998..	447 651 135	152 517 463	140 602 445	154 531 227	434 445 199	148 083 648	134 625 363	151 736 188	1	1	1	1
	1997..	433 448 730	147 646 704	133 710 385	152 091 641	419 977 777	142 400 832	132 553 508	145 023 437	X	X	X	X
311	Food mfg	30 683 995	16 796 471	2 741 778	11 145 746	29 688 896	16 349 300	2 729 372	10 610 225	1	1	3	1
	1998..	30 222 932	16 748 128	2 803 931	10 670 872	30 153 602	16 631 673	3 031 757	10 490 172	1	1	2	1
	1997..	30 151 960	16 532 124	3 021 448	10 598 388	29 482 461	16 162 641	2 963 768	10 356 052	X	X	X	X
3111	Animal food mfg	1 204 906	480 052	157 134	567 720	1 123 872	457 334	144 476	522 063	2	4	4	4
	1998..	1 175 767	467 840	151 994	555 934	1 238 982	510 089	146 040	582 853	2	2	11	2
	1997..	1 240 108	493 710	174 921	571 477	1 217 963	511 473	118 248	588 242	X	X	X	X
31111	Animal food mfg	1 204 906	480 052	157 134	567 720	1 123 872	457 334	144 476	522 063	2	4	4	4
	1998..	1 175 767	467 840	151 994	555 934	1 238 982	510 089	146 040	582 853	2	2	11	2
	1997..	1 240 108	493 710	174 921	571 477	1 217 963	511 473	118 248	588 242	X	X	X	X
311111	Dog & cat food mfg	413 725	191 091	10 280	212 353	370 236	177 856	7 789	184 591	3	4	16	3
	1998..	389 260	180 754	10 323	198 184	397 389	202 351	6 251	188 787	1	1	17	1
	1997..	424 360	210 054	24 034	190 272	384 495	186 437	26 673	171 385	X	X	X	X
311119	Other animal food mfg	791 181	288 960	146 853	355 367	753 636	279 477	136 686	337 472	3	6	5	6
	1998..	786 507	287 086	141 671	357 570	841 592	307 738	139 789	394 066	4	4	11	3
	1997..	815 748	283 656	150 887	381 205	833 468	325 036	91 575	416 857	X	X	X	X
3112	Grain & oilseed milling	3 453 348	1 086 158	257 114	2 110 076	3 643 941	1 331 982	307 954	2 004 005	1	3	11	1
	1998..	3 798 945	1 414 726	328 864	2 055 355	3 957 152	1 440 566	354 028	2 162 558	1	3	5	2
	1997..	4 014 069	1 495 782	348 575	2 169 712	4 117 364	1 493 413	342 080	2 281 871	X	X	X	X
31121	Flour milling & malt mfg	1 043 467	234 586	88 453	720 428	1 040 756	278 352	91 105	671 300	3	10	4	2
	1998..	1 095 996	302 730	85 141	708 125	1 207 560	341 557	111 174	754 229	3	7	19	5
	1997..	1 214 408	346 066	110 746	757 596	1 232 321	339 155	107 918	785 848	X	X	X	X
311211	Flour milling	515 953	111 104	15 673	389 176	570 874	123 950	13 897	433 227	5	19	18	2
	1998..	582 955	109 438	14 814	458 702	601 080	129 822	14 971	456 287	3	3	4	4
	1997..	607 466	132 706	14 358	460 402	615 535	141 180	13 734	460 621	X	X	X	X
311212	Rice milling	396 526	84 861	52 588	259 077	337 082	91 683	56 588	188 811	3	8	3	4
	1998..	335 518	98 918	38 472	198 128	396 695	130 319	58 170	208 206	7	4	43	8
	1997..	397 255	131 222	58 218	207 815	391 725	111 852	43 571	236 302	X	X	X	X
311213	Malt mfg	130 987	38 621	20 192	132 800	62 719	20 620	49 462	3 7 1 2	3	7	1	2
	1998..	177 523	94 373	31 856	51 295	209 785	81 416	38 033	90 336	6	21	5	56
	1997..	209 687	82 138	38 170	89 379	225 061	86 123	50 613	88 325	X	X	X	X
31122	Starch & vegetable fats & oils mfg	2 057 904	738 286	152 403	1 167 215	2 265 425	933 792	206 429	1 125 204	2	3	19	2
	1998..	2 376 289	993 884	240 397	1 142 007	2 398 355	986 565	238 808	1 172 982	1	3	1	1
	1997..	2 429 508	1 008 132	233 964	1 187 412	2 557 535	1 032 119	231 639	1 293 777	X	X	X	X
311221	Wet corn milling	493 594	242 811	40 539	210 245	546 894	284 850	44 141	217 903	2	1	1	5
	1998..	554 072	284 977	48 351	220 744	536 278	263 965	48 846	223 467	1	1	1	1
	1997..	548 113	267 802	49 261	231 050	564 921	274 929	64 807	225 185	X	X	X	X
311222	Soybean processing	912 566	287 239	37 693	587 634	881 721	388 347	28 392	464 982	1	2	1	1
	1998..	886 926	385 482	31 989	469 455	955 613	422 553	43 311	489 749	1	1	1	1
	1997..	968 059	427 702	43 546	496 811	1 018 284	402 230	32 889	583 165	X	X	X	X
311223	Other oilseed processing	251 470	56 366	S	194 039	419 697	104 153	70 665	244 880	13	12	A	7
	1998..	471 404	142 147	48 786	280 472	424 343	99 318	39 607	285 418	7	23	1	1
	1997..	423 705	103 250	37 661	282 794	485 959	158 121	37 548	290 290	X	X	X	X
311225	Fats & oils refining & blending	400 274	151 871	73 107	175 296	417 113	156 442	63 231	197 440	5	11	19	10
	1998..	463 887	181 279	111 271	171 337	482 121	200 729	107 044	174 348	2	2	2	2
	1997..	489 631	209 378	103 496	176 757	488 371	196 839	96 395	195 137	X	X	X	X
31123	Breakfast cereal mfg	351 976	113 285	16 258	222 434	337 759	119 838	10 420	207 501	1	3	16	1
	1998..	326 661	118 112	3 325	205 223	351 237	112 444	4 046	234 747	2	2	1	3
	1997..	370 153	141 584	3 865	224 704	327 508	122 139	2 523	202 846	X	X	X	X
311230	Breakfast cereal mfg	351 976	113 285	16 258	222 434	337 759	119 838	10 420	207 501	1	3	16	1
	1998..	326 661	118 112	3 325	205 223	351 237	112 444	4 046	234 747	2	2	1	3
	1997..	370 153	141 584	3 865	224 704	327 508	122 139	2 523	202 846	X	X	X	X
3113	Sugar & confectionery product mfg	3 680 839	2 005 509	267 933	1 407 397	3 431 966	1 874 103	227 590	1 330 273	1	1	3	1
	1998..	3 557 668	1 955 383	227 969	1 374 316	3 289 355	1 804 948	249 675	1 234 732	3	3	1	4
	1997..	3 207 408	1 738 990	255 837	1 212 581	2 992 629	1 523 659	303 653	1 165 317	X	X	X	X
31131	Sugar mfg	1 513 658	969 855	141 834	401 969	1 414 989	890 994	110 755	413 239	1	1	3	1
	1998..	1 497 302	972 432	111 328	413 542	1 451 650	900 835	132 884	417 931	4	6	1	1
	1997..	1 395 337	839 177	145 215	410 945	1 325 445	723 483	185 948	416 014	X	X	X	X
311311	Sugarcane mills	466 075	405 373	6 491	54 211	405 176	343 702	6 511	54 963	1	2	1	1
	1998..	451 835	396 043	6 747	49 045	381 336	323 861	9 996	47 479	13	15	1	1
	1997..	381 193	323 665	9 973	47 555	318 529	260 378	11 192	46 959	X	X	X	X
311312	Cane sugar refining	203 836	59 908	31 622	112 306	204 784	61 535	31 852	111 397	1	1	1	1
	1998..	226 312	78 616	32 647	115 049	221 307	82 496	32 385	106 426	1	1	1	1
	1997..	229 379	83 953	44 945	100 481	254 854	79 860	40 444	134 550	X	X	X	X
311313	Beet sugar mfg	843 748	504 574	103 721	235 453	805 029	485 757	72 392	246 879	1	2	4	2
	1998..	819 155	497 773	71 934	249 448	849 007	494 478	90 503	264 026	1	1	1	1
	1997..	784 765	431 559	90 297	262 909	752 062	383 245	134 312	234 505	X	X	X	X
31132	Chocolate & confectionery mfg from cacao beans	608 553	242 770	58 359	307 423	557 282	238 702	52 771	265 809	1	1	1	1
	1998..	639 189	254 192	53 487	331 510	447 315	169 078	45 296	232 941	10	4	1	16
	1997..	435 261	165 361	44 679	225 221	404 129	170 597	48 333	185 199	X	X	X	X
311320	Chocolate & confectionery mfg from cacao beans	608 553	242 770	58 359	307 423	557 282	238 702	52 771	265 809	1	1	1	1
	1998..	639 189	254 192	53 487	331 510	447 315	169 078	45 296	232 941	10	4	1	16
	1997..	435 261	165 361	44 679	225 221	404 129	170 597	48 333					

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—										
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D							
		A	B	C	D	E	F	G	H	A	B	C	D							
311	Food mfg—Con.																			
3113	Sugar & confectionery product mfg—Con.																			
31134	Nonchocolate confectionery mfg	1999.. 613 648	260 082	25 100	328 466	615 808	274 948	24 483	316 378	2	3	4	1							
		1998.. 616 914	281 177	23 928	311 810	616 171	280 846	27 110	308 215	1	1	11	1							
		1997.. 588 249	271 040	22 142	295 067	569 781	245 274	28 681	295 826	X	X	X	X							
311340	Nonchocolate confectionery mfg	1999.. 613 648	260 082	25 100	328 466	615 808	274 948	24 483	316 378	2	3	4	1							
		1998.. 616 914	281 177	23 928	311 810	616 171	280 846	27 110	308 215	1	1	11	1							
		1997.. 588 249	271 040	22 142	295 067	569 781	245 274	28 681	295 826	X	X	X	X							
3114	Fruit & vegetable preserving & specialty food mfg	1999.. 8 394 708	5 721 623	776 519	1 896 566	8 154 499	5 576 773	777 050	1 800 676	1	1	6	3							
		1998.. 8 320 865	5 747 812	862 504	1 710 549	8 197 871	5 571 366	907 034	1 719 471	1	1	1	1							
		1997.. 8 213 548	5 584 829	886 462	1 742 257	8 316 759	5 694 572	924 734	1 697 453	X	X	X	X							
31141	Frozen food mfg	1999.. 2 714 875	1 874 128	132 083	708 664	2 684 849	1 816 134	151 963	716 752	1	2	1	1							
		1998.. 2 903 644	1 974 623	245 111	683 910	2 676 461	1 783 930	225 917	666 613	1	1	1	1							
		1997.. 2 609 599	1 701 340	206 787	701 472	2 655 087	1 732 101	249 663	673 323	X	X	X	X							
311411	Frozen fruit, juice, & vegetable mfg	1999.. 1 985 634	1 462 939	117 944	404 750	1 969 604	1 444 659	133 669	391 277	2	2	1	2							
		1998.. 2 157 709	1 546 571	206 378	404 761	1 987 461	1 393 908	191 855	401 698	1	1	2	2							
		1997.. 1 958 904	1 347 578	175 765	435 561	2 034 268	1 393 844	221 953	418 471	X	X	X	X							
311412	Frozen specialty food mfg ..	1999.. 729 241	411 188	14 139	303 914	715 245	371 475	18 294	325 475	2	3	2	2							
		1998.. 745 934	428 051	38 733	279 150	689 000	390 022	34 062	264 916	1	1	1	1							
		1997.. 650 695	353 762	31 022	265 911	620 819	338 257	27 710	254 852	X	X	X	X							
31142	Fruit & vegetable canning, pickling, & drying	1999.. 5 679 833	3 847 496	644 436	1 187 902	5 469 650	3 760 639	625 087	1 083 925	2	2	8	4							
		1998.. 5 417 222	3 773 189	617 394	1 026 639	5 521 411	3 787 435	681 117	1 052 858	1	1	1	1							
		1997.. 5 603 949	3 883 489	679 675	1 040 785	5 661 672	3 962 471	675 071	1 024 130	X	X	X	X							
311421	Fruit & vegetable canning ..	1999.. 4 087 379	2 826 228	494 875	766 276	3 893 601	2 683 562	465 557	744 481	2	2	10	6							
		1998.. 3 866 625	2 710 533	446 165	709 927	3 921 869	2 725 290	486 089	710 491	2	2	1	2							
		1997.. 3 928 014	2 769 290	482 981	675 743	3 949 153	2 855 577	466 617	626 959	X	X	X	X							
311422	Specialty canning	1999.. 752 517	463 182	19 465	269 870	811 665	567 378	23 260	221 027	2	4	17	7							
		1998.. 828 627	575 548	41 988	211 092	813 251	546 676	40 097	226 477	1	1	3	2							
		1997.. 847 648	568 587	40 379	238 682	853 665	565 449	41 548	246 668	X	X	X	X							
311423	Dried & dehydrated food mfg	1999.. 839 938	558 086	130 096	151 756	764 384	509 698	136 270	118 416	3	2	4	11							
		1998.. 721 970	487 108	129 241	105 621	786 291	515 470	154 931	115 890	2	2	5	5							
		1997.. 828 287	545 612	156 315	126 360	858 854	541 445	166 906	150 503	X	X	X	X							
3115	Dairy product mfg	1999.. 2 875 057	1 743 480	192 372	939 206	2 869 569	1 789 514	185 317	894 738	3	4	3	2							
		1998.. 3 118 906	1 980 098	194 307	944 501	2 897 666	1 822 071	177 386	898 209	2	3	5	2							
		1997.. 2 831 823	1 762 084	176 184	893 555	2 824 279	1 760 064	165 646	898 569	X	X	X	X							
31151	Dairy product (except frozen) mfg	1999.. 2 485 430	1 489 406	180 358	815 666	2 487 020	1 539 247	173 311	774 462	3	5	2	2							
		1998.. 2 752 734	1 746 529	188 958	817 247	2 504 219	1 577 235	172 397	754 587	2	3	5	2							
		1997.. 2 435 801	1 513 703	169 127	752 971	2 430 421	1 516 434	158 540	755 447	X	X	X	X							
311511	Fluid milk mfg	1999.. 519 459	246 704	26 766	245 989	511 509	246 345	25 233	239 931	7	10	5	4							
		1998.. 562 160	281 547	25 936	254 677	538 866	265 111	24 808	248 947	3	3	3	3							
		1997.. 542 972	269 871	24 288	248 813	529 862	261 739	24 081	244 042	X	X	X	X							
311512	Creamery butter mfg	1999.. 52 795	38 585	5 292	8 919	49 829	36 267	4 984	8 579	3	4	4	2							
		1998.. 57 746	42 101	5 347	10 298	52 690	36 658	4 769	11 263	4	6	4	9							
		1997.. 56 435	39 489	5 506	11 440	51 133	32 270	4 498	14 365	X	X	X	X							
311513	Cheese mfg	1999.. 1 295 118	829 114	105 912	360 092	1 365 451	884 170	105 870	375 410	5	8	3	2							
		1998.. 1 498 893	1 012 641	109 593	376 658	1 347 468	923 103	100 161	324 205	4	5	6	1							
		1997.. 1 274 146	854 615	96 903	322 628	1 280 218	857 486	90 896	331 836	X	X	X	X							
311514	Dry, condensed, & evaporated dairy product mfg	1999.. 618 058	375 003	42 388	200 667	560 231	372 464	37 225	150 542	3	4	4	4							
		1998.. 633 935	410 240	48 081	175 614	565 194	352 363	42 659	170 472	5	6	15	6							
		1997.. 562 248	349 728	42 430	170 090	569 208	364 939	39 065	165 204	X	X	X	X							
31152	Ice cream & frozen dessert mfg	1999.. 389 627	254 074	12 013	123 539	382 550	250 267	12 006	120 276	5	5	33	6							
		1998.. 366 172	233 569	5 349	127 254	393 447	244 836	4 989	143 622	2	3	12	2							
		1997.. 396 022	248 381	7 057	140 584	393 858	243 630	7 106	143 122	X	X	X	X							
311520	Ice cream & frozen dessert mfg	1999.. 389 627	254 074	12 013	123 539	382 550	250 267	12 006	120 276	5	5	33	6							
		1998.. 366 172	233 569	5 349	127 254	393 447	244 836	4 989	143 622	2	3	12	2							
		1997.. 396 022	248 381	7 057	140 584	393 858	243 630	7 106	143 122	X	X	X	X							
3116	Meat product mfg	1999.. 3 881 207	2 424 310	447 687	1 009 210	3 506 298	2 169 811	403 171	933 316	1	2	7	2							
		1998.. 3 647 576	2 270 449	419 005	958 122	3 892 116	2 435 948	511 978	944 190	1	1	2	1							
		1997.. 3 916 213	2 459 451	481 199	975 563	3 828 493	2 340 378	505 560	982 555	X	X	X	X							
31161	Animal slaughtering & processing	1999.. 3 881 207	2 424 310	447 687	1 009 210	3 506 298	2 169 811	403 171	933 316	1	2	7	2							
		1998.. 3 647 576	2 270 449	419 005	958 122	3 892 116	2 435 948	511 978	944 190	1	1	2	1							
		1997.. 3 916 213	2 459 451	481 199	975 563	3 828 493	2 340 378	505 560	982 555	X	X	X	X							
311611	Animal (except poultry) slaughtering	1999.. 1 253 109	900 036	117 503	235 570	1 117 976	819 385	98 647	199 944	4	3	28	9							
		1998.. 1 117 102	819 364	94 317	203 421	1 219 762	902 302	123 734	193 725	1	1	3	1							
		1997.. 1 254 731	931 242	107 611	215 878	1 262 094	917 281	97 752	247 061											

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
311	Food mfg—Con.													
3116	Meat product mfg—Con.													
31161	Animal slaughtering & processing—Con.													
311615	Poultry processing	1 272 625	769 472	185 040	318 112	1 106 201	643 010	168 626	294 564	1	1	1	1	
		1998..	653 515	182 012	317 493	1 276 141	746 747	230 966	298 428	1	1	1	2	
		1997..	753 703	222 507	308 694	1 218 951	650 376	242 819	325 756	X	X	X	X	
3117	Seafood product preparation & packaging	1 166 631	779 492	43 546	343 592	1 034 475	667 233	49 063	318 179	5	7	20	4	
		1998..	961 111	604 658	20 061	336 392	1 135 138	760 389	15 181	3	4	12	3	
		1997..	1 084 795	745 449	20 067	319 279	1 022 291	748 539	15 055	258 697	X	X	X	
31171	Seafood product preparation & packaging	1 166 631	779 492	43 546	343 592	1 034 475	667 233	49 063	318 179	5	7	20	4	
		1998..	961 111	604 658	20 061	336 392	1 135 138	760 389	15 181	359 568	3	4	12	3
		1997..	1 084 795	745 449	20 067	319 279	1 022 291	748 539	15 055	258 697	X	X	X	
311711	Seafood canning	183 717	129 976	4 005	49 737	214 515	164 032	2 669	47 814	6	6	14	6	
		1998..	132 705	91 948	2 310	38 447	149 574	104 592	42 106	13	15	27	10	
		1997..	157 718	111 824	3 212	42 682	151 546	112 104	37 802	X	X	X	X	
311712	Fresh & frozen seafood processing	982 913	649 517	39 542	293 855	819 960	503 201	46 394	270 365	6	8	22	5	
		1998..	828 406	512 710	17 751	297 945	985 564	655 797	317 462	3	4	13	4	
		1997..	927 077	633 625	16 855	276 597	870 745	636 435	13 415	220 895	X	X	X	
3118	Bakeries & tortilla mfg	1 772 979	745 095	45 980	981 903	1 717 379	720 184	37 722	959 473	2	3	12	2	
		1998..	1 613 623	718 793	24 844	869 986	1 595 939	684 710	29 588	881 641	7	5	13	10
		1997..	1 659 519	701 479	31 495	926 545	1 632 897	698 860	34 740	899 297	X	X	X	
31181	Bread & bakery product mfg ..	880 987	264 054	28 750	588 183	790 729	207 789	21 427	561 513	4	8	18	3	
		1998..	656 816	200 473	12 638	443 705	647 422	168 505	15 152	463 766	16	17	25	19
		1997..	689 709	173 601	16 436	499 672	670 162	177 918	19 586	472 658	X	X	X	
311811	Retail bakeries	116 181	22 264	5 131	88 786	117 968	23 428	8 704	85 836	A	8	A	A	
		1998..	40 324	34 170	2 601	3 553	29 202	6 511	19 428	A	98	A	A	
		1997..	94 631	16 122	5 686	72 823	82 049	10 419	58 789	X	X	X	X	
311812	Commercial bakeries	538 979	133 724	20 050	385 205	503 917	117 349	10 125	376 443	5	11	24	4	
		1998..	435 887	98 209	7 373	330 305	431 404	90 813	9 723	330 867	1	1	12	2
		1997..	422 573	90 156	8 588	323 829	424 987	96 704	321 207	X	X	X	X	
311813	Frozen cakes, pies, & other pastries mfg	225 826	108 066	3 569	114 191	168 844	67 011	2 598	99 235	10	15	14	5	
		1998..	180 605	68 094	2 663	109 847	186 817	71 181	113 470	3	3	6	3	
		1997..	172 505	67 323	2 162	103 020	163 126	68 373	92 662	X	X	X	X	
31182	Cookie, cracker, & pasta mfg	848 447	467 415	15 325	365 707	886 514	500 125	14 488	371 901	2	2	13	2	
		1998..	914 540	503 302	10 713	400 524	908 541	503 022	393 145	1	2	1	1	
		1997..	927 476	515 392	13 072	399 012	919 268	506 875	399 536	X	X	X	X	
311821	Cookie & cracker mfg	441 613	242 376	2 725	196 513	477 325	266 846	2 311	208 167	3	4	60	4	
		1998..	490 243	272 674	3 201	214 368	493 812	275 937	4 701	213 174	2	4	4	1
		1997..	505 816	288 822	5 108	211 886	514 132	294 560	215 516	X	X	X	X	
311822	Flour mixes & dough mfg from purchased flour	302 765	156 779	8 031	137 955	290 456	151 330	5 681	133 445	3	3	14	3	
		1998..	308 027	151 605	5 973	150 448	308 408	5 952	145 858	1	1	2	1	
		1997..	307 079	151 871	6 244	148 964	283 656	5 062	144 349	X	X	X	X	
311823	Dry pasta mfg	104 068	68 260	4 569	31 239	118 733	81 949	6 496	30 288	3	2	3	7	
		1998..	116 270	79 023	1 539	35 708	106 321	70 487	34 113	1	1	1	1	
		1997..	114 581	74 699	1 720	38 162	121 480	78 070	39 671	X	X	X	X	
31183	Tortilla mfg	43 546	13 626	1 906	28 014	40 136	12 269	1 807	26 060	4	5	5	4	
		1998..	42 267	15 017	1 493	25 756	39 975	13 182	24 731	8	4	31	12	
		1997..	42 334	12 486	1 987	27 861	43 467	14 067	27 103	X	X	X	X	
311830	Tortilla mfg	43 546	13 626	1 906	28 014	40 136	12 269	1 807	26 060	4	5	5	4	
		1998..	42 267	15 017	1 493	25 756	39 975	13 182	24 731	8	4	31	12	
		1997..	42 334	12 486	1 987	27 861	43 467	14 067	27 103	X	X	X	X	
3119	Other food mfg	4 254 321	1 810 752	553 493	1 890 075	4 206 896	1 762 366	597 029	1 847 501	2	2	6	3	
		1998..	4 028 470	1 588 369	574 384	1 865 717	3 949 383	1 601 588	1 706 948	2	3	6	2	
		1997..	3 984 477	1 550 350	646 708	1 787 419	3 529 786	1 391 683	1 584 051	X	X	X	X	
31191	Snack food mfg	1 111 033	453 523	205 389	452 121	1 161 898	408 118	297 413	456 367	4	3	16	3	
		1998..	1 085 099	335 673	259 044	490 382	974 091	338 709	330 245	7	12	14	4	
		1997..	1 027 719	357 349	314 201	356 169	914 571	309 940	310 168	X	X	X	X	
311911	Roasted nuts & peanut butter mfg	732 037	276 588	201 565	253 885	845 242	260 483	291 862	292 897	5	5	16	4	
		1998..	765 489	194 700	253 132	317 658	674 132	302 408	170 060	10	21	14	6	
		1997..	722 395	217 209	311 128	194 058	662 248	213 948	161 568	X	X	X	X	
311919	Other snack food mfg	378 996	176 935	3 824	198 237	316 657	147 636	5 551	163 470	4	3	39	6	
		1998..	319 610	140 973	5 912	172 725	299 960	137 045	160 185	1	1	19	3	
		1997..	305 324	140 140	3 073	162 111	325 323	95 992	149 010	X	X	X	X	
31192	Coffee & tea mfg	618 751	239 599	104 811	274 341	584 927	253 042	73 071	258 814	3	3	3	6	
		1998..	628 844	249 141	86 145	293 558	698 576	267 918	331 383	1	2	1	2	
		1997..	681 464	262 723	96 893	321 848	589 246	211 022	300 524	X	X	X	X	
311920	Coffee & tea mfg	618 751	239 599	104 811	274 341	584 927	253 042	73 071	258 814	3	3	3	6	
		1998..	628 844	249 141	86 145	293 558	698 576	267 918	331 383	1	2	1	2	
		1997..	681 464	262 723	96 893	321 848	589 246	211 022	300 524	X	X	X	X	
31193	Flavoring syrup & concentrate mfg	378 594	145 762	38 332	194 500	316 558	131 984	35 698	148 877	3	5	5	2	
		1998..	280 108	116 501	36 257	127 350	326 421	128 860	163 025	4	3	1	5	
		1997..	332 651	126 340	34 007	172 304	324 521	142 804	169 242	X	X	X	X	
311930	Flavoring syrup & concentrate mfg	378 594	145 762	38 332	194 500	316 558	131 984	35 698	148 877	3	5	5	2	
		1998..	280 108	116 501	36 257	127 350	326 421	128 860	163 025	4	3	1	5	
		1997..	332 651	126 340	34 007	172 304	324 521	142 804	169 242	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
311	Food mfg—Con.												
3119	Other food mfg—Con.												
31194	Seasoning & dressing mfg.	1999.. 1 159 028	544 580	134 300	480 148	1 155 845	534 692	132 937	488 216	4	2	1	10
		1998.. 1 077 668	499 592	132 137	445 939	1 027 770	489 578	120 173	418 019	3	2	3	6
		1997.. 1 022 221	419 884	124 435	477 902	844 895	378 139	98 056	368 700	X	X	X	X
311941	Mayonnaise, dressing, & other prepared sauce mfg	1999.. 473 037	258 988	46 084	167 964	463 234	254 000	36 719	172 515	2	4	2	2
		1998.. 476 187	262 786	36 649	176 751	447 510	244 336	36 537	166 638	1	1	2	3
		1997.. 381 485	186 582	37 176	157 727	370 715	190 634	41 439	138 642	X	X	X	X
311942	Spice & extract mfg	1999.. 685 991	285 591	88 215	312 184	692 611	280 693	96 217	315 701	7	2	1	16
		1998.. 601 481	236 806	95 488	269 187	580 260	245 243	83 636	251 381	6	5	4	9
		1997.. 640 736	233 302	87 259	320 175	474 180	187 505	56 617	230 058	X	X	X	X
31199	All other food mfg	1999.. 986 914	427 289	70 661	488 965	987 667	434 530	57 910	495 277	3	5	6	3
		1998.. 956 750	387 462	60 801	508 488	922 526	376 523	81 725	464 247	1	1	6	1
		1997.. 920 422	384 054	77 172	459 196	856 553	349 778	71 358	435 417	X	X	X	X
311991	Perishable prepared food mfg	1999.. 163 428	59 421	22 532	81 476	145 335	59 027	14 882	71 427	3	9	5	6
		1998.. 153 234	56 995	16 416	79 823	147 280	53 206	19 148	74 927	3	6	21	4
		1997.. 145 511	47 214	19 857	78 440	135 328	45 490	7 329	82 509	X	X	X	X
311999	All other miscellaneous food mfg	1999.. 823 486	367 868	48 129	407 489	842 331	375 503	43 028	423 800	3	5	9	3
		1998.. 803 516	330 466	44 385	428 665	775 246	323 318	62 578	389 350	1	1	1	1
		1997.. 774 911	336 840	57 315	380 756	721 225	304 288	64 029	352 908	X	X	X	X
312	Beverage & tobacco product mfg ..	1999.. 14 220 607	4 036 464	3 599 815	6 584 329	14 345 750	3 797 740	3 654 882	6 893 128	1	4	2	2
		1998.. 14 817 827	4 126 228	3 809 400	6 882 200	14 259 743	3 816 817	3 617 546	6 825 379	1	2	1	1
		1997.. 14 188 142	3 838 636	3 634 606	6 714 900	13 302 961	3 542 159	2 990 064	6 770 738	X	X	X	X
3121	Beverage mfg	1999.. 8 066 712	3 251 187	3 385 296	1 430 229	7 843 557	3 077 912	3 409 953	1 355 692	2	4	2	7
		1998.. 8 215 859	3 382 587	3 508 998	1 324 275	7 576 545	3 030 202	3 282 988	1 263 354	1	2	1	2
		1997.. 7 622 157	3 045 997	3 294 121	1 282 039	6 842 101	2 833 571	2 715 858	1 292 672	X	X	X	X
31211	Soft drink & ice mfg	1999.. 1 435 841	736 563	71 920	627 359	1 307 880	641 978	43 341	622 561	2	2	37	8
		1998.. 1 365 742	705 888	48 967	610 887	1 328 924	667 784	45 702	615 439	2	3	1	2
		1997.. 1 368 996	691 441	45 823	631 732	1 304 405	671 616	40 798	591 991	X	X	X	X
312111	Soft drink mfg	1999.. 1 340 942	697 905	69 673	573 365	1 230 295	612 773	41 918	575 604	2	2	38	9
		1998.. 1 297 431	667 453	47 552	582 425	1 252 885	634 007	44 234	574 644	2	3	1	2
		1997.. 1 294 689	658 774	44 446	591 469	1 248 475	638 966	39 283	570 226	X	X	X	X
312112	Bottled water mfg	1999.. 83 006	33 730	2 020	47 256	66 435	24 331	1 100	41 004	14	19	27	11
		1998.. 53 890	33 937	909	19 045	62 856	28 366	966	33 529	5	9	8	5
		1997.. 61 314	27 420	900	32 994	42 071	26 479	913	14 679	X	X	X	X
312113	Ice mfg	1999.. 11 893	4 928	227	6 738	11 151	4 875	323	5 953	7	9	19	7
		1998.. 14 420	4 498	506	9 416	13 183	5 410	502	7 271	6	18	1	5
		1997.. 12 993	5 247	477	7 269	13 859	6 171	602	7 086	X	X	X	X
31212	Breweries	1999.. 504 754	72 702	178 925	253 126	527 640	78 857	178 220	270 563	1	4	1	1
		1998.. 530 080	66 830	181 605	281 645	535 673	75 175	183 139	277 359	1	1	1	1
		1997.. 537 139	76 101	183 945	277 093	590 712	80 484	181 715	328 513	X	X	X	X
312120	Breweries	1999.. 504 754	72 702	178 925	253 126	527 640	78 857	178 220	270 563	1	4	1	1
		1998.. 530 080	66 830	181 605	281 645	535 673	75 175	183 139	277 359	1	1	1	1
		1997.. 537 139	76 101	183 945	277 093	590 712	80 484	181 715	328 513	X	X	X	X
31213	Wineries	1999.. 4 268 893	1 141 833	2 708 421	418 638	4 223 920	1 143 436	2 731 031	349 453	2	3	1	21
		1998.. 4 285 257	1 219 396	2 768 277	297 584	3 791 867	947 173	2 609 594	235 100	2	6	1	6
		1997.. 3 772 684	934 817	2 607 160	230 707	3 143 103	856 125	2 055 239	231 739	X	X	X	X
312130	Wineries	1999.. 4 268 893	1 141 833	2 708 421	418 638	4 223 920	1 143 436	2 731 031	349 453	2	3	1	21
		1998.. 4 285 257	1 219 396	2 768 277	297 584	3 791 867	947 173	2 609 594	235 100	2	6	1	6
		1997.. 3 772 684	934 817	2 607 160	230 707	3 143 103	856 125	2 055 239	231 739	X	X	X	X
31214	Distilleries	1999.. 1 857 225	1 300 089	426 030	131 106	1 784 117	1 213 641	457 361	113 115	9	11	7	3
		1998.. 2 034 780	1 390 473	510 148	134 159	1 920 081	1 340 071	444 553	135 457	1	1	1	2
		1997.. 1 943 338	1 343 638	457 193	142 507	1 803 881	1 225 346	438 106	140 429	X	X	X	X
312140	Distilleries	1999.. 1 857 225	1 300 089	426 030	131 106	1 784 117	1 213 641	457 361	113 115	9	11	7	3
		1998.. 2 034 780	1 390 473	510 148	134 159	1 920 081	1 340 071	444 553	135 457	1	1	1	2
		1997.. 1 943 338	1 343 638	457 193	142 507	1 803 881	1 225 346	438 106	140 429	X	X	X	X
3122	Tobacco mfg	1999.. 6 153 895	785 277	214 518	5 154 100	6 502 193	719 828	244 929	5 537 437	1	1	1	1
		1998.. 6 601 968	743 641	300 402	5 557 925	6 683 198	786 615	334 558	5 562 025	1	1	1	1
		1997.. 6 565 985	792 639	340 485	5 432 861	6 460 860	708 588	274 206	5 478 066	X	X	X	X
31221	Tobacco stemming & redrying	1999.. 594 977	290 849	100 579	203 549	513 790	252 933	136 341	124 516	1	1	1	1
		1998.. 558 176	246 628	183 882	127 666	461 352	295 945	204 010	161 397	1	1	1	1
		1997.. 600 142	302 522	205 966	91 654	521 387	263 696	134 544	123 147	X	X	X	X
312210	Tobacco stemming & redrying	1999.. 594 977	290 849	100 579	203 549	513 790	252 933	136 341	124 516	1	1	1	1
		1998.. 558 176	246 628	183 882	127 666	461 352	295 945	204 010	161 397	1	1	1	1
		1997.. 600 142	302 522	205 966	91 654	521 387	263 696	134 544	123 147	X	X	X	X
31222	Tobacco product mfg	1999.. 5 558 918	494 428	113 939	4 950 551	5 988 403	466 895	108 588	5 412 921	1	2	2	1
		1998.. 6 043 792	497 013	116 520	5 430 259	6 021 846	490 670	130 548	5 400 628	1	1	1	1
		1997.. 5 965 843	490 117	134 519	5 341 227	5 939 473	444 892	139 662	5 354 919	X	X	X	X
312221	Cigarette mfg	1999.. 5 047 297	401 307	77 068	4 568 922	5 468 367	367 673	73 174	5 027 520	1	1	1	1
		1998.. 5 471 695	367 952	73 320	5 030 423	5 504 339	392 744	91 637	5 019 958	1	1	1	1
		1997.. 5 504 339	392 744	91 637	5 019 958	5 502 531	372 439	103 878	5 026 214	X	X	X	X
312229	Other tobacco product mfg	1999.. 511 621	93 121	36 871	381 629	520 036	99 222	35 414	385 404	3	10	6	1
		1998.. 572 097	129 061	43 200	399 836	517 507	97 926	38 911	380 670	1	1	1	1
		1997.. 461 504	97 373	42 882	321 249	436 942	72 453	35 784	328 705	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.					
		A	B	C	D	E	F	G	H	A	B	C	D	
313	Textile mills	1999..	6 720 487	2 922 366	1 759 748	2 038 374	6 729 341	2 865 803	1 819 396	2 044 142	2	3	1	3
		1998..	6 708 102	2 829 060	1 827 058	2 051 984	6 600 394	2 561 833	1 905 599	2 132 962	1	2	1	2
		1997..	6 640 225	2 580 798	1 842 741	2 216 686	6 678 254	2 633 117	1 923 976	2 121 161	X	X	X	X
3131	Fiber, yarn, & thread mills	1999..	1 269 404	603 696	257 187	408 520	1 239 813	580 333	242 129	417 350	11	14	2	14
		1998..	1 078 639	479 594	237 315	361 731	1 037 971	367 386	223 347	447 238	1	2	1	2
		1997..	1 082 047	376 233	239 253	466 561	1 087 945	410 391	264 620	412 934	X	X	X	X
31311	Fiber, yarn, & thread mills	1999..	1 269 404	603 696	257 187	408 520	1 239 813	580 333	242 129	417 350	11	14	2	14
		1998..	1 078 639	479 594	237 315	361 731	1 037 971	367 386	223 347	447 238	1	2	1	2
		1997..	1 082 047	376 233	239 253	466 561	1 087 945	410 391	264 620	412 934	X	X	X	X
313111	Yarn spinning mills	1999..	675 332	309 927	162 783	202 621	677 017	299 532	161 002	216 483	2	3	3	4
		1998..	682 399	302 014	158 148	222 236	635 920	239 126	146 881	249 913	1	2	2	3
		1997..	679 572	244 580	161 355	273 637	702 934	257 057	189 701	256 176	X	X	X	X
313112	Yarn texturing, throwing, & twisting mills	1999..	549 080	272 031	81 361	195 688	518 062	260 127	67 395	190 541	26	30	3	29
		1998..	345 100	156 933	62 207	125 959	348 257	106 234	58 026	183 997	2	5	1	2
		1997..	350 768	110 475	60 734	179 559	333 589	133 795	56 927	142 867	X	X	X	X
313113	Thread mills	1999..	44 992	21 738	13 043	10 211	44 733	20 674	13 732	10 327	2	2	2	4
		1998..	51 141	20 646	16 959	13 536	53 795	22 027	18 441	13 327	1	1	1	1
		1997..	51 707	21 178	17 164	13 365	51 422	19 539	17 992	13 891	X	X	X	X
3132	Fabric mills	1999..	3 784 553	1 654 135	1 116 247	1 014 172	3 804 197	1 595 056	1 184 584	1 024 557	1	1	1	2
		1998..	3 880 203	1 629 054	1 192 382	1 058 767	3 899 428	1 540 026	1 256 119	1 103 283	1	2	1	1
		1997..	3 878 967	1 563 256	1 219 247	1 096 464	3 957 608	1 586 208	1 275 143	1 096 257	X	X	X	X
31321	Broadwoven fabric mills	1999..	2 398 107	1 094 868	786 519	516 721	2 413 706	1 021 411	837 221	555 074	1	1	2	3
		1998..	2 454 507	1 024 730	847 717	582 061	2 399 645	947 739	874 965	576 940	1	2	1	1
		1997..	2 381 334	965 082	830 610	585 642	2 511 797	1 009 921	887 846	614 030	X	X	X	X
313210	Broadwoven fabric mills	1999..	2 398 107	1 094 868	786 519	516 721	2 413 706	1 021 411	837 221	555 074	1	1	2	3
		1998..	2 454 507	1 024 730	847 717	582 061	2 399 645	947 739	874 965	576 940	1	2	1	1
		1997..	2 381 334	965 082	830 610	585 642	2 511 797	1 009 921	887 846	614 030	X	X	X	X
31322	Narrow fabric mills & schiffli machine embroidery	1999..	304 899	122 477	76 481	105 940	283 505	113 697	73 815	95 993	2	2	4	4
		1998..	275 054	114 439	69 820	90 794	283 742	114 436	75 437	93 868	4	6	3	4
		1997..	283 938	114 621	75 314	94 003	272 529	110 244	78 942	83 343	X	X	X	X
313221	Narrow fabric mills	1999..	281 915	113 502	69 751	98 662	259 812	104 701	66 514	88 597	3	2	4	4
		1998..	247 425	101 654	63 485	82 286	253 732	100 336	68 568	84 827	5	6	3	5
		1997..	253 760	100 406	68 474	84 880	240 676	96 603	71 711	72 362	X	X	X	X
313222	Schiffli machine embroidery	1999..	22 984	8 975	6 731	7 278	23 693	8 996	7 301	7 396	10	17	5	10
		1998..	27 628	12 786	6 335	8 508	30 010	14 100	6 869	9 041	9	18	6	5
		1997..	30 178	14 215	6 840	9 123	31 853	13 641	7 231	10 981	X	X	X	X
31323	Nonwoven fabric mills	1999..	568 900	285 052	94 039	189 809	580 225	303 439	98 751	178 035	2	3	3	3
		1998..	582 582	306 448	94 584	181 550	611 941	304 408	109 976	197 558	1	2	1	3
		1997..	596 244	309 471	113 595	173 178	570 189	292 433	100 923	176 833	X	X	X	X
313230	Nonwoven fabric mills	1999..	568 900	285 052	94 039	189 809	580 225	303 439	98 751	178 035	2	3	3	3
		1998..	582 582	306 448	94 584	181 550	611 941	304 408	109 976	197 558	1	2	1	3
		1997..	596 244	309 471	113 595	173 178	570 189	292 433	100 923	176 833	X	X	X	X
31324	Knit fabric mills	1999..	512 647	151 737	159 208	201 702	526 760	156 509	174 797	195 454	4	7	4	4
		1998..	568 060	183 436	180 261	204 363	604 100	173 442	195 741	234 917	3	9	1	1
		1997..	617 451	174 082	199 728	243 641	603 093	173 610	207 432	222 051	X	X	X	X
313241	Weft knit fabric mills	1999..	215 958	60 917	62 236	92 805	224 434	65 407	67 175	91 852	5	11	6	5
		1998..	256 532	86 174	70 853	99 505	286 889	73 979	87 982	124 928	6	18	1	3
		1997..	282 194	68 788	87 148	126 258	264 935	72 827	88 427	103 681	X	X	X	X
313249	Other knit fabric & lace mills	1999..	296 689	90 820	96 972	108 897	302 326	91 102	107 622	103 602	6	8	5	6
		1998..	311 528	97 262	109 408	104 858	317 211	99 464	107 759	109 988	1	1	1	1
		1997..	335 257	105 294	112 580	117 383	338 158	100 783	119 005	118 370	X	X	X	X
3133	Textile & fabric finishing & fabric coating mills	1999..	1 666 530	664 534	386 314	615 682	1 685 332	690 414	392 683	602 235	3	3	3	6
		1998..	1 749 261	720 413	397 361	631 487	1 662 995	654 421	426 132	582 442	4	5	3	5
		1997..	1 679 211	641 309	384 241	653 661	1 632 701	636 518	384 213	611 970	X	X	X	X
31331	Textile & fabric finishing mills	1999..	1 351 802	526 801	349 507	475 493	1 349 099	545 689	352 342	451 068	4	4	3	8
		1998..	1 422 340	584 008	353 090	485 242	1 332 831	505 853	379 520	447 458	4	6	3	7
		1997..	1 342 426	490 029	335 956	516 441	1 291 279	486 394	337 425	467 460	X	X	X	X
313311	Broadwoven fabric finishing mills	1999..	935 276	365 898	258 519	310 859	969 449	387 683	261 358	320 408	3	6	4	6
		1998..	1 025 256	432 996	261 886	330 374	944 748	353 057	278 128	313 563	6	8	4	7
		1997..	952 919	332 412	236 041	384 466	925 418	347 350	241 164	336 904	X	X	X	X
313312	Textile & fabric finishing mills	1999..	416 525	160 904	90 988	164 634	379 650	158 006	90 984	130 660	8	3	7	20
		1998..	397 084	151 012	91 204	154 868	388 084	152 797	101 392	133 895	6	1	3	15
		1997..	389 507	157 617	99 915	131 975	365 861	139 044	96 261	130 556	X	X	X	X
31332	Fabric coating mills	1999..	314 729	137 733	36 807	140 189	336 233	144 725	40 341	151 167	4	5	10	4
		1998..	326 921	136 405	44 271	146 245	330 164	148 568	46 612	134 984	5	9	6	6
		1997..	336 785	151 280	48 285	137 220	341 422	150 124	46 788	144 510	X	X	X	X
313320	Fabric coating mills	1999..	314 729	137 733	36 807	140 189	336 233	144 725	40 341	151 167	4	5	10	4
		1998..	326 921	136 405	44 271	146 245	330 164	148 568	46 612	134 984	5	9	6	6
		1997..	336 785	151 280	48 285	137 220	341 422	150 124	46 788	144 510	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
314	Textile product mills	1999..	4 316 673	1 952 938	821 679	1 542 056	4 160 841	1 855 275	791 936	1 513 629	1	1	1	2
		1998..	4 413 568	2 000 499	821 811	1 591 257	4 275 294	1 941 401	805 901	1 527 991	1	1	2	2
		1997..	4 330 993	1 960 918	828 680	1 541 395	4 063 504	1 779 294	777 510	1 506 700	X	X	X	X
3141	Textile furnishings mills	1999..	2 819 891	1 296 092	593 455	930 345	2 709 177	1 223 970	569 379	915 827	1	2	1	2
		1998..	3 003 221	1 396 942	629 007	977 272	2 857 309	1 348 192	603 325	905 791	1	1	2	2
		1997..	2 908 180	1 356 220	616 369	935 591	2 699 290	1 198 288	584 914	916 088	X	X	X	X
31411	Carpet & rug mills	1999..	1 240 343	549 900	288 691	401 751	1 239 496	541 021	269 409	429 065	1	1	1	1
		1998..	1 455 485	681 738	309 724	464 023	1 384 459	647 861	292 123	444 474	1	1	1	1
		1997..	1 451 219	678 719	299 834	472 666	1 388 259	610 900	324 434	452 925	X	X	X	X
314110	Carpet & rug mills	1999..	1 240 343	549 900	288 691	401 751	1 239 496	541 021	269 409	429 065	1	1	1	1
		1998..	1 455 485	681 738	309 724	464 023	1 384 459	647 861	292 123	444 474	1	1	1	1
		1997..	1 451 219	678 719	299 834	472 666	1 388 259	610 900	324 434	452 925	X	X	X	X
31412	Curtain & linen mills	1999..	1 579 548	746 192	304 763	528 593	1 469 681	682 949	299 970	486 762	2	3	2	3
		1998..	1 547 736	715 204	319 283	513 250	1 472 850	700 331	311 202	461 317	3	2	4	4
		1997..	1 456 961	677 501	316 535	462 925	1 311 031	587 388	260 480	463 163	X	X	X	X
314121	Curtain & drapery mills	1999..	258 078	94 343	31 808	131 927	252 860	93 908	45 161	113 791	4	6	5	5
		1998..	286 190	106 281	45 500	134 409	273 152	94 674	51 642	126 835	3	6	10	4
		1997..	265 520	90 388	51 619	123 513	249 845	81 329	47 941	120 575	X	X	X	X
314129	Other household textile product mills	1999..	1 321 470	651 848	272 956	396 666	1 216 821	589 040	254 810	372 971	2	3	3	4
		1998..	1 261 547	608 922	273 783	378 841	1 199 698	605 657	259 559	334 482	3	2	4	5
		1997..	1 191 441	587 113	264 916	339 412	1 061 186	506 059	212 539	342 588	X	X	X	X
3149	Other textile product mills	1999..	1 496 782	656 846	228 225	611 711	1 451 664	631 305	222 557	597 802	2	2	3	3
		1998..	1 410 347	603 557	192 804	613 985	1 417 985	593 209	202 576	622 200	2	3	4	3
		1997..	1 422 813	604 698	212 311	605 804	1 364 214	581 006	192 596	590 612	X	X	X	X
31491	Textile bag & canvas mills	1999..	349 208	128 403	53 109	167 697	343 459	124 753	51 418	167 289	3	4	4	4
		1998..	330 673	127 196	46 010	157 466	350 193	127 591	50 692	171 909	3	3	5	4
		1997..	350 059	127 399	51 618	171 042	322 220	117 913	46 895	157 412	X	X	X	X
314911	Textile bag mills	1999..	136 165	48 325	18 402	69 438	131 018	43 752	17 807	69 459	5	7	8	6
		1998..	143 611	49 905	18 666	75 041	153 807	51 172	20 933	81 702	2	3	3	3
		1997..	153 995	50 964	21 003	82 028	135 812	44 055	16 693	75 064	X	X	X	X
314912	Canvas & related product mills	1999..	213 043	80 078	34 707	98 258	212 441	81 000	33 611	97 830	3	4	5	4
		1998..	187 062	77 292	27 345	82 425	196 386	76 420	29 759	90 207	5	4	8	8
		1997..	196 064	76 435	30 615	89 014	186 408	73 858	30 202	82 348	X	X	X	X
31499	All other textile product mills ..	1999..	1 147 574	528 444	175 116	444 014	1 108 205	506 552	171 140	430 513	2	3	3	4
		1998..	1 079 674	476 361	146 794	456 519	1 067 792	465 618	151 884	450 290	3	4	5	3
		1997..	1 072 754	477 299	160 693	434 762	1 041 994	463 093	145 701	433 200	X	X	X	X
314991	Rope, cordage, & twine mills	1999..	149 424	88 602	24 379	36 443	145 796	89 081	22 919	33 797	6	4	3	16
		1998..	135 975	73 863	21 226	40 887	158 409	86 995	24 620	47 694	11	10	22	11
		1997..	157 789	84 986	24 255	48 548	141 534	80 631	16 636	44 267	X	X	X	X
314992	Tire cord & tire fabric mills ..	1999..	139 838	68 632	29 986	41 220	154 022	64 393	33 637	55 992	1	1	1	1
		1998..	138 800	57 775	27 338	53 688	133 577	59 965	26 288	47 324	3	1	2	7
		1997..	133 577	59 965	26 288	47 324	121 983	55 446	26 783	39 754	X	X	X	X
314999	All other miscellaneous textile product mills	1999..	858 311	371 209	120 751	366 351	808 387	353 079	114 584	340 724	3	4	5	4
		1998..	804 898	344 723	98 231	361 944	775 807	319 558	100 977	355 272	3	5	6	3
		1997..	781 388	332 348	110 150	338 890	778 477	327 016	102 282	349 179	X	X	X	X
315	Apparel mfg	1999..	9 477 096	4 880 738	1 959 443	2 636 915	9 266 265	4 726 605	1 850 518	2 689 141	2	2	1	2
		1998..	9 575 323	4 866 890	2 034 348	2 674 086	9 553 203	4 748 810	2 032 143	2 752 250	1	1	1	2
		1997..	9 266 744	4 465 689	2 010 164	2 790 891	8 856 417	4 204 660	1 825 616	2 826 141	X	X	X	X
3151	Apparel knitting mills	1999..	1 086 057	474 108	371 534	240 415	1 032 109	469 847	328 939	233 322	2	2	2	3
		1998..	1 084 429	464 697	383 067	236 665	1 022 632	414 989	353 620	254 023	2	2	6	2
		1997..	1 065 481	449 805	343 241	272 435	1 100 884	465 692	351 924	283 268	X	X	X	X
31511	Hosiery & sock mills	1999..	569 146	238 961	206 870	123 315	560 265	244 045	197 707	118 512	2	4	3	5
		1998..	575 285	240 019	212 297	122 969	593 903	256 672	200 784	136 447	1	2	2	3
		1997..	594 831	264 093	193 766	136 972	595 820	252 620	209 657	133 543	X	X	X	X
315111	Sheer hosiery mills	1999..	218 858	78 588	97 901	42 368	244 564	103 210	99 503	41 851	3	4	4	5
		1998..	248 612	103 044	101 489	44 080	238 557	97 676	91 801	49 080	1	3	2	5
		1997..	250 891	104 339	95 743	50 809	264 670	106 129	109 550	48 991	X	X	X	X
315119	Other hosiery & sock mills ..	1999..	350 287	160 372	108 968	80 947	315 700	140 835	98 204	76 661	3	6	5	7
		1998..	326 673	136 975	110 809	78 889	355 346	158 996	108 983	87 367	2	3	2	3
		1997..	343 940	159 754	98 023	86 163	331 150	146 491	100 107	84 552	X	X	X	X
31519	Other apparel knitting mills ..	1999..	516 911	235 148	164 664	117 100	471 844	225 802	131 232	114 810	2	2	3	3
		1998..	509 144	224 678	170 770	113 696	428 729	158 317	152 836	117 576	4	4	14	2
		1997..	470 650	185 712	149 475	135 463	505 064	213 072	142 267	149 725	X	X	X	X
315191	Outerwear knitting mills	1999..	424 495	195 452	133 159	95 885	386 411	185 811	107 326	93 274	3	3	4	3
		1998..	397 018	185 100	117 268	94 649	338 530	112 435	126 310	99 786	2	2	4	2
		1997..	351 513	117 085	122 834	111 594	389 305	146 694	118 245	124 366	X	X	X	X
315192	Underwear & nightwear knitting mills	1999..	92 416	39 696	31 505	21 215	85 433	39 991	23 906	21 536	3	4	4	3
		1998..	112 126	39 577	53 501	19 047	90 199	45 882	26 526	17 791	15	18	45	1
		1997..	119 137	68 627	26 641	23 869	115 759	66 378	24 022	25 359	X	X	X	X
3152	Cut & sew apparel mfg	1999..	7 636 517	4 023 567	1 500 078	2 112 872	7 491 655	3 882 998	1 439 511	2 169 147	2	2	2	2
		1998..	7 703 624	3 994 488	1 560 569	2 148 567	7 757 892	3 960 849	1 584 434	2 212 609	1	2	1	2
		1997..	7 470 432	3 648 596	1 571 462	2 250 374	7 045 138	3 369 907	1 382 682	2 292 549	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
315	Apparel mfg—Con.												
3152	Cut & sew apparel mfg—Con.												
31521	Cut & sew apparel contractors	1999.. 323 239	92 117	64 455	166 667	356 132	130 320	66 474	159 338	16	25	20	15
		1998.. 451 360	96 090	84 292	270 977	494 918	132 497	98 556	263 865	4	11	5	4
		1997.. 506 194	107 151	104 397	294 646	538 250	112 142	79 221	346 887	X	X	X	X
315211	Men's & boys' cut & sew apparel contractors	1999.. 103 749	26 931	28 867	47 951	125 559	65 331	27 377	32 851	7	10	12	7
		1998.. 110 922	26 606	36 552	47 765	135 742	52 604	46 466	36 671	5	8	2	8
		1997.. 93 041	15 408	42 820	34 813	124 514	42 615	37 080	44 819	X	X	X	X
315212	Women's, girls', & infants' cut & sew apparel contractors	1999.. 219 490	65 186	35 588	118 716	230 573	64 989	39 097	126 487	23	35	35	21
		1998.. 340 437	69 485	47 740	223 213	359 176	79 893	52 090	227 194	5	14	8	5
		1997.. 413 153	91 743	61 577	259 833	413 736	69 527	42 141	302 068	X	X	X	X
31522	Men's & boys' cut & sew apparel mfg	1999.. 2 947 923	1 582 541	602 907	762 474	2 877 799	1 455 064	581 408	841 327	4	5	2	4
		1998.. 2 901 613	1 493 430	596 876	811 307	2 833 706	1 465 165	602 168	766 373	1	1	1	1
		1997.. 2 876 604	1 480 167	625 838	770 599	2 652 250	1 350 191	532 773	769 286	X	X	X	X
315221	Men's & boys' cut & sew underwear & nightwear mfg	1999.. 176 772	103 808	35 061	37 903	209 371	137 624	31 403	40 344	6	5	12	6
		1998.. 103 687	43 008	22 937	37 743	100 617	43 516	23 171	33 930	2	2	2	2
		1997.. 135 072	71 935	30 121	33 016	121 332	57 198	30 139	33 995	X	X	X	X
315222	Men's & boys' cut & sew suit, coat, & overcoat mfg	1999.. 452 169	248 648	75 496	128 026	381 096	179 662	86 642	114 792	21	30	4	13
		1998.. 380 998	189 610	77 533	113 855	366 247	170 554	86 323	109 370	2	3	3	1
		1997.. 433 246	214 100	107 759	111 387	400 738	192 726	80 776	127 236	X	X	X	X
315223	Men's & boys' cut & sew shirt (exc work shirt) mfg ..	1999.. 871 689	514 639	186 839	170 211	782 449	403 314	167 135	212 000	2	3	4	5
		1998.. 943 350	567 641	185 695	190 015	914 617	563 368	175 288	175 961	2	2	4	3
		1997.. 854 696	508 979	173 500	172 217	830 484	493 424	158 668	178 392	X	X	X	X
315224	Men's & boys' cut & sew trouser, slack, & jean mfg	1999.. 740 702	349 477	200 840	190 386	769 966	358 374	192 129	219 463	2	4	2	2
		1998.. 781 474	362 487	201 448	217 539	799 415	379 640	207 968	211 808	1	1	1	1
		1997.. 746 677	344 998	197 084	204 595	645 255	306 079	153 920	185 256	X	X	X	X
315225	Men's & boys' cut & sew work clothing mfg	1999.. 322 584	163 574	46 344	112 665	322 951	162 223	46 152	114 576	7	12	4	4
		1998.. 314 167	137 193	52 499	124 475	282 983	124 252	48 719	110 012	5	6	6	6
		1997.. 289 087	127 571	54 426	107 090	248 709	107 608	40 889	100 212	X	X	X	X
315228	Men's & boys' cut & sew other outerwear mfg	1999.. 384 006	202 394	58 328	123 284	411 966	213 868	57 947	140 151	12	10	19	21
		1998.. 377 936	193 491	56 765	127 680	369 826	183 835	60 699	125 292	2	2	2	3
		1997.. 417 826	212 584	62 948	142 294	405 732	193 156	68 381	144 195	X	X	X	X
31523	Women's & girls' cut & sew apparel mfg	1999.. 3 910 217	2 097 801	750 996	1 061 420	3 856 787	2 084 098	716 998	1 055 691	2	2	2	2
		1998.. 3 911 823	2 116 647	798 702	996 474	3 996 604	2 133 842	810 301	1 052 461	1	1	1	1
		1997.. 3 634 683	1 804 520	769 133	1 061 030	3 441 107	1 684 410	699 744	1 056 953	X	X	X	X
315231	Women's & girls' cut/sew lingerie & nightwear mfg ..	1999.. 568 763	262 369	94 915	211 479	616 861	309 940	93 330	213 591	6	10	7	4
		1998.. 667 748	367 933	101 698	198 117	718 985	396 470	115 729	206 786	3	3	5	3
		1997.. 747 553	410 857	115 685	221 011	828 593	472 517	119 744	236 332	X	X	X	X
315232	Women's & girls' cut & sew blouse & shirt mfg	1999.. 1 066 798	689 156	182 237	195 405	1 006 806	637 897	164 516	204 393	2	2	6	4
		1998.. 987 296	659 658	163 872	163 766	984 720	613 307	174 239	197 174	1	1	1	3
		1997.. 569 027	268 653	131 971	168 403	505 723	225 244	111 395	169 084	X	X	X	X
315233	Women's & girls' cut & sew dress mfg	1999.. 657 523	295 958	158 059	203 506	637 960	281 929	155 750	200 282	4	7	2	3
		1998.. 616 700	269 337	149 042	198 321	645 976	273 017	157 764	215 195	1	1	2	3
		1997.. 609 885	239 569	165 955	204 361	562 077	200 176	144 184	217 717	X	X	X	X
315234	Women's & girls' cut & sew suit, coat, skirt mfg	1999.. 328 425	149 643	57 654	121 128	317 013	148 511	49 099	119 403	7	9	9	8
		1998.. 626 436	308 565	158 166	159 705	654 485	337 620	162 343	154 522	2	2	1	3
		1997.. 632 039	349 737	115 626	166 676	549 963	284 258	101 967	163 738	X	X	X	X
315239	Women's & girls' cut & sew other outerwear mfg	1999.. 1 288 708	700 675	258 131	329 901	1 278 146	705 820	254 304	318 022	2	2	3	3
		1998.. 1 013 642	511 154	225 925	276 564	992 437	513 428	200 226	278 783	1	2	2	3
		1997.. 1 076 179	535 704	239 896	300 579	994 751	502 215	222 454	270 082	X	X	X	X
31529	Other cut & sew apparel mfg	1999.. 455 138	251 108	81 720	122 311	400 937	213 516	74 631	112 790	7	8	5	8
		1998.. 438 828	288 321	80 698	69 809	432 664	229 345	73 409	129 911	8	22	10	66
		1997.. 452 951	256 758	72 094	124 099	413 531	223 164	70 944	119 423	X	X	X	X
315291	Infants' cut & sew apparel mfg	1999.. 165 715	79 672	42 022	44 021	127 859	54 047	38 832	34 981	18	24	8	18
		1998.. 141 538	67 357	36 778	37 404	170 829	94 780	38 933	37 116	15	22	4	14
		1997.. 99 677	37 322	33 350	29 005	97 838	41 681	29 149	27 008	X	X	X	X
315292	Fur & leather apparel mfg ..	1999.. 52 270	25 188	9 388	17 694	49 904	21 479	9 147	19 278	10	8	9	31
		1998.. 35 837	20 944	6 443	8 450	35 497	19 077	7 381	9 038	3	5	7	3
		1997.. 36 738	20 232	7 535	8 971	37 255	19 320	7 506	10 429	X	X	X	X
315299	All other cut & sew apparel mfg	1999.. 237 153	146 248	30 310	60 596	223 173	137 990	26 652	58 531	4	4	5	A
		1998.. 261 453	200 020	37 478	23 955	226 339	115 488	27 095	83 757	10	31	21	A
		1997.. 316 536	199 204	31 209	86 123	278 438	162 163	34 289	81 986	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
315	Apparel mfg—Con.												
3159	Apparel accessories & other apparel mfg	1999.. 754 522	383 062	87 832	283 628	742 501	373 761	82 068	286 672	2	3	3	3
		1998.. 787 271	407 705	90 712	288 854	752 679	372 971	94 089	285 618	1	1	1	2
		1997.. 730 831	367 288	95 461	268 082	710 395	369 061	91 010	250 324	X	X	X	X
31599	Apparel accessories & other apparel mfg	1999.. 754 522	383 062	87 832	283 628	742 501	373 761	82 068	286 672	2	3	3	3
		1998.. 787 271	407 705	90 712	288 854	752 679	372 971	94 089	285 618	1	1	1	2
		1997.. 730 831	367 288	95 461	268 082	710 395	369 061	91 010	250 324	X	X	X	X
315991	Hat, cap, & millinery mfg ...	1999.. 184 203	83 557	21 522	79 124	193 019	84 998	22 953	85 068	6	8	8	8
		1998.. 192 640	90 010	23 419	79 210	176 434	82 396	24 296	69 742	2	3	1	4
		1997.. 186 120	87 397	24 582	74 141	194 941	93 786	23 865	77 290	X	X	X	X
315992	Glove & mitten mfg	1999.. 123 305	83 341	13 605	26 359	128 097	84 127	12 776	31 193	3	3	3	A
		1998.. 139 445	86 349	15 663	37 432	140 069	86 310	15 867	37 892	1	1	2	A
		1997.. 130 738	83 304	15 224	32 210	124 765	81 068	16 560	27 137	X	X	X	X
315993	Men's & boys' neckwear mfg	1999.. 88 021	52 307	8 755	26 958	89 288	54 981	8 594	25 713	4	4	13	7
		1998.. 101 755	63 906	10 501	27 349	91 120	51 652	11 799	27 669	2	1	7	3
		1997.. 91 176	51 830	11 697	27 349	89 329	49 276	12 173	27 880	X	X	X	X
315999	Other apparel accessories & other apparel mfg	1999.. 358 993	163 858	43 949	151 186	332 098	149 655	37 745	144 698	2	6	3	4
		1998.. 353 431	167 440	41 129	144 863	345 056	152 614	42 127	150 316	2	3	1	2
		1997.. 322 797	144 757	43 958	134 082	301 360	144 931	38 412	118 017	X	X	X	X
316	Leather & allied product mfg	1999.. 1 700 909	946 888	282 122	471 899	1 683 024	918 564	280 166	484 294	5	6	2	6
		1998.. 1 744 860	965 287	278 455	501 119	1 717 487	904 127	304 702	508 658	2	2	3	3
		1997.. 1 717 650	878 447	316 199	523 004	1 676 961	857 036	325 592	494 333	X	X	X	X
3161	Leather & hide tanning & finishing.....	1999.. 359 911	132 939	148 250	78 722	379 561	139 411	158 141	82 009	2	5	2	1
		1998.. 366 955	136 423	149 060	81 472	369 811	124 306	162 040	83 465	4	9	3	7
		1997.. 390 223	128 150	169 238	92 835	409 247	132 610	175 691	100 946	X	X	X	X
31611	Leather & hide tanning & finishing.....	1999.. 359 911	132 939	148 250	78 722	379 561	139 411	158 141	82 009	2	5	2	1
		1998.. 366 955	136 423	149 060	81 472	369 811	124 306	162 040	83 465	4	9	3	7
		1997.. 390 223	128 150	169 238	92 835	409 247	132 610	175 691	100 946	X	X	X	X
316110	Leather & hide tanning & finishing.....	1999.. 359 911	132 939	148 250	78 722	379 561	139 411	158 141	82 009	2	5	2	1
		1998.. 366 955	136 423	149 060	81 472	369 811	124 306	162 040	83 465	4	9	3	7
		1997.. 390 223	128 150	169 238	92 835	409 247	132 610	175 691	100 946	X	X	X	X
3162	Footwear mfg.....	1999.. 856 393	567 927	70 846	217 619	785 006	500 096	68 350	216 560	10	10	6	12
		1998.. 801 627	517 012	67 121	217 494	837 467	529 589	77 827	230 051	4	4	8	7
		1997.. 818 616	500 945	82 129	235 542	782 364	473 584	82 408	226 372	X	X	X	X
31621	Footwear mfg	1999.. 856 393	567 927	70 846	217 619	785 006	500 096	68 350	216 560	10	10	6	12
		1998.. 801 627	517 012	67 121	217 494	837 467	529 589	77 827	230 051	4	4	8	7
		1997.. 818 616	500 945	82 129	235 542	782 364	473 584	82 408	226 372	X	X	X	X
316211	Rubber & plastics footwear mfg	1999.. 215 604	167 299	18 268	30 037	169 187	120 267	17 223	31 698	11	8	14	23
		1998.. 217 992	151 334	20 118	46 540	124 979	150 126	21 072	43 781	2	1	2	9
		1997.. 177 316	112 667	20 938	43 711	162 484	105 831	18 996	37 657	X	X	X	X
316212	House slipper mfg	1999.. 54 097	27 572	2 403	24 122	52 951	27 546	2 490	22 915	1	1	1	1
		1998.. 55 345	25 548	3 160	26 637	58 806	32 683	3 445	22 679	1	2	3	1
		1997.. 65 207	36 525	6 164	22 518	55 172	27 913	5 538	21 721	X	X	X	X
316213	Men's footwear (except athletic) mfg	1999.. 476 636	319 201	30 359	127 076	459 744	300 363	31 642	127 739	17	16	8	19
		1998.. 432 312	293 719	27 693	110 900	436 922	284 843	31 514	120 565	4	3	12	8
		1997.. 451 677	291 596	33 032	127 049	425 138	269 717	34 601	120 820	X	X	X	X
316214	Women's footwear (except athletic) mfg	1999.. 73 240	33 250	14 722	25 268	65 061	31 389	11 478	22 195	15	13	19	15
		1998.. 47 949	22 075	9 130	16 745	85 207	38 930	16 779	29 498	60	71	41	60
		1997.. 84 796	38 738	16 933	29 125	94 204	44 278	18 392	31 534	X	X	X	X
316219	Other footwear mfg	1999.. 36 817	20 605	5 095	11 117	38 063	20 532	5 518	12 013	7	8	8	9
		1998.. 48 028	24 337	7 019	16 672	41 553	23 008	5 017	13 529	11	5	27	15
		1997.. 39 620	21 419	5 062	13 139	45 366	25 845	4 881	14 640	X	X	X	X
3169	Other leather & allied product mfg	1999.. 484 605	246 022	63 026	175 557	518 457	279 057	53 674	185 726	2	1	3	3
		1998.. 576 279	311 852	62 275	202 153	510 209	250 232	64 835	195 142	1	1	3	2
		1997.. 508 811	249 352	64 832	194 627	485 350	250 842	67 493	167 015	X	X	X	X
31699	Other leather & allied product mfg	1999.. 484 605	246 022	63 026	175 557	518 457	279 057	53 674	185 726	2	1	3	3
		1998.. 576 279	311 852	62 275	202 153	510 209	250 232	64 835	195 142	1	1	3	2
		1997.. 508 811	249 352	64 832	194 627	485 350	250 842	67 493	167 015	X	X	X	X
316991	Luggage mfg	1999.. 224 514	141 361	14 216	68 937	236 699	148 824	14 834	73 040	3	2	8	6
		1998.. 253 868	157 559	17 614	78 695	214 746	111 589	21 393	81 764	1	1	2	1
		1997.. 211 261	111 652	19 941	79 668	207 263	104 360	25 985	76 918	X	X	X	X
316992	Women's handbag & purse mfg	1999.. 50 762	16 164	6 477	28 121	56 331	15 683	7 082	33 565	1	1	3	1
		1998.. 69 000	25 924	8 232	34 844	59 278	17 614	7 614	27 661	2	3	6	1
		1997.. 59 612	24 212	7 766	27 634	44 913	26 763	4 079	14 071	X	X	X	X
316993	Personal leather good (except women's handbag & purse) mfg	1999.. 62 089	33 895	5 287	22 906	61 377	32 869	5 790	22 719	4	5	4	5
		1998.. 73 391	31 997	9 202	32 191	74 289	33 771	9 046	31 471	2	1	7	1
		1997.. 77 060	33 164	11 144	32 752	80 240	37 281	10 396	32 563	X	X	X	X
316999	All other leather good mfg ..	1999.. 147 241	54 603	37 045	55 592	164 050	81 680	25 968	56 402	3	3	3	3
		1998.. 180 020	96 371	27 226	56 423	161 897	80 868	26 782	54 246	1	4	7	6
		1997.. 160 878	80 324	25 981	54 573	152 934	82 438	27 033	43 463	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
321	Wood product mfg	1999..	10 165 257	3 760 565	2 048 147	4 356 544	9 693 005	3 536 184	1 982 615	4 174 206	1	2	2	1
		1998..	9 407 080	3 434 621	1 915 170	4 057 289	9 465 480	3 451 777	1 917 779	4 095 924	1	2	2	2
		1997..	9 441 249	3 448 730	1 910 005	4 082 514	8 822 850	3 222 245	1 814 025	3 786 580	X	X	X	X
3211	Sawmills & wood preservation ..	1999..	3 783 919	1 631 338	871 101	1 281 480	3 656 150	1 564 429	849 722	1 241 999	2	2	3	4
		1998..	3 548 062	1 552 397	843 515	1 152 151	3 729 709	1 594 638	891 108	1 243 963	3	4	5	4
		1997..	3 719 714	1 600 313	874 310	1 245 091	3 443 319	1 482 817	814 055	1 146 447	X	X	X	X
32111	Sawmills & wood preservation	1999..	3 783 919	1 631 338	871 101	1 281 480	3 656 150	1 564 429	849 722	1 241 999	2	2	3	4
		1998..	3 548 062	1 552 397	843 515	1 152 151	3 729 709	1 594 638	891 108	1 243 963	3	4	5	4
		1997..	3 719 714	1 600 313	874 310	1 245 091	3 443 319	1 482 817	814 055	1 146 447	X	X	X	X
321113	Sawmills	1999..	3 147 058	1 196 722	747 309	1 203 028	3 035 047	1 172 351	708 060	1 154 637	2	2	3	4
		1998..	2 943 212	1 147 567	696 611	1 099 035	3 119 643	1 191 968	757 352	1 170 322	3	5	5	4
		1997..	3 109 215	1 195 244	741 481	1 172 490	2 894 784	1 125 803	694 839	1 074 142	X	X	X	X
321114	Wood preservation	1999..	636 861	434 616	123 793	78 452	621 102	392 078	141 662	87 363	2	2	7	7
		1998..	604 850	404 830	146 905	53 116	610 067	402 669	133 756	73 641	6	6	17	29
		1997..	610 499	405 069	132 829	72 601	548 535	357 014	119 216	72 305	X	X	X	X
3212	Veneer, plywood, & engineered wood product mfg	1999..	1 873 354	666 893	235 104	971 357	1 747 124	606 013	215 766	925 345	2	3	9	2
		1998..	1 702 099	610 163	189 854	902 082	1 703 949	627 991	167 392	908 566	2	1	4	3
		1997..	1 721 182	627 708	183 693	909 781	1 583 769	568 289	175 990	839 490	X	X	X	X
32121	Veneer, plywood, & engineered wood product mfg	1999..	1 873 354	666 893	235 104	971 357	1 747 124	606 013	215 766	925 345	2	3	9	2
		1998..	1 702 099	610 163	189 854	902 082	1 703 949	627 991	167 392	908 566	2	1	4	3
		1997..	1 721 182	627 708	183 693	909 781	1 583 769	568 289	175 990	839 490	X	X	X	X
321211	Hardwood veneer & plywood mfg	1999..	463 449	195 270	61 656	206 524	461 093	203 309	57 743	200 040	3	3	12	6
		1998..	415 270	180 396	51 453	183 421	423 284	163 090	43 522	216 672	7	2	12	17
		1997..	424 786	163 108	44 209	217 469	394 217	158 413	37 277	198 527	X	X	X	X
321212	Softwood veneer & plywood mfg	1999..	406 679	101 685	101 014	203 980	367 119	83 208	67 605	196 307	5	2	20	3
		1998..	362 307	81 597	72 276	208 434	383 828	118 323	62 213	203 292	2	7	4	2
		1997..	405 576	123 879	78 084	203 613	385 158	116 275	79 817	189 066	X	X	X	X
321213	Engineered wood member (except truss) mfg	1999..	198 566	115 388	15 493	67 685	141 359	67 212	14 902	59 246	5	18	3	19
		1998..	154 374	92 232	14 073	48 069	158 194	88 096	14 338	55 760	1	1	8	1
		1997..	158 227	88 111	14 341	55 775	124 192	71 515	11 166	41 511	X	X	X	X
321214	Truss mfg	1999..	344 333	87 387	25 876	231 070	312 897	84 359	25 238	203 300	4	6	22	5
		1998..	303 108	85 648	19 405	198 055	283 750	79 943	16 515	187 293	3	7	8	3
		1997..	276 197	74 516	16 093	185 588	255 489	68 720	15 258	171 511	X	X	X	X
321219	Reconstituted wood product mfg	1999..	460 327	167 163	31 065	262 099	464 656	167 924	30 278	266 553	2	2	4	2
		1998..	467 040	170 290	32 646	264 103	454 893	178 539	30 804	245 549	1	1	2	1
		1997..	456 396	178 094	30 966	247 336	424 713	153 366	32 472	238 875	X	X	X	X
3219	Other wood product mfg	1999..	4 507 984	1 462 335	941 942	2 103 707	4 289 732	1 365 742	917 128	2 006 862	2	3	4	2
		1998..	4 156 919	1 272 062	881 801	2 003 056	4 031 822	1 229 149	859 279	1 943 395	1	2	2	1
		1997..	4 000 353	1 220 709	852 002	1 927 642	3 795 762	1 171 139	823 980	1 800 643	X	X	X	X
32191	Millwork	1999..	2 630 056	818 561	604 845	1 206 650	2 507 744	761 106	594 614	1 152 024	2	5	3	2
		1998..	2 479 805	746 840	598 154	1 134 810	2 486 360	750 320	598 980	1 137 061	1	3	2	2
		1997..	2 451 993	741 041	592 722	1 118 230	2 323 679	708 210	571 020	1 044 449	X	X	X	X
321911	Wood window & door mfg ..	1999..	1 079 484	287 975	213 638	577 871	1 008 817	247 103	212 644	549 071	3	10	3	4
		1998..	1 022 781	230 809	241 986	549 987	1 022 792	221 471	241 318	560 004	1	3	2	1
		1997..	1 008 225	219 029	238 065	551 131	995 380	221 290	250 771	523 319	X	X	X	X
321912	Cut stock, resawing lumber, & planing	1999..	822 668	307 906	201 742	313 020	780 543	290 514	201 416	288 613	3	6	6	4
		1998..	802 210	328 147	190 492	283 571	824 296	347 168	183 971	293 156	3	6	5	4
		1997..	818 187	342 467	182 078	293 642	768 544	329 991	168 424	270 129	X	X	X	X
321918	Other millwork (including flooring)	1999..	727 904	222 680	189 464	315 759	718 384	223 490	180 555	314 340	3	6	4	4
		1998..	654 813	187 885	165 677	301 252	639 273	181 681	173 691	283 901	2	2	2	3
		1997..	625 581	179 545	172 579	273 457	559 755	156 929	151 825	251 001	X	X	X	X
32192	Wood container & pallet mfg ..	1999..	442 265	138 219	70 955	233 090	417 966	132 902	69 946	215 118	5	12	4	4
		1998..	387 437	109 011	60 046	218 380	357 002	91 326	61 704	203 972	2	5	2	1
		1997..	357 877	92 038	61 437	204 402	332 410	88 060	59 612	184 738	X	X	X	X
321920	Wood container & pallet mfg	1999..	442 265	138 219	70 955	233 090	417 966	132 902	69 946	215 118	5	12	4	4
		1998..	387 437	109 011	60 046	218 380	357 002	91 326	61 704	203 972	2	5	2	1
		1997..	357 877	92 038	61 437	204 402	332 410	88 060	59 612	184 738	X	X	X	X
32199	All other wood product mfg ...	1999..	1 435 663	505 555	266 141	663 966	1 364 022	471 734	252 568	639 720	4	5	11	2
		1998..	1 289 677	416 210	223 601	649 866	1 188 460	387 503	198 595	602 362	1	1	5	1
		1997..	1 190 483	387 630	197 843	605 010	1 139 673	374 869	193 348	571 456	X	X	X	X
321991	Manufactured home (mobile home) mfg	1999..	481 886	141 747	70 030	270 108	430 517	103 277	66 595	260 646	5	14	3	2
		1998..	411 380	76 759	66 840	267 782	370 091	60 558	58 854	250 679	1	3	2	1
		1997..	369 809	61 150	58 750	249 909	353 238	60 927	53 288	239 023	X	X	X	X
321992	Prefabricated wood building mfg	1999..	313 605	80 571	49 497	183 536	284 984	73 951	45 166	165 867	3	5	7	3
		1998..	291 623	72 091	40 945	178 587	261 974	67 110	36 839	158 025	3	4	5	4
		1997..	262 136	66 889	36 544	158 703	263 351	68 004	36 774	158 573	X	X	X	X
321999	All other miscellaneous wood product mfg	1999..	640 172	283 236	146 614	210 322	648 521	294 507	140 807	213 207	8	6	20	6
		1998..	586 673	267 361	115 816	203 497	556 395	259 835	102 902	193 658	2	2	9	3
		1997..	558 538	259 591	102 549	196 398	523 084	245 938	103 286	173 860	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
322	Paper mfg	1999..	15 182 256	6 272 495	1 383 761	7 525 999	14 785 363	6 354 987	1 333 924	7 096 452	1	1	1	1
		1998..	15 345 406	6 559 318	1 389 878	7 396 210	15 040 034	6 228 824	1 433 717	7 377 493	1	1	1	2
		1997..	15 041 523	6 222 299	1 463 712	7 355 512	14 892 766	6 034 467	1 457 681	7 400 618	X	X	X	X
3221	Pulp, paper, & paperboard mills	1999..	6 623 390	2 742 755	507 606	3 373 029	6 739 549	2 930 171	499 774	3 309 604	1	1	1	1
		1998..	7 051 210	3 058 908	558 084	3 434 218	6 817 096	2 832 873	572 649	3 411 574	1	1	3	1
		1997..	6 850 669	2 828 538	606 623	3 415 508	6 981 686	2 802 532	607 302	3 571 852	X	X	X	X
32211	Pulp mills	1999..	361 804	163 621	21 349	176 834	389 437	197 088	22 620	169 729	1	1	2	1
		1998..	407 286	204 784	23 457	179 044	392 449	204 532	21 588	166 330	2	2	2	2
		1997..	394 275	205 504	21 599	167 172	472 894	243 223	45 737	183 934	X	X	X	X
322110	Pulp mills	1999..	361 804	163 621	21 349	176 834	389 437	197 088	22 620	169 729	1	1	2	1
		1998..	407 286	204 784	23 457	179 044	392 449	204 532	21 588	166 330	2	2	2	2
		1997..	394 275	205 504	21 599	167 172	472 894	243 223	45 737	183 934	X	X	X	X
32212	Paper mills	1999..	4 818 066	2 131 178	440 002	2 246 886	4 853 780	2 241 845	431 840	2 180 096	1	1	1	1
		1998..	5 101 286	2 345 501	489 532	2 266 253	4 890 109	2 132 824	498 769	2 258 516	1	1	3	1
		1997..	4 930 751	2 129 399	533 085	2 268 267	4 952 255	2 115 380	486 320	2 350 555	X	X	X	X
322121	Paper (except newsprint) mills	1999..	4 511 998	2 070 947	434 995	2 006 056	4 550 588	2 175 521	428 858	1 946 208	1	1	1	1
		1998..	4 746 728	2 271 797	482 357	1 992 574	4 534 292	2 050 918	489 653	1 993 721	1	1	3	1
		1997..	4 571 287	2 047 490	522 415	2 001 382	4 553 876	2 014 891	477 603	2 061 382	X	X	X	X
322122	Newsprint mills	1999..	306 068	60 231	5 007	240 830	303 193	66 324	2 981	233 887	2	1	16	2
		1998..	354 558	73 704	7 175	273 679	355 817	81 905	9 116	264 795	2	4	8	2
		1997..	359 464	81 909	10 670	266 885	398 379	100 489	8 717	289 173	X	X	X	X
32213	Paperboard mills	1999..	1 443 520	447 955	46 255	949 309	1 496 331	491 239	45 314	959 779	1	1	1	1
		1998..	1 542 638	508 622	45 095	988 921	1 534 538	495 518	52 292	986 728	1	1	1	1
		1997..	1 525 643	493 635	51 939	980 069	1 556 537	443 929	75 245	1 037 363	X	X	X	X
322130	Paperboard mills	1999..	1 443 520	447 955	46 255	949 309	1 496 331	491 239	45 314	959 779	1	1	1	1
		1998..	1 542 638	508 622	45 095	988 921	1 534 538	495 518	52 292	986 728	1	1	1	1
		1997..	1 525 643	493 635	51 939	980 069	1 556 537	443 929	75 245	1 037 363	X	X	X	X
3222	Converted paper product mfg	1999..	8 558 866	3 529 741	876 155	4 152 970	8 045 814	3 424 816	834 150	3 786 848	1	1	2	1
		1998..	8 294 196	3 500 410	831 794	3 961 992	8 222 938	3 395 950	861 069	3 965 920	2	2	1	3
		1997..	8 190 854	3 393 761	857 089	3 940 004	7 911 080	3 231 935	850 379	3 828 766	X	X	X	X
32221	Paperboard container mfg	1999..	4 500 380	1 663 093	367 598	2 469 688	4 034 355	1 545 662	331 998	2 156 695	1	2	2	2
		1998..	4 174 374	1 586 364	334 763	2 253 246	4 036 862	1 486 329	347 757	2 202 776	3	3	3	4
		1997..	4 029 927	1 486 719	347 554	2 195 654	3 976 715	1 450 895	349 469	2 176 351	X	X	X	X
322211	Corrugated & solid fiber box mfg	1999..	2 656 906	726 530	143 496	1 786 880	2 232 421	620 360	112 732	1 499 330	2	1	3	2
		1998..	2 264 685	665 379	110 074	1 489 231	2 211 842	596 465	122 631	1 492 746	3	5	5	3
		1997..	2 205 249	597 476	122 677	1 485 096	2 163 016	573 265	123 991	1 465 760	X	X	X	X
322212	Folding paperboard box mfg	1999..	1 109 529	585 653	177 698	346 177	1 070 672	572 759	173 955	323 958	1	2	2	2
		1998..	1 102 507	590 404	166 797	345 306	1 123 190	590 015	177 114	356 061	1	2	3	2
		1997..	1 131 761	593 900	178 334	359 527	1 144 980	599 415	181 395	364 170	X	X	X	X
322213	Setup paperboard box mfg	1999..	70 393	34 217	7 919	28 257	74 936	34 116	9 912	30 908	6	7	6	5
		1998..	S	S	S	S	S	S	S	S	X	X	X	X
		1997..	78 276	35 821	9 187	33 268	77 735	31 125	9 953	36 657	X	X	X	X
322214	Fiber can, tube, drum, & similar products mfg	1999..	189 002	45 619	10 695	132 688	173 999	42 949	7 406	123 644	4	4	5	5
		1998..	175 754	44 104	11 307	120 343	175 141	42 270	9 837	123 034	4	11	18	3
		1997..	176 401	42 078	10 159	124 164	180 618	43 751	8 985	127 882	X	X	X	X
322215	Nonfolding sanitary food container mfg	1999..	474 550	271 075	27 789	175 685	482 326	275 478	27 993	178 855	8	13	3	2
		1998..	420 891	210 504	27 767	182 620	436 662	217 278	27 173	192 211	2	3	1	2
		1997..	438 240	217 444	27 197	193 599	410 366	203 339	25 145	181 882	X	X	X	X
32222	Paper bag & coated & treated paper mfg	1999..	2 209 511	900 291	371 393	937 826	2 167 484	879 460	367 316	920 707	1	1	2	1
		1998..	2 225 159	891 664	371 036	962 459	2 258 497	874 485	382 732	1 001 279	1	1	1	2
		1997..	2 250 124	871 145	385 061	993 918	2 185 130	854 475	363 482	967 173	X	X	X	X
322221	Coated & laminated packaging paper & plastics film mfg	1999..	207 080	83 884	29 750	93 446	190 853	82 889	27 734	80 231	3	2	9	3
		1998..	171 911	82 144	20 836	68 932	187 802	83 526	22 457	81 819	9	4	15	21
		1997..	188 442	83 535	22 372	82 535	175 013	78 595	20 472	75 946	X	X	X	X
322222	Coated & laminated paper mfg	1999..	1 219 647	511 096	255 431	453 120	1 244 740	506 506	260 059	478 175	1	2	2	2
		1998..	1 294 723	513 433	267 497	513 793	1 282 806	493 849	270 103	518 854	1	1	1	1
		1997..	1 284 652	492 856	274 268	517 528	1 253 733	499 646	258 404	495 683	X	X	X	X
322223	Plastics, foil, & coated paper bag mfg	1999..	51 278	22 561	4 369	24 349	52 597	23 331	3 065	26 201	2	3	16	3
		1998..	61 134	26 117	4 871	30 147	63 130	29 061	6 566	27 503	2	2	15	3
		1997..	63 058	28 879	6 852	27 327	62 888	28 140	6 181	28 567	X	X	X	X
322224	Uncoated paper & multiwall bag mfg	1999..	426 546	158 714	33 741	234 091	391 581	143 668	31 164	216 750	2	2	8	4
		1998..	397 744	149 419	31 366	216 959	421 946	146 690	34 762	240 494	1	1	1	1
		1997..	415 233	144 422	34 654	236 157	401 445	139 048	31 589	230 808	X	X	X	X
322225	Laminated aluminum foil mfg for flexible packaging uses	1999..	212 820	90 834	39 204	82 782	203 421	85 821	37 228	80 372	1	1	2	2
		1998..	218 662	87 238	38 606	92 818	222 075	91 247	39 431	91 397	2	1	1	4
		1997..	217 605	91 204	37 315	89 086	209 036	78 726	37 677	92 633	X	X	X	X
322226	Surface-coated paperboard mfg	1999..	92 140	33 203	8 899	50 038	84 292	37 246	8 067	38 980	1	1	1	2
		1998..	80 985	33 313	7 861	39 811	80 738	30 113	9 413	41 212	3	4	1	3
		1997..	81 134	30 249	9 600	41 285	83 015	30 320	9 159	43 536	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
322	Paper mfg—Con.													
3222	Converted paper product mfg—Con.													
32223	Stationery product mfg	1999.. 974 699	573 810	66 400	334 489	986 690	595 398	69 976	321 316	1	2	5	2	
		1998.. 952 305	550 984	65 157	336 163	999 929	563 446	73 896	362 587	1	1	4	3	
		1997.. 995 268	570 422	71 512	353 334	818 531	428 360	81 084	309 087	X	X	X	X	
322231	Die-cut paper & paperboard office supplies mfg	1999.. 224 717	121 230	21 109	82 378	231 461	125 990	25 164	80 306	3	2	16	6	
		1998.. 234 953	123 284	22 346	89 323	244 550	134 142	23 262	87 146	2	1	7	6	
		1997.. 241 005	136 337	23 088	81 580	187 819	93 316	28 187	66 316	X	X	X	X	
322232	Envelope mfg	1999.. 361 146	201 758	25 593	133 794	353 538	196 242	25 778	131 518	1	2	4	3	
		1998.. 353 447	182 913	26 119	144 416	376 088	184 764	29 745	161 580	2	2	7	4	
		1997.. 374 132	187 059	27 925	159 148	357 526	167 644	33 187	156 695	X	X	X	X	
322233	Stationery, tablet, & related product mfg	1999.. 388 837	250 822	19 698	118 317	401 691	273 166	19 034	109 491	2	4	5	2	
		1998.. 363 904	244 787	16 693	102 424	379 290	244 540	20 889	113 861	2	2	8	6	
		1997.. 380 131	247 026	20 499	112 606	273 186	167 400	19 710	86 076	X	X	X	X	
32229	Other converted paper product mfg	1999.. 874 276	392 546	70 763	410 967	857 285	404 295	64 860	388 129	5	7	15	4	
		1998.. 942 359	471 397	60 838	410 124	927 651	471 690	56 683	399 277	6	10	5	9	
		1997.. 915 535	465 475	52 962	397 098	930 704	498 205	56 344	376 155	X	X	X	X	
322291	Sanitary paper product mfg	1999.. 413 389	197 504	23 327	192 559	398 094	213 707	16 311	168 076	8	9	8	8	
		1998.. 525 278	288 585	21 173	215 520	494 872	261 173	18 517	215 182	2	3	5	1	
		1997.. 483 062	249 581	17 628	215 853	508 611	272 743	19 749	216 119	X	X	X	X	
322299	All other converted paper product mfg	1999.. 460 887	195 042	47 436	218 409	459 191	190 589	48 549	220 053	5	10	22	4	
		1998.. 417 081	182 812	39 665	194 604	432 779	210 518	38 166	184 095	13	26	8	18	
		1997.. 432 473	215 894	35 334	181 245	422 093	225 462	36 595	160 036	X	X	X	X	
323	Printing & related support activities	1999.. 6 568 629	1 665 436	1 847 507	3 055 686	6 358 590	1 665 486	1 791 706	2 901 397	2	4	3	3	
		1998.. 6 625 327	1 624 583	1 866 721	3 134 024	6 642 088	1 590 265	1 852 925	3 198 899	1	2	1	1	
		1997.. 6 621 144	1 542 988	1 860 779	3 217 377	6 396 004	1 486 219	1 790 092	3 119 693	X	X	X	X	
3231	Printing & related support activities	1999.. 6 568 629	1 665 436	1 847 507	3 055 686	6 358 590	1 665 486	1 791 706	2 901 397	2	4	3	3	
		1998.. 6 625 327	1 624 583	1 866 721	3 134 024	6 642 088	1 590 265	1 852 925	3 198 899	1	2	1	1	
		1997.. 6 621 144	1 542 988	1 860 779	3 217 377	6 396 004	1 486 219	1 790 092	3 119 693	X	X	X	X	
32311	Printing	1999.. 6 198 381	1 585 859	1 680 917	2 931 605	6 014 308	1 590 332	1 641 184	2 782 792	3	4	3	3	
		1998.. 6 260 467	1 550 067	1 699 912	3 010 488	6 285 633	1 517 612	1 693 441	3 074 581	1	3	1	1	
		1997.. 6 254 827	1 470 399	1 693 841	3 090 587	6 022 268	1 408 458	1 624 751	2 989 059	X	X	X	X	
323110	Commercial lithographic printing	1999.. 2 985 671	495 769	953 701	1 536 200	2 896 519	524 194	939 535	1 432 790	5	14	5	6	
		1998.. 2 997 253	427 413	974 444	1 595 396	3 045 280	446 127	972 368	1 626 785	1	4	2	1	
		1997.. 3 041 671	413 116	987 254	1 641 301	2 884 609	375 922	928 333	1 580 354	X	X	X	X	
323111	Commercial gravure printing	1999.. 302 681	59 889	108 436	134 356	300 652	57 944	112 164	130 544	2	5	3	2	
		1998.. 328 428	62 953	117 344	148 131	285 384	52 594	108 442	124 347	7	11	2	9	
		1997.. 287 978	55 382	108 752	123 844	290 583	46 413	115 252	128 918	X	X	X	X	
323112	Commercial flexographic printing	1999.. 411 069	140 257	84 503	186 309	394 588	130 162	84 211	180 215	3	5	4	3	
		1998.. 394 499	125 363	84 361	184 775	378 862	114 805	80 816	183 242	2	3	2	2	
		1997.. 384 894	116 714	80 859	187 321	354 342	114 925	60 617	178 800	X	X	X	X	
323113	Commercial screen printing	1999.. 627 386	243 867	103 994	279 525	630 094	249 764	98 859	281 471	3	4	5	4	
		1998.. 660 185	257 295	102 501	300 389	652 907	300 389	99 655	295 084	2	2	4	4	
		1997.. 665 918	264 227	102 397	299 294	640 152	271 501	104 617	264 034	X	X	X	X	
323114	Quick printing	1999.. 251 050	49 140	63 097	138 813	226 502	52 526	54 687	119 289	5	18	4	5	
		1998.. 219 175	50 057	54 036	115 082	224 490	44 213	58 159	122 119	2	5	3	2	
		1997.. 210 543	43 451	54 726	112 366	211 217	37 038	58 759	115 420	X	X	X	X	
323115	Digital printing	1999.. 26 666	6 455	5 431	14 781	23 646	5 852	4 855	12 939	8	30	8	4	
		1998.. 26 868	5 629	6 262	14 977	24 091	5 158	5 945	12 988	2	2	2	3	
		1997.. 22 380	4 674	5 454	12 252	22 829	4 578	6 091	12 160	X	X	X	X	
323116	Manifold business form printing	1999.. 700 255	339 678	83 809	276 768	698 441	343 319	86 419	268 703	2	2	4	3	
		1998.. 690 816	337 669	84 896	268 252	779 303	379 257	95 841	304 205	3	6	4	4	
		1997.. 754 307	361 383	84 192	308 732	740 098	358 232	84 637	297 229	X	X	X	X	
323117	Book printing	1999.. 392 352	32 226	183 530	176 596	368 040	32 180	167 340	168 520	3	7	3	4	
		1998.. 378 334	32 405	167 543	178 386	385 213	32 924	165 676	186 613	1	2	2	2	
		1997.. 387 371	33 841	162 744	190 786	386 515	30 027	165 820	190 668	X	X	X	X	
323118	Blankbook, looseleaf binder, & device mfg	1999.. 277 487	146 666	46 309	84 512	267 340	127 893	46 382	93 065	2	3	3	3	
		1998.. 281 980	151 848	45 793	84 339	248 309	104 045	44 793	99 471	8	16	3	4	
		1997.. 246 838	104 662	43 793	98 383	237 982	103 123	38 932	95 927	X	X	X	X	
323119	Other commercial printing	1999.. 223 763	71 911	48 108	103 744	208 485	66 498	46 731	95 256	5	8	11	5	
		1998.. 282 930	99 435	62 733	120 762	261 793	80 322	61 745	119 726	5	14	4	2	
		1997.. 252 927	72 949	63 670	116 308	253 941	66 699	61 693	125 549	X	X	X	X	
32312	Support activities for printing	1999.. 370 248	79 577	166 590	124 081	344 282	75 155	150 522	118 605	3	10	3	6	
		1998.. 364 860	74 516	166 808	123 535	356 455	72 653	159 484	124 317	3	10	4	3	
		1997.. 366 317	72 589	166 938	126 790	373 736	77 761	165 341	130 634	X	X	X	X	
323121	Tradebinding & related work	1999.. 171 730	58 880	44 275	68 575	152 923	55 594	36 452	60 877	5	8	6	9	
		1998.. 155 722	57 027	38 252	60 443	158 871	56 581	40 147	62 143	3	3	4	4	
		1997.. 161 641	56 476	40 290	64 875	164 947	57 288	41 440	66 219	X	X	X	X	
323122	Prepress services	1999.. 198 518	20 697	122 315	55 505	191 359	19 560	114 070	57 728	5	31	3	6	
		1998.. 209 137	17 489	128 556	63 092	197 584	16 073	119 337	62 174	5	39	5	5	
		1997.. 204 676	16 113	126 648	61 915	208 789	20 473	123 901	64 415	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
324	Petroleum & coal products mfg . . .	1999..	11 159 714	4 955 245	2 814 855	3 389 614	9 081 028	4 159 444	2 220 222	2 701 363	2	1	1	4
		1998..	9 194 929	4 164 926	2 267 407	2 762 596	11 940 951	5 458 963	2 997 721	3 484 267	1	1	1	1
		1997..	11 492 679	5 152 940	2 848 099	3 491 640	12 009 719	5 604 457	2 668 928	3 736 334	X	X	X	X
3241	Petroleum & coal products mfg	1999..	11 159 714	4 955 245	2 814 855	3 389 614	9 081 028	4 159 444	2 220 222	2 701 363	2	1	1	4
		1998..	9 194 929	4 164 926	2 267 407	2 762 596	11 940 951	5 458 963	2 997 721	3 484 267	1	1	1	1
		1997..	11 492 679	5 152 940	2 848 099	3 491 640	12 009 719	5 604 457	2 668 928	3 736 334	X	X	X	X
32411	Petroleum refineries	1999..	9 740 100	4 223 207	2 730 391	2 786 501	7 730 527	3 484 840	2 147 072	2 098 615	2	1	1	5
		1998..	7 846 209	3 516 327	2 157 379	2 172 503	10 422 796	4 734 366	2 872 921	2 815 509	1	1	1	1
		1997..	10 015 426	4 447 686	2 735 833	2 831 907	10 512 430	4 860 349	2 557 235	3 094 846	X	X	X	X
324110	Petroleum refineries	1999..	9 740 100	4 223 207	2 730 391	2 786 501	7 730 527	3 484 840	2 147 072	2 098 615	2	1	1	5
		1998..	7 846 209	3 516 327	2 157 379	2 172 503	10 422 796	4 734 366	2 872 921	2 815 509	1	1	1	1
		1997..	10 015 426	4 447 686	2 735 833	2 831 907	10 512 430	4 860 349	2 557 235	3 094 846	X	X	X	X
32412	Asphalt paving, roofing, & saturated materials mfg	1999..	697 879	398 031	21 185	278 663	646 066	365 194	17 292	263 580	3	3	55	4
		1998..	649 215	331 457	47 384	270 374	740 512	366 288	58 413	315 810	3	2	2	7
		1997..	711 810	359 507	43 930	308 373	710 417	370 422	38 095	301 900	X	X	X	X
324121	Asphalt paving mixture & block mfg	1999..	317 174	140 894	10 820	165 460	280 939	125 265	7 662	148 011	5	9	A	6
		1998..	287 751	99 071	39 137	149 543	346 974	109 807	49 630	187 537	7	4	2	13
		1997..	331 162	110 089	37 027	184 046	320 689	131 262	31 787	157 640	X	X	X	X
324122	Asphalt shingle & coating materials mfg	1999..	380 706	257 138	10 365	113 203	365 126	239 928	9 630	115 568	2	2	13	3
		1998..	361 464	232 386	8 247	120 831	393 537	256 481	8 783	128 273	2	2	6	1
		1997..	380 648	249 418	6 903	124 327	389 728	239 160	6 308	144 260	X	X	X	X
32419	Other petroleum & coal products mfg	1999..	721 735	334 006	63 279	324 450	704 436	309 411	55 857	339 168	3	2	3	6
		1998..	699 505	317 142	62 644	319 718	777 644	358 310	66 387	352 947	2	2	3	2
		1997..	765 443	345 747	68 336	351 360	786 872	373 686	73 598	339 588	X	X	X	X
324191	Petroleum lubricating oil & grease mfg	1999..	523 098	284 314	42 740	196 044	477 060	253 411	39 628	184 022	2	2	3	3
		1998..	520 441	264 165	45 335	210 942	575 883	300 283	50 468	225 132	2	2	2	2
		1997..	560 838	285 795	52 250	222 793	572 672	313 002	52 990	206 680	X	X	X	X
324199	All other petroleum & coal products mfg	1999..	198 637	49 692	20 539	128 406	227 375	55 999	16 230	155 146	9	2	2	13
		1998..	179 064	52 978	17 309	108 777	201 761	58 027	15 919	127 815	3	5	11	5
		1997..	204 605	59 952	16 086	128 567	214 200	60 684	20 608	132 908	X	X	X	X
325	Chemical mfg	1999..	47 603 521	23 092 805	8 619 929	15 890 787	45 175 820	21 850 491	7 932 058	15 393 271	1	1	1	1
		1998..	46 773 576	22 514 779	8 016 915	16 241 882	45 479 125	22 077 144	7 972 360	15 429 621	1	1	1	1
		1997..	44 691 476	21 722 967	7 765 327	15 203 182	42 704 411	20 930 459	7 290 211	14 483 741	X	X	X	X
3251	Basic chemical mfg	1999..	10 692 417	5 859 062	1 148 210	3 685 145	10 713 300	5 983 650	1 089 031	3 640 619	1	1	1	1
		1998..	10 890 160	6 099 152	1 080 025	3 710 982	11 243 735	6 139 593	1 323 124	3 781 017	1	1	1	2
		1997..	11 063 060	6 080 056	1 312 650	3 670 354	10 898 310	6 075 500	1 305 272	3 517 538	X	X	X	X
32511	Petrochemical mfg	1999..	919 988	443 771	50 108	426 108	958 701	497 439	64 436	396 826	1	2	2	1
		1998..	944 292	479 097	73 002	392 194	1 046 531	490 593	91 827	464 111	1	1	1	1
		1997..	1 131 043	598 132	92 143	440 768	1 044 687	529 575	76 882	438 230	X	X	X	X
325110	Petrochemical mfg	1999..	919 988	443 771	50 108	426 108	958 701	497 439	64 436	396 826	1	2	2	1
		1998..	944 292	479 097	73 002	392 194	1 046 531	490 593	91 827	464 111	1	1	1	1
		1997..	1 131 043	598 132	92 143	440 768	1 044 687	529 575	76 882	438 230	X	X	X	X
32512	Industrial gas mfg	1999..	315 921	187 098	36 194	92 628	324 319	187 943	33 642	102 734	1	2	1	2
		1998..	328 149	189 290	34 366	104 494	295 050	171 199	30 947	92 904	2	3	1	1
		1997..	298 995	174 318	30 534	94 143	308 832	182 471	34 757	91 604	X	X	X	X
325120	Industrial gas mfg	1999..	315 921	187 098	36 194	92 628	324 319	187 943	33 642	102 734	1	2	1	2
		1998..	328 149	189 290	34 366	104 494	295 050	171 199	30 947	92 904	2	3	1	1
		1997..	298 995	174 318	30 534	94 143	308 832	182 471	34 757	91 604	X	X	X	X
32513	Dye & pigment mfg	1999..	1 184 039	588 955	120 255	474 829	1 142 434	554 392	111 854	476 187	4	3	5	4
		1998..	1 092 290	532 974	111 759	447 557	1 028 607	506 178	121 660	400 769	1	1	3	1
		1997..	1 010 051	482 773	120 557	406 721	1 092 489	511 905	129 674	450 910	X	X	X	X
325131	Inorganic dye & pigment mfg	1999..	669 626	287 653	49 192	332 782	629 315	253 151	50 692	325 472	6	7	5	6
		1998..	596 945	243 505	47 937	305 503	560 539	254 921	51 717	253 901	1	1	1	1
		1997..	540 213	234 404	48 114	257 695	573 604	245 066	41 760	286 778	X	X	X	X
325132	Synthetic organic dye & pigment mfg	1999..	514 413	301 302	71 063	142 047	513 119	301 242	61 163	150 715	3	2	8	4
		1998..	495 345	289 469	63 822	142 054	468 068	251 257	69 943	146 868	2	2	5	1
		1997..	469 838	248 369	72 443	149 026	518 885	266 839	87 914	164 132	X	X	X	X
32518	Other basic inorganic chemical mfg	1999..	2 182 389	1 059 013	355 664	767 712	2 062 592	1 022 490	281 154	758 949	1	2	3	1
		1998..	2 128 677	1 132 817	245 917	749 943	2 048 878	1 087 138	226 671	735 069	2	4	2	3
		1997..	1 892 208	919 966	222 248	749 994	1 885 403	933 090	241 833	710 480	X	X	X	X
325181	Alkalies & chlorine mfg	1999..	183 398	89 137	6 223	88 038	229 519	130 315	1 321	97 884	1	1	1	1
		1998..	227 820	132 351	2 259	93 210	240 728	145 517	1 562	93 649	1	1	1	1
		1997..	240 152	144 957	1 564	93 631	215 749	123 443	1 715	90 591	X	X	X	X
325182	Carbon black mfg	1999..	107 060	52 497	224	54 339	89 044	54 087	—	34 957	3	4	X	3
		1998..	91 347	54 134	—	37 213	87 816	55 745	—	32 071	4	1	X	7
		1997..	87 816	55 745	—	32 071	83 376	52 877	440	30 059	X	X	X	X
325188	All other basic inorganic chemical mfg	1999..	1 891 930	917 379	349 217	625 334	1 744 029	838 088	279 833	626 108	2	3	3	2
		1998..	1 809 510	946 332	243 658	619 520	1 720 334	885 876	225 109	609 349	3	4	2	4
		1997..	1 564 240	719 264	220 684	624 292	1 586 278	756 770	239 678	589 830	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—										
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D							
		A	B	C	D	E	F	G	H	A	B	C	D							
325	Chemical mfg—Con.																			
3251	Basic chemical mfg—Con.																			
32519	Other basic organic chemical mfg	1999.. 6 090 081	3 580 225	585 988	1 923 868	6 225 254	3 721 386	597 944	1 905 923	1	2	2	1							
		1998.. 6 396 752	3 764 975	614 982	2 016 795	6 824 668	3 884 485	852 019	2 088 164	1	1	1	3							
		1997.. 6 730 763	3 904 867	847 168	1 978 728	6 566 899	3 918 459	822 126	1 826 314	X	X	X	X							
325191	Gum & wood chemical mfg	1999.. 137 207	80 253	14 586	42 368	164 669	96 918	21 628	46 123	1	1	1	1							
		1998.. 156 390	89 539	21 723	45 127	161 512	81 162	28 285	52 065	1	2	1	1							
		1997.. 155 422	84 789	22 996	47 637	146 788	85 915	18 627	42 246	X	X	X	X							
325192	Cyclic crude & intermediate mfg	1999.. 540 750	342 838	21 981	175 932	499 803	327 157	28 858	143 787	2	4	18	4							
		1998.. 531 794	326 527	34 715	170 552	616 602	385 486	54 346	176 770	1	1	1	1							
		1997.. 617 181	379 985	53 998	183 198	636 136	383 979	50 704	201 453	X	X	X	X							
325193	Ethyl alcohol mfg	1999.. 89 274	52 259	3 824	33 191	85 972	53 358	3 453	29 161	8	7	13	14							
		1998.. 63 464	40 871	2 321	20 272	76 187	46 424	4 518	25 245	22	18	68	24							
		1997.. 74 630	44 879	4 482	25 269	77 709	45 817	4 882	27 010	X	X	X	X							
325199	All other basic organic chemical mfg	1999.. 5 322 850	3 104 875	545 597	1 672 378	5 474 810	3 243 954	544 005	1 686 851	1	2	2	1							
		1998.. 5 645 104	3 308 037	556 223	1 780 844	5 970 367	3 371 413	764 870	1 834 084	1	1	1	3							
		1997.. 5 883 530	3 395 214	765 692	1 722 624	5 706 266	3 402 748	747 913	1 555 605	X	X	X	X							
3252	Resin, syn rubber, & artificial & syn fibers & filaments mfg	1999.. 6 568 698	4 075 991	718 570	1 774 136	6 215 925	3 845 392	752 681	1 617 851	2	2	3	4							
		1998.. 6 618 929	4 109 383	732 446	1 777 100	6 761 402	4 161 587	771 889	1 827 925	1	1	1	1							
		1997.. 6 700 946	4 112 074	755 163	1 833 709	6 388 594	3 915 120	715 951	1 757 523	X	X	X	X							
32521	Resin & synthetic rubber mfg	1999.. 5 161 305	3 330 887	481 796	1 348 622	4 668 449	2 977 371	482 540	1 208 538	3	2	4	6							
		1998.. 5 126 011	3 284 638	464 638	1 376 734	5 280 293	3 381 382	518 618	1 380 292	1	1	1	1							
		1997.. 5 218 629	3 331 521	502 430	1 384 678	4 978 634	3 177 048	491 556	1 310 030	X	X	X	X							
325211	Plastics material & resin mfg	1999.. 4 336 648	2 790 573	369 561	1 176 514	3 853 219	2 461 029	382 702	1 009 488	3	2	2	7							
		1998.. 4 361 828	2 799 046	393 515	1 169 267	4 489 963	2 852 729	447 117	1 190 116	1	1	1	1							
		1997.. 4 370 715	2 773 047	427 447	1 170 221	4 146 587	2 642 232	407 487	1 096 868	X	X	X	X							
325212	Synthetic rubber mfg	1999.. 824 657	540 314	112 234	172 108	815 230	516 342	99 839	199 050	4	3	18	3							
		1998.. 764 183	485 592	71 123	207 467	790 330	528 653	71 501	190 176	1	1	1	1							
		1997.. 847 914	558 474	74 983	214 457	832 047	534 816	84 069	213 162	X	X	X	X							
32522	Artificial & synthetic fibers & filaments mfg	1999.. 1 407 393	745 104	236 775	425 514	1 547 476	868 021	270 141	409 313	2	1	1	3							
		1998.. 1 492 918	824 744	267 808	400 366	1 481 109	780 205	253 271	447 633	1	1	2	1							
		1997.. 1 482 317	780 553	252 733	449 031	1 409 960	738 072	224 395	447 493	X	X	X	X							
325221	Cellulosic organic fiber mfg	1999.. 78 698	32 585	9 054	37 059	125 936	69 458	9 869	46 609	1	1	1	1							
		1998.. 123 378	69 521	9 888	43 969	134 339	63 997	16 469	53 873	1	1	1	1							
		1997.. 138 502	66 674	16 571	55 257	135 582	61 028	14 458	60 096	X	X	X	X							
325222	Noncellulosic organic fiber mfg	1999.. 1 328 694	712 518	227 721	388 455	1 421 540	798 563	260 272	362 704	2	2	1	3							
		1998.. 1 369 540	755 223	257 920	356 397	1 346 770	716 208	236 802	393 760	1	1	2	1							
		1997.. 1 343 815	713 879	236 162	393 774	1 274 378	677 044	209 937	387 397	X	X	X	X							
3253	Pesticide, fertilizer, & other agricultural chemical mfg	1999.. 2 935 605	1 380 895	485 933	1 068 777	2 678 124	1 153 341	458 414	1 066 369	2	4	4	1							
		1998.. 2 676 197	1 146 483	461 932	1 067 782	2 708 649	1 253 696	399 348	1 055 605	1	2	1	1							
		1997.. 2 711 472	1 263 085	396 616	1 051 771	2 452 589	1 144 030	314 188	994 371	X	X	X	X							
32531	Fertilizer mfg	1999.. 1 373 316	634 509	149 422	589 385	1 371 181	636 027	133 536	601 618	2	4	12	2							
		1998.. 1 393 571	647 717	132 022	613 832	1 429 802	719 267	126 863	583 672	1	4	1	2							
		1997.. 1 403 469	704 516	127 512	571 441	1 307 971	642 297	106 010	559 664	X	X	X	X							
325311	Nitrogenous fertilizer mfg	1999.. 363 724	168 972	2 829	191 924	373 335	166 496	4 367	202 472	7	15	25	6							
		1998.. 394 683	182 331	5 166	207 185	417 736	210 112	6 920	200 704	1	7	1	4							
		1997.. 388 875	189 162	6 659	193 054	349 521	164 686	5 881	178 954	X	X	X	X							
325312	Phosphatic fertilizer mfg	1999.. 519 871	171 647	101 353	246 871	508 321	172 872	94 332	241 116	1	3	1	1							
		1998.. 451 226	135 259	81 372	234 594	492 672	192 565	76 385	223 722	3	16	2	3							
		1997.. 513 266	207 864	76 333	229 069	458 285	177 111	68 062	213 112	X	X	X	X							
325314	Fertilizer (mixing only) mfg	1999.. 489 721	293 891	45 240	150 590	489 525	296 659	34 837	158 030	4	3	38	6							
		1998.. 547 663	330 127	45 483	172 053	519 394	316 590	43 558	159 246	2	2	1	5							
		1997.. 501 328	307 490	44 520	149 318	500 165	300 500	32 067	167 598	X	X	X	X							
32532	Pesticide & other agricultural chemical mfg	1999.. 1 562 289	746 385	336 512	479 392	1 306 944	517 315	324 878	464 751	3	7	2	1							
		1998.. 1 282 625	498 766	329 910	453 949	1 278 847	534 429	272 485	471 933	1	2	1	1							
		1997.. 1 308 003	558 569	269 104	480 330	1 144 618	501 733	208 178	434 707	X	X	X	X							
325320	Pesticide & other agricultural chemical mfg	1999.. 1 562 289	746 385	336 512	479 392	1 306 944	517 315	324 878	464 751	3	7	2	1							
		1998.. 1 282 625	498 766	329 910	453 949	1 278 847	534 429	272 485	471 933	1	2	1	1							
		1997.. 1 308 003	558 569	269 104	480 330	1 144 618	501 733	208 178	434 707	X	X	X	X							
3254	Pharmaceutical & medicine mfg	1999.. 15 090 829	5 686 562	4 810 193	4 594 074	13 591 692	4 849 877	4 158 615	4 583 199	1	2	1	3							
		1998.. 13 830 135	4 844 514	4 309 180	4 676 442	12 745 824	4 640 838	4 046 037	4 058 948	1	2	1	3							
		1997.. 12 280 701	4 509 334	3 865 024	3 906 343	11 282 573	4 150 558	3 432 310	3 699 705	X	X	X	X							
32541	Pharmaceutical & medicine mfg	1999.. 15 090 829	5 686 562	4 810 193	4 594 074	13 591 692	4 849 877	4 158 615	4 583 199	1	2	1	3							
		1998.. 13 830 135	4 844 514	4 309 180	4 676 442	12 745 824	4 640 838	4 046 037	4 058 948	1	2	1	3							
		1997																		

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
325	Chemical mfg—Con.												
3254	Pharmaceutical & medicine mfg—Con.												
32541	Pharmaceutical & medicine mfg—Con.												
325413	In-vitro diagnostic substance mfg	1999.. 1 444 389	582 500	393 324	468 566	1 248 678	468 213	363 682	416 783	2	3	2	2
		1998.. 1 272 264	478 246	384 787	409 230	1 463 802	587 888	415 777	460 137	3	4	2	4
		1997.. 1 403 327	552 995	409 769	440 563	1 394 982	555 056	400 429	439 497	X	X	X	X
325414	Biological product (except diagnostic) mfg	1999.. 1 629 225	502 690	838 877	287 658	1 420 761	434 459	719 467	266 835	3	4	3	3
		1998.. 1 508 059	475 700	743 002	289 357	1 405 894	427 854	688 679	289 361	2	4	1	1
		1997.. 1 322 943	463 824	608 278	250 841	1 157 066	347 095	548 551	261 420	X	X	X	X
3255	Paint, coating, & adhesive mfg ..	1999.. 2 948 909	1 577 277	172 465	1 199 167	2 917 319	1 619 975	156 486	1 140 857	1	1	5	2
		1998.. 2 864 271	1 550 683	157 474	1 156 114	2 844 410	1 558 249	152 620	1 133 541	2	4	4	1
		1997.. 2 833 183	1 517 461	155 983	1 159 739	2 673 973	1 459 363	166 227	1 048 383	X	X	X	X
32551	Paint & coating mfg	1999.. 2 207 751	1 217 321	112 469	877 961	2 207 395	1 280 560	99 931	826 904	2	1	4	3
		1998.. 2 161 097	1 206 229	99 395	855 473	2 145 493	1 223 919	92 224	829 350	3	5	6	2
		1997.. 2 151 729	1 201 943	95 165	854 621	2 018 336	1 150 802	108 064	759 470	X	X	X	X
325510	Paint & coating mfg	1999.. 2 207 751	1 217 321	112 469	877 961	2 207 395	1 280 560	99 931	826 904	2	1	4	3
		1998.. 2 161 097	1 206 229	99 395	855 473	2 145 493	1 223 919	92 224	829 350	3	5	6	2
		1997.. 2 151 729	1 201 943	95 165	854 621	2 018 336	1 150 802	108 064	759 470	X	X	X	X
32552	Adhesive mfg	1999.. 741 158	359 956	59 996	321 205	709 924	339 415	56 555	313 953	3	4	14	3
		1998.. 703 174	344 454	58 078	300 641	698 917	334 330	60 396	304 192	1	1	3	2
		1997.. 681 454	315 518	60 818	305 118	655 637	308 561	58 163	288 913	X	X	X	X
325520	Adhesive mfg	1999.. 741 158	359 956	59 996	321 205	709 924	339 415	56 555	313 953	3	4	14	3
		1998.. 703 174	344 454	58 078	300 641	698 917	334 330	60 396	304 192	1	1	3	2
		1997.. 681 454	315 518	60 818	305 118	655 637	308 561	58 163	288 913	X	X	X	X
3256	Soap, cleaning compound, & toilet preparation mfg	1999.. 5 064 549	2 670 886	374 572	2 019 091	4 830 726	2 571 946	351 526	1 907 254	4	3	7	5
		1998.. 5 432 623	2 810 187	346 119	2 276 318	4 830 196	2 509 293	334 442	1 986 462	5	5	1	7
		1997.. 4 814 861	2 472 290	340 694	2 001 877	4 643 315	2 350 373	367 953	1 924 989	X	X	X	X
32561	Soap & cleaning compound mfg	1999.. 2 340 890	1 322 647	157 900	860 342	2 194 944	1 241 924	149 767	803 250	2	2	9	2
		1998.. 2 302 751	1 263 273	153 298	886 180	2 269 371	1 264 402	158 603	846 368	1	1	2	1
		1997.. 2 316 648	1 275 531	162 580	878 537	2 278 248	1 235 755	191 234	851 259	X	X	X	X
325611	Soap & other detergent mfg	1999.. 1 229 694	649 357	82 964	497 373	1 103 181	579 353	77 112	446 717	2	2	2	3
		1998.. 1 136 572	594 458	68 307	473 808	1 204 243	652 633	76 151	475 459	1	2	3	1
		1997.. 1 236 285	677 133	77 245	481 907	1 176 829	619 540	92 044	465 245	X	X	X	X
325612	Polish & other sanitation good mfg	1999.. 574 318	335 126	27 525	211 667	611 551	368 754	29 549	213 249	4	3	17	6
		1998.. 673 196	379 326	29 622	264 249	549 973	302 106	31 452	216 418	2	2	9	2
		1997.. 554 751	286 623	32 184	235 944	574 136	308 950	39 440	225 746	X	X	X	X
325613	Surface active agent mfg ..	1999.. 536 878	338 164	47 411	151 303	480 209	293 818	43 107	143 284	4	5	26	3
		1998.. 492 982	289 489	55 369	148 124	515 153	309 663	51 000	154 490	1	2	1	2
		1997.. 525 612	311 775	53 151	160 686	527 283	307 265	59 750	160 268	X	X	X	X
32562	Toilet preparation mfg	1999.. 2 723 659	1 348 239	216 672	1 158 748	2 635 785	1 330 022	201 759	1 104 004	6	5	11	8
		1998.. 3 129 873	1 546 913	192 822	1 390 137	2 560 823	1 244 890	175 839	1 140 094	9	8	2	12
		1997.. 2 498 213	1 196 759	178 114	1 123 340	2 365 067	1 114 618	176 719	1 073 730	X	X	X	X
325620	Toilet preparation mfg	1999.. 2 723 659	1 348 239	216 672	1 158 748	2 635 785	1 330 022	201 759	1 104 004	6	5	11	8
		1998.. 3 129 873	1 546 913	192 822	1 390 137	2 560 823	1 244 890	175 839	1 140 094	9	8	2	12
		1997.. 2 498 213	1 196 759	178 114	1 123 340	2 365 067	1 114 618	176 719	1 073 730	X	X	X	X
3259	Other chemical product mfg	1999.. 4 302 514	1 842 132	909 985	1 550 397	4 228 734	1 826 309	965 305	1 437 120	1	2	2	2
		1998.. 4 461 260	1 954 378	929 738	1 577 144	4 344 909	1 813 887	944 900	1 586 122	1	2	1	1
		1997.. 4 287 253	1 768 667	939 197	1 579 389	4 365 057	1 835 515	988 310	1 541 232	X	X	X	X
32591	Printing ink mfg	1999.. 518 102	274 971	40 283	202 848	501 445	266 945	40 030	194 470	7	6	10	9
		1998.. 544 427	315 850	40 773	187 804	470 754	259 888	35 962	174 903	5	9	2	5
		1997.. 439 398	249 457	35 915	154 026	442 084	236 101	18 140	187 843	X	X	X	X
325910	Printing ink mfg	1999.. 518 102	274 971	40 283	202 848	501 445	266 945	40 030	194 470	7	6	10	9
		1998.. 544 427	315 850	40 773	187 804	470 754	259 888	35 962	174 903	5	9	2	5
		1997.. 439 398	249 457	35 915	154 026	442 084	236 101	18 140	187 843	X	X	X	X
32592	Explosives mfg	1999.. 150 174	48 974	43 739	57 461	147 720	48 668	40 604	58 448	2	5	2	3
		1998.. 152 405	45 779	42 265	64 361	157 226	46 132	47 577	63 516	4	15	3	1
		1997.. 164 460	46 718	51 925	65 817	163 679	51 232	55 490	56 957	X	X	X	X
325920	Explosives mfg	1999.. 150 174	48 974	43 739	57 461	147 720	48 668	40 604	58 448	2	5	2	3
		1998.. 152 405	45 779	42 265	64 361	157 226	46 132	47 577	63 516	4	15	3	1
		1997.. 164 460	46 718	51 925	65 817	163 679	51 232	55 490	56 957	X	X	X	X
32599	All other chemical product & preparation mfg	1999.. 3 634 239	1 518 188	825 963	1 290 088	3 579 570	1 510 696	884 671	1 184 203	1	2	2	2
		1998.. 3 764 428	1 592 748	846 701	1 324 979	3 716 930	1 507 867	861 361	1 347 702	1	1	1	1
		1997.. 3 683 395	1 472 492	851 357	1 359 546	3 759 294	1 548 182	914 680	1 296 432	X	X	X	X
325991	Custom compounding of purchased resin	1999.. 758 830	377 503	34 011	347 315	750 710	387 761	27 083	335 866	3	3	12	3
		1998.. 819 885	417 748	29 859	372 278	776 157	380 833	34 315	361 009	1	1	3	1
		1997.. 788 266	377 275	37 020	373 971	756 631	376 693	33 599	346 339	X	X	X	X
325992	Photographic film, paper, plate, & chemical mfg	1999.. 1 300 454	314 938	566 140	419 376	1 376 582	353 328	632 327	390 926	1	1	1	1
		1998.. 1 411 990	367 001	626 787	418 202	1 467 034	366 216	657 542	443 276	1	1	1	1
		1997.. 1 477 178	354 729	655 137	467 312	1 621 129	475 895	706 946	438 288	X	X	X	X
325998	All other miscellaneous chemical product & preparation mfg	1999.. 1 574 954	825 747	225 811	523 396	1 452 278	769 607	225 261	457 410	3	3	7	5
		1998.. 1 532 553	807 998	190 054	534 500	1 473 739	760 817	169 504	543 418	1	1	2	2
		1997.. 1 417 951	740 488	159 200	518 263	1 381 534	695 594	174 135	511 805	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
326	Plastics & rubber products mfg	1999..	17 044 591	7 876 629	2 259 072	6 908 890	16 089 634	7 469 862	2 229 431	6 390 341	1	1	1	1
		1998..	15 931 775	7 368 888	2 241 480	6 321 406	15 892 315	7 203 004	2 226 221	6 463 090	1	1	1	1
		1997..	15 979 716	7 260 449	2 190 362	6 528 905	15 574 510	7 159 313	2 109 296	6 305 901	X	X	X	X
3261	Plastics product mfg	1999..	13 843 341	6 379 131	1 781 108	5 683 102	13 042 016	6 031 847	1 761 465	5 248 703	1	1	2	1
		1998..	12 850 977	5 949 185	1 734 797	5 166 994	12 869 220	5 793 768	1 720 168	5 355 283	1	1	1	1
		1997..	12 932 635	5 830 680	1 681 445	5 420 510	12 488 792	5 683 623	1 588 363	5 216 806	X	X	X	X
32611	Unsupported plastics film, sheet, & bag mfg	1999..	2 860 753	1 277 553	418 338	1 164 863	2 724 912	1 210 257	434 769	1 079 885	2	2	4	2
		1998..	2 639 216	1 146 808	433 578	1 058 830	2 650 803	1 124 747	415 536	1 110 520	1	1	4	2
		1997..	2 695 191	1 159 424	403 091	1 132 676	2 616 518	1 142 621	383 809	1 090 088	X	X	X	X
326111	Unsupported plastics bag mfg	1999..	804 918	398 924	74 179	331 815	729 660	362 044	71 409	296 208	2	1	2	3
		1998..	692 747	294 254	77 340	321 153	717 694	288 436	84 572	344 686	2	2	5	2
		1997..	720 400	307 300	77 163	335 937	721 484	310 904	65 119	345 461	X	X	X	X
326112	Unsupported plastics packaging film & sheet mfg	1999..	433 881	213 370	61 522	158 989	407 938	180 499	63 944	163 495	2	3	5	3
		1998..	415 262	207 190	73 463	134 609	438 227	206 931	71 239	160 057	3	3	4	4
		1997..	441 654	209 596	71 927	160 131	440 043	210 526	78 961	150 556	X	X	X	X
326113	Unsupported plastics film & sheet (except packaging) mfg	1999..	1 621 955	665 258	282 637	674 060	1 587 313	667 714	299 417	620 182	3	3	5	4
		1998..	1 531 206	645 364	282 775	603 067	1 494 883	629 381	259 725	605 777	1	1	6	2
		1997..	1 533 137	642 528	254 001	636 608	1 454 991	621 191	239 729	594 071	X	X	X	X
32612	Plastics pipe, pipe fitting, & unsupported profile shape mfg	1999..	1 231 091	689 172	75 765	466 154	1 140 835	631 186	89 571	420 078	2	2	5	6
		1998..	1 155 638	685 612	90 766	379 260	1 238 100	731 096	89 992	417 011	2	2	2	3
		1997..	1 229 333	692 524	100 233	436 576	1 147 877	658 261	89 176	400 440	X	X	X	X
326121	Unsupported plastics profile shape mfg	1999..	403 283	166 242	43 317	193 723	450 768	201 758	47 483	201 527	6	3	5	13
		1998..	466 252	235 297	53 171	177 784	444 882	208 990	55 393	180 499	2	3	3	3
		1997..	444 815	196 612	60 128	188 075	462 912	211 022	58 812	193 078	X	X	X	X
326122	Plastics pipe & pipe fitting mfg	1999..	827 809	522 930	32 448	272 431	690 068	429 428	42 088	218 552	2	2	11	4
		1998..	689 386	450 315	37 595	201 476	793 217	522 106	34 600	236 511	2	2	4	6
		1997..	784 518	495 912	40 105	248 501	684 965	447 239	30 364	207 362	X	X	X	X
32613	Laminated plastics plate, sheet, & shape mfg	1999..	342 059	130 497	52 756	158 807	330 029	126 930	50 009	153 091	2	2	4	2
		1998..	335 041	124 950	57 182	152 909	339 315	128 990	61 090	149 228	1	2	5	1
		1997..	382 636	152 184	61 254	169 198	374 229	155 400	59 631	159 198	X	X	X	X
326130	Laminated plastics plate, sheet, & shape mfg	1999..	342 059	130 497	52 756	158 807	330 029	126 930	50 009	153 091	2	2	4	2
		1998..	335 041	124 950	57 182	152 909	339 315	128 990	61 090	149 228	1	2	5	1
		1997..	382 636	152 184	61 254	169 198	374 229	155 400	59 631	159 198	X	X	X	X
32614	Polystyrene foam product mfg	1999..	529 983	270 048	51 068	208 867	482 264	255 840	50 126	176 298	2	2	6	3
		1998..	476 303	245 617	51 874	178 811	463 633	209 488	47 447	206 698	1	1	3	2
		1997..	444 041	204 368	46 166	193 507	442 884	211 763	39 587	191 534	X	X	X	X
326140	Polystyrene foam product mfg	1999..	529 983	270 048	51 068	208 867	482 264	255 840	50 126	176 298	2	2	6	3
		1998..	476 303	245 617	51 874	178 811	463 633	209 488	47 447	206 698	1	1	3	2
		1997..	444 041	204 368	46 166	193 507	442 884	211 763	39 587	191 534	X	X	X	X
32615	Urethane & other foam product (except polystyrene) mfg	1999..	541 569	198 868	68 542	274 158	535 913	170 275	68 532	297 105	8	18	3	5
		1998..	487 423	155 826	69 930	261 667	489 162	148 688	69 769	270 705	1	2	2	3
		1997..	492 574	148 912	71 086	272 576	462 131	138 698	62 700	260 733	X	X	X	X
326150	Urethane & other foam product (except polystyrene) mfg	1999..	541 569	198 868	68 542	274 158	535 913	170 275	68 532	297 105	8	18	3	5
		1998..	487 423	155 826	69 930	261 667	489 162	148 688	69 769	270 705	1	2	2	3
		1997..	492 574	148 912	71 086	272 576	462 131	138 698	62 700	260 733	X	X	X	X
32616	Plastics bottle mfg	1999..	680 321	334 795	64 627	280 899	593 979	303 835	61 184	228 960	2	2	4	2
		1998..	602 923	298 504	64 467	239 952	568 671	279 402	70 271	218 998	2	2	2	4
		1997..	568 465	277 253	67 875	223 337	522 307	266 445	49 014	206 848	X	X	X	X
326160	Plastics bottle mfg	1999..	680 321	334 795	64 627	280 899	593 979	303 835	61 184	228 960	2	2	4	2
		1998..	602 923	298 504	64 467	239 952	568 671	279 402	70 271	218 998	2	2	2	4
		1997..	568 465	277 253	67 875	223 337	522 307	266 445	49 014	206 848	X	X	X	X
32619	Other plastics product mfg	1999..	7 657 565	3 478 198	1 050 012	3 129 355	7 234 084	3 333 524	1 007 275	2 893 286	1	2	2	1
		1998..	7 154 435	3 291 869	967 001	2 895 565	7 119 536	3 171 350	966 063	2 982 123	1	1	1	1
		1997..	7 120 395	3 196 015	931 740	2 992 640	6 922 846	3 110 435	904 446	2 907 965	X	X	X	X
326191	Plastics plumbing fixture mfg	1999..	197 032	93 879	15 099	88 054	171 492	78 790	14 367	78 335	5	7	17	4
		1998..	176 228	75 366	14 484	86 377	162 342	65 289	13 920	83 133	2	3	14	1
		1997..	159 966	65 011	13 177	81 778	161 854	65 376	17 501	78 977	X	X	X	X
326192	Resilient floor covering mfg	1999..	253 140	179 978	15 517	57 645	250 725	191 092	16 996	42 638	1	1	1	1
		1998..	242 859	184 957	15 629	42 273	263 014	197 916	18 241	46 857	1	1	1	1
		1997..	250 891	189 490	17 803	43 598	252 444	167 987	18 315	66 142	X	X	X	X
326199	All other plastics product mfg	1999..	7 207 394	3 204 341	1 019 396	2 983 656	6 811 867	3 063 642	975 912	2 772 314	1	2	2	1
		1998..	6 735 348	3 031 545	936 888	2 766 915	6 694 180	2 908 145	933 902	2 852 133	1	1	2	1
		1997..	6 709 538	2 941 514	900 760	2 867 264	6 508 548	2 877 072	868 630	2 762 846	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
326	Plastics & rubber products mfg—Con.												
3262	Rubber product mfg	1999.. 3 201 250	1 497 498	477 964	1 225 788	3 047 618	1 438 015	467 965	1 141 638	1	2	1	2
		1998.. 3 080 798	1 419 703	506 683	1 154 412	3 023 095	1 409 236	506 052	1 107 807	1	1	2	1
		1997.. 3 047 081	1 429 769	508 917	1 108 395	3 085 718	1 475 690	520 933	1 089 095	X	X	X	X
32621	Tire mfg	1999.. 1 266 922	651 324	147 715	467 883	1 162 603	592 248	146 301	424 054	1	1	1	1
		1998.. 1 183 773	602 950	147 581	433 242	1 168 421	610 342	149 894	408 185	1	1	1	1
		1997.. 1 164 493	606 442	147 196	410 855	1 194 191	638 344	142 311	413 536	X	X	X	X
326211	Tire mfg (except retreading)	1999.. 1 168 410	602 165	141 386	424 860	1 069 595	543 441	139 982	386 171	1	1	1	1
		1998.. 1 075 969	543 074	140 349	392 546	1 060 665	551 523	140 753	368 389	1	1	1	1
		1997.. 1 057 583	548 520	140 772	368 291	1 086 998	579 451	134 075	373 472	X	X	X	X
326212	Tire retreading	1999.. 98 512	49 160	6 329	43 023	93 008	48 807	6 318	37 883	6	9	9	9
		1998.. 107 804	59 876	7 232	40 696	107 756	58 819	9 141	39 795	3	3	10	6
		1997.. 106 910	57 922	6 424	42 564	107 193	58 893	8 236	40 064	X	X	X	X
32622	Rubber & plastics hoses & belting mfg	1999.. 538 074	306 280	79 885	151 909	513 591	298 534	75 621	139 436	2	2	4	5
		1998.. 495 398	283 439	75 527	136 432	495 724	278 459	82 596	134 670	2	3	3	4
		1997.. 522 042	305 297	89 600	127 145	563 650	334 360	100 573	128 717	X	X	X	X
326220	Rubber & plastics hoses & belting mfg	1999.. 538 074	306 280	79 885	151 909	513 591	298 534	75 621	139 436	2	2	4	5
		1998.. 495 398	283 439	75 527	136 432	495 724	278 459	82 596	134 670	2	3	3	4
		1997.. 522 042	305 297	89 600	127 145	563 650	334 360	100 573	128 717	X	X	X	X
32629	Other rubber product mfg	1999.. 1 396 254	539 894	250 365	605 996	1 371 424	547 232	246 044	578 148	3	5	2	3
		1998.. 1 401 627	533 314	283 574	584 738	1 358 949	520 435	273 563	564 952	1	3	3	2
		1997.. 1 360 546	518 030	272 121	570 395	1 327 877	502 986	278 049	546 842	X	X	X	X
326291	Rubber product mfg for mechanical use	1999.. 531 570	198 691	116 982	215 897	528 500	209 509	108 428	210 563	1	3	3	2
		1998.. 551 321	208 935	120 425	221 961	528 659	199 267	114 537	214 855	2	3	8	4
		1997.. 526 332	200 488	111 935	213 909	492 887	177 957	109 809	205 121	X	X	X	X
326299	All other rubber product mfg	1999.. 864 684	341 203	133 383	390 098	842 924	337 723	137 615	367 585	4	7	4	5
		1998.. 850 306	324 380	163 149	362 777	830 290	321 168	159 026	350 097	2	4	2	2
		1997.. 834 214	317 542	160 186	356 486	834 990	325 029	168 240	341 721	X	X	X	X
327	Nonmetallic mineral product mfg ..	1999.. 9 343 472	4 767 442	1 230 362	3 345 668	9 011 932	4 579 433	1 198 507	3 233 992	1	1	1	1
		1998.. 9 160 204	4 567 991	1 226 746	3 365 468	8 917 196	4 491 537	1 184 798	3 240 860	1	1	1	1
		1997.. 8 840 326	4 457 304	1 187 891	3 195 131	8 636 639	4 433 370	1 178 562	3 024 707	X	X	X	X
3271	Clay product & refractory mfg ...	1999.. 1 386 935	789 914	218 718	378 303	1 404 927	790 515	224 100	390 312	2	2	4	3
		1998.. 1 497 188	830 620	234 142	432 426	1 479 393	825 084	242 552	411 757	1	2	2	2
		1997.. 1 496 228	839 849	244 347	412 032	1 465 819	844 388	230 566	390 865	X	X	X	X
32711	Pottery, ceramics, & plumbing fixture mfg	1999.. 570 971	284 578	141 472	144 922	572 833	281 987	142 330	148 516	3	4	4	5
		1998.. 608 736	289 647	152 206	166 883	589 952	280 185	157 081	152 686	1	2	2	5
		1997.. 581 111	280 055	153 230	147 826	550 349	270 780	141 957	137 612	X	X	X	X
327111	Vitreous china plumbing fixture & bathroom accessories mfg	1999.. 95 703	59 679	17 504	18 520	89 143	46 554	19 709	22 880	7	9	4	8
		1998.. 103 746	58 782	20 015	24 949	99 517	56 638	22 687	20 192	1	1	1	1
		1997.. 102 233	58 689	23 317	20 227	118 130	71 506	25 743	20 881	X	X	X	X
327112	Vitreous china, fine earthenware, & other pottery product mfg	1999.. 316 819	169 201	73 090	74 528	318 940	176 282	73 769	68 889	5	5	6	7
		1998.. 323 512	174 276	78 096	71 140	330 212	168 837	84 155	77 220	1	1	1	1
		1997.. 319 444	166 218	79 934	73 292	277 771	144 374	68 474	64 923	X	X	X	X
327113	Porcelain electrical supply mfg	1999.. 158 449	55 698	50 878	51 873	164 750	59 151	48 853	56 747	3	6	5	7
		1998.. 181 478	56 588	54 095	70 794	160 223	54 710	50 239	55 274	4	8	6	11
		1997.. 159 434	55 148	49 979	54 307	154 448	54 900	47 740	51 808	X	X	X	X
32712	Clay building material & refractories mfg	1999.. 815 964	505 337	77 247	233 380	832 094	508 529	81 770	241 796	3	3	9	4
		1998.. 888 452	540 973	81 936	265 542	889 441	544 898	85 472	259 071	3	3	1	2
		1997.. 915 117	559 794	91 117	264 206	915 470	573 608	88 609	253 253	X	X	X	X
327121	Brick & structural clay tile mfg	1999.. 246 554	180 804	11 763	53 987	258 692	194 433	10 279	53 980	2	3	4	2
		1998.. 259 195	194 469	10 540	54 185	267 007	206 055	10 195	50 757	2	2	4	3
		1997.. 268 056	206 778	10 275	51 003	268 198	210 049	9 645	48 504	X	X	X	X
327122	Ceramic wall & floor tile mfg	1999.. 173 659	124 646	10 444	38 568	166 951	121 821	11 728	33 401	2	3	6	3
		1998.. 192 590	146 884	10 239	35 467	183 560	132 936	11 877	38 746	6	12	6	13
		1997.. 187 820	135 250	11 532	41 038	177 657	127 749	15 613	34 295	X	X	X	X
327123	Other structural clay product mfg	1999.. 20 359	14 731	2 178	3 451	20 546	15 717	1 476	3 352	5	5	4	4
		1998.. 22 926	17 246	1 679	4 001	21 736	16 513	1 359	3 864	1	1	1	1
		1997.. 21 685	16 550	1 513	3 622	24 827	17 920	1 807	5 100	X	X	X	X
327124	Clay refractory mfg	1999.. 132 067	67 097	16 285	48 686	131 629	55 561	20 261	55 807	13	13	39	15
		1998.. 160 242	66 036	23 557	70 648	172 815	73 037	27 057	72 721	3	5	3	3
		1997.. 171 621	72 588	27 398	71 635	165 474	79 194	19 836	66 444	X	X	X	X
327125	Nonclay refractory mfg	1999.. 243 326	118 059	36 578	88 689	254 278	120 997	38 026	95 255	4	6	4	4
		1998.. 253 499	116 338	35 920	101 241	244 323	116 357	34 983	92 983	1	1	1	2
		1997.. 265 935	128 628	40 399	96 908	279 314	138 696	41 708	98 910	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
327	Nonmetallic mineral product mfg —Con.													
3272	Glass & glass product mfg	1999.. 2 924 096	1 708 199	388 478	827 418	2 824 060	1 686 408	348 226	789 426	1	1	1	1	
		1998.. 2 834 763	1 696 073	339 079	799 611	2 721 121	1 593 353	346 798	780 970	1	1	1	3	
		1997.. 2 722 613	1 590 735	350 836	781 042	2 634 864	1 568 971	317 795	748 098	X	X	X	X	
32721	Glass & glass product mfg ...	1999.. 2 924 096	1 708 199	388 478	827 418	2 824 060	1 686 408	348 226	789 426	1	1	1	1	
		1998.. 2 834 763	1 696 073	339 079	799 611	2 721 121	1 593 353	346 798	780 970	1	1	1	3	
		1997.. 2 722 613	1 590 735	350 836	781 042	2 634 864	1 568 971	317 795	748 098	X	X	X	X	
327211	Flat glass mfg	1999.. 263 749	160 522	48 245	54 982	259 836	174 715	32 560	52 562	1	2	1	1	
		1998.. 275 652	188 379	32 556	54 716	299 831	201 400	40 829	57 602	1	1	1	1	
		1997.. 299 831	201 400	40 829	57 602	283 963	181 148	41 078	61 737	X	X	X	X	
327212	Other pressed & blown glass & glassware mfg	1999.. 923 003	566 039	121 124	235 841	939 393	601 073	108 878	229 442	1	2	2	2	
		1998.. 970 202	613 489	104 490	252 224	894 721	556 418	112 768	225 535	2	2	1	5	
		1997.. 890 018	554 897	111 933	223 188	822 107	514 819	95 715	211 573	X	X	X	X	
327213	Glass container mfg	1999.. 708 590	589 108	1 696	117 785	683 686	565 091	1 820	116 775	2	2	7	2	
		1998.. 674 517	555 799	1 915	116 803	622 189	501 654	1 927	118 608	1	1	1	1	
		1997.. 622 189	501 654	1 927	118 808	677 460	553 013	1 581	122 866	X	X	X	X	
327215	Glass product mfg made of purchased glass	1999.. 1 028 754	392 531	217 413	418 811	941 144	345 529	204 968	390 647	1	2	2	3	
		1998.. 914 392	338 405	200 119	375 868	904 379	333 881	191 274	379 224	2	1	2	5	
		1997.. 910 575	332 784	196 147	381 644	851 334	319 991	179 421	351 922	X	X	X	X	
3273	Cement & concrete product mfg	1999.. 2 979 291	1 453 321	288 076	1 237 895	2 769 470	1 332 147	280 246	1 157 077	2	3	3	2	
		1998.. 2 820 280	1 282 628	279 865	1 257 787	2 733 658	1 283 879	215 003	1 234 776	2	3	3	2	
		1997.. 2 651 856	1 261 923	208 999	1 180 934	2 573 632	1 220 059	239 133	1 114 440	X	X	X	X	
32731	Cement mfg	1999.. 952 345	232 339	160 126	559 880	865 517	208 467	115 896	541 153	1	2	2	1	
		1998.. 860 352	186 403	124 857	549 092	839 603	211 926	100 288	527 390	3	6	5	2	
		1997.. 831 670	214 752	104 931	511 987	845 233	220 055	133 074	492 104	X	X	X	X	
327310	Cement mfg	1999.. 952 345	232 339	160 126	559 880	865 517	208 467	115 896	541 153	1	2	2	1	
		1998.. 860 352	186 403	124 857	549 092	839 603	211 926	100 288	527 390	3	6	5	2	
		1997.. 831 670	214 752	104 931	511 987	845 233	220 055	133 074	492 104	X	X	X	X	
32732	Ready-mix concrete mfg	1999.. 582 981	204 195	15 785	363 002	569 853	204 611	32 103	333 140	7	14	12	7	
		1998.. 635 489	182 556	27 463	425 471	649 586	191 408	19 180	438 998	4	10	3	3	
		1997.. 576 894	157 252	17 287	402 355	559 430	174 466	20 855	364 109	X	X	X	X	
327320	Ready-mix concrete mfg ...	1999.. 582 981	204 195	15 785	363 002	569 853	204 611	32 103	333 140	7	14	12	7	
		1998.. 635 489	182 556	27 463	425 471	649 586	191 408	19 180	438 998	4	10	3	3	
		1997.. 576 894	157 252	17 287	402 355	559 430	174 466	20 855	364 109	X	X	X	X	
32733	Concrete pipe, brick, & block mfg	1999.. 733 476	586 758	29 872	116 846	700 408	528 693	59 234	112 481	4	5	11	5	
		1998.. 688 278	515 328	57 303	115 646	646 669	518 143	23 272	105 254	4	5	2	6	
		1997.. 637 604	509 048	23 674	104 882	593 069	469 933	26 270	96 866	X	X	X	X	
327331	Concrete block & brick mfg	1999.. 423 206	354 011	5 076	64 119	406 095	335 785	5 903	64 408	6	7	49	8	
		1998.. 387 636	313 086	13 625	60 924	351 633	290 499	8 878	52 256	5	5	3	6	
		1997.. 343 109	282 027	9 300	51 782	315 474	259 111	5 475	50 888	X	X	X	X	
327332	Concrete pipe mfg	1999.. 310 270	232 747	24 796	52 727	294 313	192 909	53 331	48 073	4	4	9	5	
		1998.. 300 642	202 242	43 678	54 722	295 036	227 644	14 394	52 998	6	8	3	11	
		1997.. 294 495	227 021	14 374	53 100	277 595	210 822	20 795	45 978	X	X	X	X	
32739	Other concrete product mfg ..	1999.. 710 488	430 028	82 293	198 167	633 693	390 376	73 014	170 303	3	3	8	4	
		1998.. 636 160	398 341	70 242	167 578	597 800	362 402	72 264	163 134	2	3	7	2	
		1997.. 605 688	380 871	63 107	161 710	575 900	355 605	58 934	161 361	X	X	X	X	
327390	Other concrete product mfg	1999.. 710 488	430 028	82 293	198 167	633 693	390 376	73 014	170 303	3	3	8	4	
		1998.. 636 160	398 341	70 242	167 578	597 800	362 402	72 264	163 134	2	3	7	2	
		1997.. 605 688	380 871	63 107	161 710	575 900	355 605	58 934	161 361	X	X	X	X	
3274	Lime & gypsum product mfg	1999.. 414 531	95 073	23 534	295 924	391 983	88 742	20 518	282 722	3	7	4	5	
		1998.. 375 099	67 764	24 430	282 906	378 595	89 920	23 235	265 439	4	23	5	2	
		1997.. 362 397	85 742	23 236	253 419	351 787	90 730	25 423	235 634	X	X	X	X	
32741	Lime mfg	1999.. 147 558	31 268	11 254	105 036	150 155	34 256	9 427	106 472	3	15	7	5	
		1998.. 146 282	19 224	14 668	112 390	142 305	18 640	13 045	110 621	1	10	8	2	
		1997.. 133 859	15 070	12 881	105 908	125 167	18 441	14 287	92 439	X	X	X	X	
327410	Lime mfg	1999.. 147 558	31 268	11 254	105 036	150 155	34 256	9 427	106 472	3	15	7	5	
		1998.. 146 282	19 224	14 668	112 390	142 305	18 640	13 045	110 621	1	10	8	2	
		1997.. 133 859	15 070	12 881	105 908	125 167	18 441	14 287	92 439	X	X	X	X	
32742	Gypsum product mfg	1999.. 266 973	63 805	12 280	190 888	241 827	54 486	11 091	176 250	5	7	5	7	
		1998.. 228 817	48 540	9 761	170 516	236 290	71 281	10 190	154 819	7	32	6	4	
		1997.. 228 538	70 672	10 355	147 511	226 620	72 289	11 136	143 195	X	X	X	X	
327420	Gypsum product mfg	1999.. 266 973	63 805	12 280	190 888	241 827	54 486	11 091	176 250	5	7	5	7	
		1998.. 228 817	48 540	9 761	170 516	236 290	71 281	10 190	154 819	7	32	6	4	
		1997.. 228 538	70 672	10 355	147 511	226 620	72 289	11 136	143 195	X	X	X	X	
3279	Other nonmetallic mineral product mfg	1999.. 1 638 620	720 935	311 556	606 129	1 621 492	681 620	325 416	614 456	2	3	4	3	
		1998.. 1 632 875	690 906	349 230	592 739	1 604 429	699 301	357 210	547 918	2	2	3	2	
		1997.. 1 607 232	679 055	360 473	567 704	1 610 537	709 222	365 645	535 670	X	X	X	X	
32791	Abrasive product mfg	1999.. 655 768	255 374	185 818	214 576	640 125	228 927	191 492	219 706	3	4	4	4	
		1998.. 676 737	231 560	227 884	217 293	709 725	258 770	242 918	208 037	2	5	4	3	
		1997.. 696 662	247 768	243 225	205 669	718 809	262 571	254 967	201 271	X	X	X	X	
327910	Abrasive product mfg	1999.. 655 768	255 374	185 818	214 576	640 125	228 927	191 492	219 706	3	4	4	4	
		1998.. 676 737	231 560	227 884	217 293	709 725	258 770	242 918	208 037	2	5	4	3	
		1997.. 696 662	247 768	243 225	205 669	718 809	262 571	254 967	201 271	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
327	Nonmetallic mineral product mfg—Con.												
3279	Other nonmetallic mineral product mfg—Con.												
32799	All other nonmetallic mineral product mfg	1999.. 982 852	465 561	125 738	391 553	981 367	452 693	133 924	394 750	3	3	7	4
		1998.. 956 138	459 346	121 346	375 446	894 703	440 531	114 291	339 881	2	3	4	3
		1997.. 910 570	431 287	117 248	362 035	891 728	446 651	110 678	334 939	X	X	X	X
327991	Cut stone & stone product mfg	1999.. 183 281	81 055	31 959	70 267	180 470	79 279	36 803	64 387	8	8	9	11
		1998.. 166 859	89 826	33 745	43 288	150 344	82 394	27 136	40 814	7	11	12	10
		1997.. 152 745	77 773	30 413	44 559	150 680	84 763	26 194	39 723	X	X	X	X
327992	Ground or treated mineral & earth mfg	1999.. 244 882	88 333	33 373	123 176	245 594	81 523	31 898	132 173	5	5	10	9
		1998.. 246 194	84 945	32 346	128 903	222 869	79 736	31 827	111 305	5	7	3	6
		1997.. 264 046	93 556	40 168	130 322	256 701	87 199	38 017	131 485	X	X	X	X
327993	Mineral wool mfg	1999.. 384 517	213 243	40 648	130 625	384 451	207 518	47 841	129 093	5	6	18	2
		1998.. 343 434	193 726	25 388	124 320	334 083	192 692	22 277	119 113	1	1	5	2
		1997.. 323 673	184 853	22 951	115 869	327 514	201 793	23 566	102 155	X	X	X	X
327999	All other miscellaneous nonmetallic mineral product mfg	1999.. 170 172	82 930	19 758	67 484	170 852	84 373	17 382	69 096	4	4	14	9
		1998.. 199 651	90 849	29 867	78 935	187 407	85 708	33 050	68 649	2	3	3	6
		1997.. 170 106	75 105	23 716	71 285	156 833	72 896	22 901	61 036	X	X	X	X
331	Primary metal mfg	1999.. 22 228 336	6 930 956	7 446 590	7 850 790	22 541 987	7 016 387	7 640 171	7 885 428	1	1	1	1
		1998.. 22 829 883	7 077 753	7 776 168	7 975 962	22 807 190	6 972 044	8 018 290	7 816 856	1	1	1	1
		1997.. 22 727 686	6 938 459	8 024 117	7 765 110	22 339 511	6 737 495	8 250 057	7 351 959	X	X	X	X
3311	Iron & steel mills & ferroalloy mfg	1999.. 9 329 297	3 216 402	3 047 402	3 065 494	9 762 991	3 336 385	3 092 507	3 334 099	1	1	1	1
		1998.. 9 633 418	3 305 266	3 084 227	3 243 924	9 509 994	3 204 362	3 158 252	3 147 380	1	1	1	1
		1997.. 9 468 093	3 199 415	3 158 582	3 110 096	9 204 289	3 080 015	3 054 604	3 069 670	X	X	X	X
33111	Iron & steel mills & ferroalloy mfg	1999.. 9 329 297	3 216 402	3 047 402	3 065 494	9 762 991	3 336 385	3 092 507	3 334 099	1	1	1	1
		1998.. 9 633 418	3 305 266	3 084 227	3 243 924	9 509 994	3 204 362	3 158 252	3 147 380	1	1	1	1
		1997.. 9 468 093	3 199 415	3 158 582	3 110 096	9 204 289	3 080 015	3 054 604	3 069 670	X	X	X	X
331111	Iron & steel mills	1999.. 9 119 165	3 134 129	2 988 285	2 996 752	9 519 167	3 246 453	3 033 414	3 239 301	1	1	1	1
		1998.. 9 376 440	3 207 524	3 020 496	3 148 419	9 252 276	3 106 785	3 095 140	3 050 351	1	1	1	1
		1997.. 9 210 486	3 101 897	3 095 490	3 013 099	8 981 147	2 995 903	3 002 714	2 982 530	X	X	X	X
331112	Electrometallurgical ferroalloy product mfg	1999.. 210 132	82 272	59 117	68 742	243 824	89 933	59 093	94 799	1	1	3	4
		1998.. 256 978	97 742	63 731	95 505	257 718	97 577	63 112	97 029	1	1	1	1
		1997.. 257 607	97 518	63 092	96 997	223 142	84 112	51 890	87 140	X	X	X	X
3312	Steel product mfg from purchased steel	1999.. 2 905 654	966 451	807 673	1 131 531	2 927 570	946 308	847 280	1 133 982	2	2	3	2
		1998.. 3 115 574	1 001 137	831 463	1 282 973	3 103 970	1 032 138	864 237	1 207 596	1	1	1	2
		1997.. 3 066 059	1 019 181	856 108	1 190 770	2 941 873	969 567	843 128	1 129 178	X	X	X	X
33121	Iron & steel pipes & tubes mfg from purchased steel	1999.. 1 274 429	436 465	267 460	570 504	1 278 452	420 533	271 842	586 076	3	5	7	3
		1998.. 1 264 577	424 682	233 526	606 369	1 203 495	432 743	253 465	517 288	1	2	2	2
		1997.. 1 205 112	442 343	251 260	511 509	1 157 385	432 985	227 121	497 279	X	X	X	X
331210	Iron & steel pipes & tubes mfg from purchased steel	1999.. 1 274 429	436 465	267 460	570 504	1 278 452	420 533	271 842	586 076	3	5	7	3
		1998.. 1 264 577	424 682	233 526	606 369	1 203 495	432 743	253 465	517 288	1	2	2	2
		1997.. 1 205 112	442 343	251 260	511 509	1 157 385	432 985	227 121	497 279	X	X	X	X
33122	Rolling & drawing of purchased steel	1999.. 1 631 225	529 986	540 213	561 026	1 649 118	525 775	575 438	547 906	1	1	1	3
		1998.. 1 850 997	576 455	597 938	676 604	1 900 475	599 395	610 772	690 308	1	2	1	3
		1997.. 1 860 947	576 838	604 848	679 261	1 784 488	536 582	616 007	631 899	X	X	X	X
331221	Cold-rolled steel shape mfg	1999.. 940 368	288 503	416 593	235 272	961 617	269 134	451 474	241 009	2	2	1	6
		1998.. 1 182 034	332 121	475 719	374 194	1 183 008	331 837	484 738	366 433	1	2	1	4
		1997.. 1 169 746	330 397	482 843	356 506	1 159 671	303 311	491 244	365 116	X	X	X	X
331222	Steel wire drawing	1999.. 690 857	241 483	123 620	325 754	687 501	256 641	123 963	306 897	1	2	2	2
		1998.. 668 963	244 334	122 219	302 411	717 467	267 558	126 034	323 875	2	4	3	3
		1997.. 691 201	246 441	122 005	322 755	624 817	233 271	124 763	266 783	X	X	X	X
3313	Alumina & aluminum production & processing	1999.. 3 487 932	829 849	1 022 604	1 635 479	3 482 999	848 184	1 175 184	1 459 632	1	1	1	1
		1998.. 3 525 674	855 617	1 211 151	1 458 906	3 692 595	884 902	1 315 557	1 492 137	1	1	1	1
		1997.. 3 680 382	863 933	1 325 748	1 490 701	3 693 620	823 504	1 557 769	1 312 347	X	X	X	X
33131	Alumina & aluminum production & processing	1999.. 3 487 932	829 849	1 022 604	1 635 479	3 482 999	848 184	1 175 184	1 459 632	1	1	1	1
		1998.. 3 525 674	855 617	1 211 151	1 458 906	3 692 595	884 902	1 315 557	1 492 137	1	1	1	1
		1997.. 3 680 382	863 933	1 325 748	1 490 701	3 693 620	823 504	1 557 769	1 312 347	X	X	X	X
331311	Alumina refining	1999.. 161 421	27 131	69 764	64 526	179 028	38 032	56 985	84 011	1	1	1	1
		1998.. 178 962	38 004	56 972	83 986	197 159	38 868	55 424	102 867	1	1	1	1
		1997.. 185 706	26 872	55 102	103 732	210 551	24 393	130 718	107 085	X	X	X	X
331312	Primary aluminum production	1999.. 620 488	88 615	214 335	317 538	668 338	123 785	99 770	444 783	1	1	1	1
		1998.. 657 419	124 099	104 445	428 875	683 363	127 288	100 791	455 284	1	1	1	1
		1997.. 677 119	126 579	95 502	455 038	721 611	97 227	209 642	414 742	X	X	X	X
331314	Secondary smelting & alloying of aluminum	1999.. 293 044	130 262	31 862	130 921	262 091	114 874	27 838	119 379	3	5	5	4
		1998.. 294 833	125 624	30 188	139 021	284 662	119 089	26 154	139 419	2	3	7	1
		1997.. 286 008	120 542	25 934	139 532	253 200	104 986	41 129	107 085	X	X	X	X
331315	Aluminum sheet, plate, & foil mfg	1999.. 1 693 742	393 159	536 623	763 960	1 665 836	377 300	778 996	509 540	1	1	2	1
		1998.. 1 706 770	387 676	795 491	523 604	1 763 559	378 643	902 201	482 715	1	1	1	1
		1997.. 1 782 025	374 908	924 951	482 166	1 834 710	418 471	966 527	449 712	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—										
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D							
		A	B	C	D	E	F	G	H	A	B	C	D							
331	Primary metal mfg—Con.																			
3313	Alumina & aluminum production & processing—Con.																			
33131	Alumina & aluminum production & processing—Con.																			
331316	Aluminum extruded product mfg	1999.. 571 878	148 307	128 954	294 618	559 034	149 134	169 031	240 869	3	4	4	4							
		1998.. 529 771	128 310	181 270	220 192	608 318	157 271	199 716	251 331	2	4	3	3							
		1997.. 597 618	152 869	193 653	251 096	537 741	132 459	173 089	232 193	X	X	X	X							
331319	Other aluminum rolling & drawing	1999.. 147 358	42 375	41 067	63 916	148 672	45 058	42 563	61 051	2	4	1	3							
		1998.. 157 919	51 905	42 786	63 228	155 534	63 743	31 270	60 521	1	4	1	1							
		1997.. 151 906	62 163	30 606	59 137	135 807	45 968	36 664	53 175	X	X	X	X							
3314	Nonferrous metal (except aluminum) production & processing	1999.. 3 640 829	915 115	1 686 034	1 039 680	3 578 497	923 012	1 639 878	1 015 608	1	3	1	2							
		1998.. 3 724 580	953 602	1 711 329	1 059 648	3 742 625	923 058	1 783 105	1 036 462	1	1	1	1							
		1997.. 3 743 377	919 133	1 782 592	1 041 652	3 840 677	958 013	1 923 247	959 417	X	X	X	X							
33141	Nonferrous metal (except aluminum) smelting & refining	1999.. 847 641	179 535	426 659	241 446	814 068	168 519	413 505	232 044	2	7	1	3							
		1998.. 869 250	190 552	441 295	237 403	888 284	184 288	462 329	241 667	1	3	1	2							
		1997.. 874 703	178 849	458 482	237 372	975 813	194 264	540 705	240 844	X	X	X	X							
331411	Primary smelting & refining of copper	1999.. 351 101	27 971	258 647	64 483	344 340	41 987	250 857	51 496	1	2	1	2							
		1998.. 391 154	69 539	262 298	59 317	428 272	74 246	284 907	69 119	1	1	1	1							
		1997.. 428 272	74 246	284 907	69 119	527 278	90 582	357 113	79 583	X	X	X	X							
331419	Other nonferrous metal primary smelting & refining	1999.. 496 540	151 564	168 012	176 964	469 728	126 532	162 648	180 548	3	8	4	4							
		1998.. 478 096	121 013	178 997	178 086	460 012	110 042	177 422	172 548	1	4	1	2							
		1997.. 446 431	104 603	173 575	168 253	448 535	103 682	183 592	161 261	X	X	X	X							
33142	Copper rolling, drawing, extruding, & alloying	1999.. 992 070	269 260	423 492	299 318	970 188	281 959	413 185	275 044	1	2	4	6							
		1998.. 1 015 353	288 726	414 965	311 662	1 011 672	299 097	425 944	286 631	1	1	1	1							
		1997.. 1 021 711	301 265	431 283	289 163	1 016 115	298 175	448 418	269 522	X	X	X	X							
331421	Copper rolling, drawing, & extruding	1999.. 797 518	181 822	385 343	230 354	782 243	195 894	376 136	210 213	1	2	5	8							
		1998.. 813 627	203 878	370 928	238 821	813 737	210 360	383 103	220 274	1	1	1	2							
		1997.. 825 915	213 434	389 106	223 375	821 449	205 565	406 132	209 752	X	X	X	X							
331422	Copper wire (except mechanical) drawing	1999.. 114 930	45 363	25 490	44 077	112 037	45 252	23 505	43 280	5	4	5	6							
		1998.. 121 188	46 642	29 486	45 060	111 395	47 044	28 348	36 003	4	2	12	4							
		1997.. 109 326	46 169	27 707	35 450	104 872	47 447	25 708	31 717	X	X	X	X							
331423	Secondary smelting, refining, & alloying of copper	1999.. 79 622	42 075	12 659	24 888	75 908	40 813	13 544	21 551	6	9	21	5							
		1998.. 80 538	38 207	14 551	27 781	86 540	41 693	14 493	30 354	4	5	1	4							
		1997.. 86 470	41 662	14 470	30 338	89 794	45 163	16 578	28 053	X	X	X	X							
33149	Other nonferrous metal rolling, drawing, extruding, & alloying	1999.. 1 801 118	466 320	835 883	498 915	1 794 241	472 534	813 188	508 520	1	5	1	2							
		1998.. 1 839 977	474 324	855 070	510 584	1 842 669	439 673	894 832	508 164	1	1	1	1							
		1997.. 1 846 963	439 019	892 827	515 117	1 848 749	465 574	934 124	449 051	X	X	X	X							
331491	Other nonferrous metal rolling, drawing, & extruding	1999.. 1 369 129	298 712	713 600	356 816	1 352 710	309 603	673 749	369 358	1	2	1	2							
		1998.. 1 395 942	320 781	705 046	370 115	1 392 224	297 104	727 541	367 579	1	2	1	1							
		1997.. 1 395 845	296 759	725 931	373 155	1 413 125	305 693	778 467	328 965	X	X	X	X							
331492	Other nonferrous metal secondary smelting, refining, & alloying	1999.. 431 990	167 608	122 283	142 099	441 531	162 931	139 438	139 162	5	13	6	5							
		1998.. 444 035	153 543	150 024	140 469	450 445	142 569	167 291	140 585	1	2	2	2							
		1997.. 451 118	142 260	166 896	141 962	435 624	159 881	155 657	120 086	X	X	X	X							
3315	Foundries	1999.. 2 864 624	1 003 139	882 878	978 607	2 789 929	962 499	885 323	942 107	1	1	2	1							
		1998.. 2 830 638	962 131	937 997	930 510	2 758 006	927 584	897 140	933 281	2	2	5	2							
		1997.. 2 769 775	936 797	901 087	931 891	2 659 052	906 396	871 309	881 347	X	X	X	X							
33151	Ferrous metal foundries	1999.. 1 761 462	681 228	486 094	594 139	1 736 340	673 527	494 039	568 774	1	1	2	2							
		1998.. 1 708 657	678 820	498 929	530 909	1 703 001	636 054	513 361	553 586	2	3	3	2							
		1997.. 1 716 218	644 539	518 034	553 645	1 657 028	630 254	492 956	533 818	X	X	X	X							
331511	Iron foundries	1999.. 1 040 362	474 952	194 765	370 645	1 044 937	490 947	198 640	355 349	1	1	3	3							
		1998.. 1 009 511	476 594	212 328	320 589	1 008 632	453 182	209 976	345 474	3	2	5	3							
		1997.. 1 029 059	460 441	220 727	347 891	995 597	461 430	218 968	315 199	X	X	X	X							
331512	Steel investment foundries	1999.. 278 750	52 789	148 004	77 957	287 041	46 299	160 611	80 131	2	3	2	3							
		1998.. 289 910	61 733	150 775	77 403	297 521	48 919	164 966	83 636	5	26	5	2							
		1997.. 299 118	49 418	164 751	84 949	276 155	39 256	145 256	91 643	X	X	X	X							
331513	Steel foundries (except investment)	1999.. 442 350	153 488	143 325	145 536	404 362	136 280	134 788	133 294	2	2	6	2							
		1998.. 409 235	140 492	135 826	132 918	396 848	133 953	138 419	124 476	1	2	1	1							
		1997.. 388 041	134 680	132 556	120 805	385 276	129 568	128 732	126 976	X	X	X	X							

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
331	Primary metal mfg—Con.													
3315	Foundries—Con.													
33152	Nonferrous metal foundries . . .	1999.. 1 103 162	321 911	396 783	384 467	1 053 589	288 972	391 284	373 333	2	3	3	3	
		1998.. 1 121 980	283 311	439 068	399 601	1 055 004	291 530	383 779	379 695	5	2	10	3	
		1997.. 1 053 557	292 258	383 053	378 246	1 002 024	276 142	378 353	347 529	X	X	X	X	
331521	Aluminum die-casting foundries	1999.. 360 915	112 885	116 525	131 505	325 564	98 179	112 765	114 620	1	3	2	3	
		1998.. 341 418	98 134	121 525	121 758	333 973	102 381	103 806	127 786	2	4	4	3	
		1997.. 337 888	105 280	104 668	127 940	325 430	98 568	113 005	113 857	X	X	X	X	
331522	Nonferrous (except aluminum) die-casting foundries	1999.. 186 055	75 310	58 506	52 239	185 754	71 073	59 482	55 199	3	5	6	5	
		1998.. 196 714	62 920	70 856	62 938	193 090	65 243	65 008	62 839	4	5	8	7	
		1997.. 184 669	62 459	62 720	59 490	185 472	63 448	63 704	58 320	X	X	X	X	
331524	Aluminum foundries (except die-casting)	1999.. 333 917	88 323	118 391	127 204	321 896	76 360	117 058	128 478	3	6	4	6	
		1998.. 312 475	71 595	109 934	130 946	308 137	71 494	121 685	114 957	1	2	3	3	
		1997.. 303 416	69 709	120 155	113 552	291 423	70 223	115 366	105 834	X	X	X	X	
331525	Copper foundries (except die-casting)	1999.. 83 213	26 537	27 491	29 184	78 509	23 752	25 085	29 672	12	14	12	12	
		1998.. 94 628	27 895	29 265	37 468	93 041	28 744	31 096	33 201	3	11	6	6	
		1997.. 91 235	27 788	30 352	33 095	85 447	26 575	26 655	32 217	X	X	X	X	
331528	Other nonferrous foundries (except die-casting)	1999.. 139 061	18 856	75 870	44 336	141 865	19 607	76 895	45 364	8	9	13	6	
		1998.. 176 746	22 768	107 488	46 491	126 763	23 667	62 184	40 912	29	4	40	19	
		1997.. 136 349	27 022	65 158	44 169	114 252	17 328	59 623	37 301	X	X	X	X	
332	Fabricated metal product mfg	1999.. 32 625 032	11 014 676	10 063 184	11 547 172	32 247 025	10 775 549	10 127 471	11 344 005	1	1	1	1	
		1998.. 32 687 351	10 827 823	10 293 425	11 566 103	31 812 924	10 418 357	10 143 784	11 250 784	1	1	1	1	
		1997.. 31 774 159	10 242 479	10 235 845	11 295 835	30 466 548	10 007 795	9 723 062	10 735 691	X	X	X	X	
3321	Forging & stamping	1999.. 3 133 081	922 124	949 829	1 261 128	3 220 169	928 705	1 047 352	1 244 112	1	2	2	2	
		1998.. 3 274 268	959 371	1 048 059	1 266 838	3 225 393	854 136	1 093 671	1 277 586	1	3	3	2	
		1997.. 3 169 973	832 532	1 069 934	1 267 507	2 932 510	812 755	967 187	1 152 568	X	X	X	X	
33211	Forging & stamping	1999.. 3 133 081	922 124	949 829	1 261 128	3 220 169	928 705	1 047 352	1 244 112	1	2	2	2	
		1998.. 3 274 268	959 371	1 048 059	1 266 838	3 225 393	854 136	1 093 671	1 277 586	1	3	3	2	
		1997.. 3 169 973	832 532	1 069 934	1 267 507	2 932 510	812 755	967 187	1 152 568	X	X	X	X	
332111	Iron & steel forging	1999.. 710 437	141 025	292 920	276 492	788 156	138 227	349 470	300 459	2	4	2	4	
		1998.. 826 358	178 396	341 341	306 621	800 568	114 441	368 150	317 977	2	14	7	3	
		1997.. 782 661	109 772	365 433	307 456	683 131	103 923	334 979	244 229	X	X	X	X	
332112	Nonferrous forging	1999.. 317 929	61 125	115 082	141 722	308 864	56 236	178 666	73 962	2	9	5	3	
		1998.. 307 005	37 296	176 574	93 135	312 043	36 345	178 799	96 899	1	1	1	1	
		1997.. 312 283	36 031	177 552	98 700	278 422	41 326	162 407	74 689	X	X	X	X	
332114	Custom roll forming	1999.. 439 593	133 498	95 596	210 499	492 327	158 024	94 862	239 440	2	3	6	4	
		1998.. 486 027	159 489	96 527	230 011	503 148	156 504	115 276	231 367	6	2	12	9	
		1997.. 478 923	141 356	103 376	234 191	423 284	134 598	76 065	212 621	X	X	X	X	
332115	Crown & closure mfg	1999.. 119 768	54 105	22 097	43 566	115 000	58 486	19 366	37 148	1	1	3	1	
		1998.. 116 905	58 635	19 343	38 928	120 280	56 839	16 934	46 507	1	1	1	1	
		1997.. 124 678	59 794	17 530	47 354	127 838	56 425	24 642	46 771	X	X	X	X	
332116	Metal stamping	1999.. 1 368 140	489 803	340 311	538 027	1 347 170	470 946	328 983	547 242	2	3	3	2	
		1998.. 1 381 810	483 967	343 570	554 274	1 335 227	452 170	344 650	538 407	1	2	2	2	
		1997.. 1 317 042	448 501	335 772	532 769	1 272 233	435 776	318 046	518 411	X	X	X	X	
332117	Powder metallurgy part mfg	1999.. 177 213	42 567	83 824	50 822	168 651	46 786	76 004	45 861	14	18	19	12	
		1998.. 156 162	41 589	70 703	43 870	154 127	37 836	69 862	46 429	2	4	1	3	
		1997.. 154 386	37 078	70 271	47 037	147 602	40 707	51 048	55 847	X	X	X	X	
3322	Cutlery & handtool mfg	1999.. 1 934 535	838 451	553 067	543 017	1 948 047	836 250	579 221	532 576	1	2	2	3	
		1998.. 1 941 885	741 418	652 011	548 456	1 931 140	844 347	578 087	508 705	5	10	8	3	
		1997.. 1 921 594	833 214	575 339	513 041	1 875 297	841 757	537 938	495 602	X	X	X	X	
33221	Cutlery & handtool mfg	1999.. 1 934 535	838 451	553 067	543 017	1 948 047	836 250	579 221	532 576	1	2	2	3	
		1998.. 1 941 885	741 418	652 011	548 456	1 931 140	844 347	578 087	508 705	5	10	8	3	
		1997.. 1 921 594	833 214	575 339	513 041	1 875 297	841 757	537 938	495 602	X	X	X	X	
332211	Cutlery & flatware (except precious) mfg	1999.. 274 387	129 971	67 483	76 933	283 733	123 332	80 974	79 428	2	2	3	6	
		1998.. 282 186	122 355	83 623	76 208	300 306	127 909	98 359	74 038	1	1	2	1	
		1997.. 299 075	127 721	97 465	73 889	251 574	104 470	80 939	66 165	X	X	X	X	
332212	Hand & edge tool mfg	1999.. 1 216 690	508 826	381 267	326 598	1 188 518	501 850	386 117	300 552	2	2	1	3	
		1998.. 1 199 373	435 235	449 508	314 629	1 178 473	504 530	380 951	292 992	7	16	11	4	
		1997.. 1 180 534	500 744	380 113	299 677	1 164 866	515 589	361 872	287 405	X	X	X	X	
332213	Saw blade & handsaw mfg	1999.. 255 408	109 659	68 193	77 557	245 527	114 935	58 515	72 077	4	4	10	2	
		1998.. 240 228	111 493	63 813	64 922	241 188	119 344	54 151	67 693	4	7	13	13	
		1997.. 230 781	112 308	53 165	65 308	238 159	128 862	51 125	58 172	X	X	X	X	
332214	Kitchen utensil, pot, & pan mfg	1999.. 188 050	89 995	36 125	61 929	230 268	96 133	53 616	80 519	8	5	4	15	
		1998.. 220 097	72 335	55 066	92 697	211 172	92 565	44 626	73 981	6	33	3	13	
		1997.. 211 204	92 441	44 596	74 167	220 698	92 836	44 002	83 860	X	X	X	X	
3323	Architectural & structural metals mfg	1999.. 6 512 514	1 606 702	2 048 706	2 857 106	6 444 653	1 612 068	2 027 077	2 805 508	1	3	2	2	
		1998.. 6 455 532	1 610 316	1 908 437	2 936 778	6 119 570	1 521 254	1 844 553	2 753 764	1	1	2	1	
		1997.. 6 121 871	1 488 387	1 863 058	2 770 426	5 768 543	1 426 746	1 677 503	2 664 294	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
332	Fabricated metal product mfg—Con.													
3323	Architectural & structural metals mfg—Con.													
33231	Plate work & fabricated structural product mfg	1999.. 2 767 637	552 463	1 146 082	1 069 093	2 768 647	575 861	1 152 258	1 040 528	2	5	2	2	
		1998.. 2 726 508	535 639	1 081 888	1 108 981	2 645 962	525 680	1 065 524	1 054 758	1	2	2	2	
		1997.. 2 675 004	521 474	1 075 721	1 077 809	2 483 837	486 565	961 814	1 035 458	X	X	X	X	
332311	Prefabricated metal building & component mfg	1999.. 408 518	81 839	78 013	248 666	418 227	82 644	86 509	249 073	4	8	7	5	
		1998.. 405 831	85 660	73 528	246 643	380 808	82 476	63 522	234 810	4	7	9	6	
		1997.. 395 227	83 865	67 396	243 966	373 941	71 729	59 942	242 270	X	X	X	X	
332312	Fabricated structural metal mfg	1999.. 2 015 633	431 608	882 794	701 231	2 049 676	462 756	905 145	681 775	2	5	3	3	
		1998.. 1 989 676	401 369	852 776	735 531	1 912 448	396 199	823 297	692 952	1	2	2	2	
		1997.. 1 920 089	386 619	835 562	697 908	1 773 489	376 163	737 744	659 582	X	X	X	X	
332313	Plate work mfg	1999.. 343 486	39 016	185 275	119 196	300 744	30 461	160 604	109 680	6	30	6	6	
		1998.. 331 001	48 611	155 584	126 807	352 706	47 006	178 704	126 996	4	5	8	5	
		1997.. 359 688	50 990	172 763	135 935	336 407	38 673	164 128	133 606	X	X	X	X	
33232	Ornamental & architectural metal products mfg	1999.. 3 744 877	1 054 239	902 624	1 788 014	3 676 006	1 036 208	874 819	1 764 980	2	4	3	2	
		1998.. 3 729 024	1 074 677	826 550	1 827 797	3 473 607	995 573	779 029	1 699 006	1	2	2	1	
		1997.. 3 446 867	966 913	787 337	1 692 617	3 284 706	940 181	715 689	1 628 836	X	X	X	X	
332321	Metal window & door mfg ..	1999.. 1 185 254	294 488	198 797	691 968	1 146 306	283 847	190 202	672 258	3	9	2	2	
		1998.. 1 230 358	360 403	187 424	682 532	1 153 820	322 252	173 226	658 343	2	5	5	2	
		1997.. 1 138 217	315 923	171 222	651 072	1 084 419	309 875	159 199	615 345	X	X	X	X	
332322	Sheet metal work mfg	1999.. 1 945 848	552 296	552 113	841 439	1 941 588	553 863	533 121	854 604	2	4	3	3	
		1998.. 1 945 199	520 615	526 654	897 930	1 816 896	495 049	497 559	824 288	1	3	2	2	
		1997.. 1 807 990	471 481	509 198	827 311	1 704 548	450 635	454 157	799 756	X	X	X	X	
332323	Ornamental & architectural metal work mfg	1999.. 613 775	207 454	151 714	254 607	588 112	198 498	151 495	238 119	6	8	11	7	
		1998.. 553 468	193 660	112 472	247 336	502 891	178 272	108 244	216 375	2	2	5	2	
		1997.. 500 660	179 509	106 917	214 234	495 739	179 671	102 333	213 735	X	X	X	X	
3324	Boiler, tank, & shipping container mfg	1999.. 2 888 393	1 098 368	773 380	1 016 645	2 843 613	1 099 803	833 247	910 564	2	1	5	2	
		1998.. 2 882 125	1 115 086	805 797	961 241	2 888 571	1 033 757	818 625	1 036 189	1	1	2	2	
		1997.. 2 859 635	1 024 619	812 203	1 022 813	2 751 094	937 708	796 636	1 016 750	X	X	X	X	
33241	Power boiler & heat exchanger mfg	1999.. 610 844	101 153	326 454	183 236	616 227	93 413	342 226	180 588	7	9	11	5	
		1998.. 623 425	91 268	329 864	202 292	585 332	74 895	322 942	187 494	3	2	3	5	
		1997.. 605 375	86 740	329 399	189 236	580 452	84 767	304 373	191 312	X	X	X	X	
332410	Power boiler & heat exchanger mfg	1999.. 610 844	101 153	326 454	183 236	616 227	93 413	342 226	180 588	7	9	11	5	
		1998.. 623 425	91 268	329 864	202 292	585 332	74 895	322 942	187 494	3	2	3	5	
		1997.. 605 375	86 740	329 399	189 236	580 452	84 767	304 373	191 312	X	X	X	X	
33242	Metal tank (heavy gauge) mfg	1999.. 592 098	117 342	212 002	262 754	649 729	118 886	242 133	288 709	2	4	4	3	
		1998.. 655 269	117 380	246 989	290 900	639 124	110 593	248 483	280 048	3	8	6	3	
		1997.. 631 781	115 304	251 237	265 240	616 604	781 604	253 215	261 732	X	X	X	X	
332420	Metal tank (heavy gauge) mfg	1999.. 592 098	117 342	212 002	262 754	649 729	118 886	242 133	288 709	2	4	4	3	
		1998.. 655 269	117 380	246 989	290 900	639 124	110 593	248 483	280 048	3	8	6	3	
		1997.. 631 781	115 304	251 237	265 240	616 604	781 604	253 215	261 732	X	X	X	X	
33243	Metal can, box, & other metal container (light gauge) mfg ..	1999.. 1 685 451	879 872	234 924	570 654	1 577 658	887 504	248 887	441 266	1	1	4	2	
		1998.. 1 603 431	906 438	228 944	468 049	1 664 114	848 268	247 199	568 647	1	1	5	2	
		1997.. 1 622 479	822 575	231 567	568 337	1 554 038	751 284	239 048	563 706	X	X	X	X	
332431	Metal can mfg	1999.. 1 361 984	783 204	170 869	407 912	1 258 836	787 259	181 024	290 553	1	1	5	1	
		1998.. 1 276 596	808 428	163 113	305 054	1 313 702	750 370	166 337	396 995	1	1	2	1	
		1997.. 1 305 833	750 078	164 071	391 684	1 235 184	690 896	159 939	384 349	X	X	X	X	
332439	Other metal container mfg ..	1999.. 323 467	96 669	64 055	162 743	318 822	100 246	67 863	150 713	3	3	4	5	
		1998.. 326 835	98 010	65 831	162 995	350 412	97 899	80 862	171 651	5	3	16	7	
		1997.. 316 646	72 497	67 496	176 653	318 854	60 388	79 109	179 357	X	X	X	X	
3325	Hardware mfg	1999.. 1 389 136	480 086	435 770	473 280	1 304 474	435 244	408 271	460 959	2	3	3	2	
		1998.. 1 349 563	455 683	427 399	466 482	1 298 035	422 970	440 973	434 092	1	2	2	1	
		1997.. 1 318 965	426 678	450 842	441 445	1 259 066	403 396	435 082	420 588	X	X	X	X	
33251	Hardware mfg	1999.. 1 389 136	480 086	435 770	473 280	1 304 474	435 244	408 271	460 959	2	3	3	2	
		1998.. 1 349 563	455 683	427 399	466 482	1 298 035	422 970	440 973	434 092	1	2	2	1	
		1997.. 1 318 965	426 678	450 842	441 445	1 259 066	403 396	435 082	420 588	X	X	X	X	
332510	Hardware mfg	1999.. 1 389 136	480 086	435 770	473 280	1 304 474	435 244	408 271	460 959	2	3	3	2	
		1998.. 1 349 563	455 683	427 399	466 482	1 298 035	422 970	440 973	434 092	1	2	2	1	
		1997.. 1 318 965	426 678	450 842	441 445	1 259 066	403 396	435 082	420 588	X	X	X	X	
3326	Spring & wire product mfg	1999.. 1 116 605	550 421	178 069	388 115	1 052 156	514 047	167 316	370 793	2	3	4	3	
		1998.. 1 051 982	511 075	195 402	345 504	1 028 598	490 717	178 328	359 553	3	5	6	5	
		1997.. 992 534	464 810	173 568	354 156	960 098	452 127	168 140	339 831	X	X	X	X	
33261	Spring & wire product mfg	1999.. 1 116 605	550 421	178 069	388 115	1 052 156	514 047	167 316	370 793	2	3	4	3	
		1998.. 1 051 982	511 075	195 402	345 504	1 028 598	490 717	178 328	359 553	3	5	6	5	
		1997.. 992 534	464 810	173 568	354 156	960 098	452 127	168 140	339 831	X	X	X	X	
332611	Spring (heavy gauge) mfg ..	1999.. 122 914	72 922	14 935	35 056	129 839	78 662	15 775	35 403	4	5	7	7	
		1998.. 112 385	56 889	29 246	26 250	128 753	69 786	17 659	41 308	21	34	29	47	
		1997.. 116 985	64 384	14 950	37 651	106 085	56 537	16 757	32 791	X	X	X	X	
332612	Spring (light gauge) mfg ...	1999.. 237 567	119 363	31 526	86 677	227 958	111 741	29 515	86 702	5	6	20	3	
		1998.. 240 458	127 505	38 806	74 147	226 238	114 228	35 284	76 726	5	6	10	6	
		1997.. 204 743	107 234	31 494	66 015	202 411	108 502	28 174	65 735	X	X	X	X	
332618	Other fabricated wire product mfg	1999.. 756 125	358 137	131 607	266 381	694 359	323 644	122 026	248 689	3	4	4	4	
		1998.. 699 138	326 681	127 350	245 108	673 607	306 703	125 385	241 519	2	3	6	3	
		1997.. 670 806	293 192	127 124	250 490	651 602	287 088	123 209	241 305	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
332	Fabricated metal product mfg—Con.													
3327	Machine shops, turned product, & screw, nut, & bolt mfg.....	1999.. 5 355 630	1 728 075	2 295 246	1 332 309	5 336 956	1 701 826	2 285 862	1 349 267	2	2	2	2	
		1998.. 5 260 293	1 605 039	2 321 421	1 333 832	5 057 252	1 522 020	2 300 300	1 234 931	2	3	3	3	
		1997.. 5 184 494	1 479 198	2 440 473	1 264 823	4 960 946	1 485 544	2 280 887	1 194 515	X	X	X	X	
33271	Machine shops	1999.. 3 173 516	751 974	1 626 079	795 463	3 135 214	747 206	1 584 667	803 341	2	5	3	4	
		1998.. 3 045 848	669 306	1 615 732	760 810	2 957 923	656 081	1 612 438	689 404	4	7	5	4	
		1997.. 3 081 347	599 006	1 750 973	731 368	2 923 676	601 940	1 657 032	664 704	X	X	X	X	
332710	Machine shops	1999.. 3 173 516	751 974	1 626 079	795 463	3 135 214	747 206	1 584 667	803 341	2	5	3	4	
		1998.. 3 045 848	669 306	1 615 732	760 810	2 957 923	656 081	1 612 438	689 404	4	7	5	4	
		1997.. 3 081 347	599 006	1 750 973	731 368	2 923 676	601 940	1 657 032	664 704	X	X	X	X	
33272	Turned product & screw, nut, & bolt mfg	1999.. 2 182 114	976 101	669 167	536 846	2 201 742	954 621	701 195	545 926	2	2	4	2	
		1998.. 2 214 444	935 732	705 690	573 022	2 099 329	865 939	687 862	545 527	2	2	2	3	
		1997.. 2 103 147	880 192	689 500	533 455	2 037 270	883 604	623 855	529 811	X	X	X	X	
332721	Precision turned product mfg	1999.. 895 570	338 084	323 478	234 008	893 013	333 402	326 266	233 345	2	3	3	3	
		1998.. 903 915	319 221	334 304	250 390	870 346	297 354	330 552	242 441	3	6	3	5	
		1997.. 869 853	303 791	324 804	241 258	820 506	289 763	303 787	226 956	X	X	X	X	
332722	Bolt, nut, screw, rivet, & washer mfg	1999.. 1 286 544	638 017	345 689	302 838	1 308 729	621 219	374 929	312 580	3	2	8	2	
		1998.. 1 310 529	616 511	371 386	322 632	1 228 982	568 585	357 311	303 086	1	1	1	3	
		1997.. 1 233 294	576 401	364 696	292 197	1 216 764	593 841	320 068	302 855	X	X	X	X	
3328	Coating, engraving, heat treating, & allied activities	1999.. 1 806 381	590 026	360 950	855 405	1 655 342	522 438	342 816	790 088	2	2	4	2	
		1998.. 1 683 910	549 590	328 060	806 259	1 660 825	523 042	323 046	814 737	1	2	1	1	
		1997.. 1 674 769	524 057	330 063	820 649	1 555 739	544 890	312 652	698 197	X	X	X	X	
33281	Coating, engraving, heat treating, & allied activities	1999.. 1 806 381	590 026	360 950	855 405	1 655 342	522 438	342 816	790 088	2	2	4	2	
		1998.. 1 683 910	549 590	328 060	806 259	1 660 825	523 042	323 046	814 737	1	2	1	1	
		1997.. 1 674 769	524 057	330 063	820 649	1 555 739	544 890	312 652	698 197	X	X	X	X	
332811	Metal heat treating	1999.. 479 517	110 051	113 213	256 253	400 895	95 458	114 048	191 389	4	5	6	4	
		1998.. 449 318	128 583	123 829	196 906	448 744	128 565	121 230	198 949	2	6	3	4	
		1997.. 455 939	123 286	123 340	209 313	393 452	123 602	106 704	163 146	X	X	X	X	
332812	Metal coating/engraving (exc jewelry/silverware)/allied services	1999.. 968 637	381 755	187 439	399 444	901 008	327 501	165 940	407 567	2	2	5	5	
		1998.. 884 802	325 742	151 646	407 415	870 668	301 355	150 905	418 408	1	1	1	2	
		1997.. 871 382	307 288	155 654	408 440	827 694	320 008	149 347	358 339	X	X	X	X	
332813	Electroplating, plating, polishing, anodizing, & coloring	1999.. 358 227	98 220	60 298	199 709	353 439	99 479	62 828	191 132	3	6	11	2	
		1998.. 349 790	95 266	52 585	201 939	341 413	93 122	50 910	197 381	2	3	4	1	
		1997.. 347 448	93 483	51 069	202 896	334 593	101 280	56 601	176 712	X	X	X	X	
3329	Other fabricated metal product mfg	1999.. 8 488 757	3 200 424	2 468 166	2 820 167	8 441 614	3 125 167	2 436 309	2 880 137	1	1	2	2	
		1998.. 8 787 795	3 280 244	2 606 839	2 900 712	8 603 541	3 206 114	2 566 201	2 831 225	1	2	1	1	
		1997.. 8 530 324	3 168 984	2 520 365	2 840 975	8 403 255	3 102 872	2 547 037	2 753 346	X	X	X	X	
33291	Metal valve mfg	1999.. 4 199 513	1 765 495	1 051 167	1 382 851	4 194 540	1 689 162	1 062 905	1 442 473	2	2	2	4	
		1998.. 4 313 157	1 785 191	1 122 708	1 405 257	4 288 511	1 731 804	1 125 297	1 431 411	1	2	3	2	
		1997.. 4 291 706	1 740 011	1 117 786	1 433 909	4 191 357	1 727 174	1 153 800	1 310 383	X	X	X	X	
332911	Industrial valve mfg	1999.. 1 968 928	702 897	541 692	724 340	1 973 197	699 498	534 462	739 238	3	2	4	7	
		1998.. 1 981 659	735 063	550 250	696 347	2 037 854	744 384	564 810	728 661	2	1	4	3	
		1997.. 1 976 473	717 743	542 395	716 335	1 945 750	723 820	605 165	616 765	X	X	X	X	
332912	Fluid power valve & hose fitting mfg	1999.. 1 269 370	598 122	319 911	351 337	1 244 244	541 925	326 941	375 378	2	2	3	3	
		1998.. 1 301 355	560 633	340 800	399 923	1 238 718	527 864	328 054	382 800	1	2	3	4	
		1997.. 1 244 206	528 190	330 743	385 273	1 218 108	541 377	319 752	356 979	X	X	X	X	
332913	Plumbing fixture fitting & trim mfg	1999.. 505 973	231 798	100 661	173 514	513 037	225 206	107 415	180 416	5	9	5	3	
		1998.. 528 680	213 927	119 580	195 173	550 693	240 725	131 490	178 479	8	14	2	7	
		1997.. 565 001	249 158	133 473	182 370	535 426	229 067	125 725	180 634	X	X	X	X	
332919	Other metal valve & pipe fitting mfg	1999.. 455 242	232 678	88 904	133 659	464 061	222 533	94 087	147 441	4	5	8	5	
		1998.. 501 462	275 568	112 078	113 815	461 246	218 831	100 944	141 472	6	11	14	17	
		1997.. 506 026	244 920	111 175	149 931	492 073	232 910	103 158	156 005	X	X	X	X	
33299	All other fabricated metal product mfg	1999.. 4 289 243	1 434 929	1 416 999	1 437 316	4 247 074	1 436 005	1 373 404	1 437 664	1	2	3	1	
		1998.. 4 474 638	1 495 053	1 484 130	1 495 455	4 315 030	1 474 311	1 440 905	1 399 815	1	2	2	1	
		1997.. 4 238 618	1 428 973	1 402 579	1 407 066	4 211 898	1 375 698	1 393 237	1 442 963	X	X	X	X	
332991	Ball & roller bearing mfg.	1999.. 1 002 314	405 836	333 781	262 697	1 026 454	406 617	333 499	286 338	1	2	4	2	
		1998.. 1 040 837	393 323	363 661	283 853	1 003 497	351 765	360 714	291 018	1	1	1	1	
		1997.. 960 594	316 998	356 275	287 321	963 018	302 232	358 469	302 317	X	X	X	X	
332992	Small arms ammunition mfg	1999.. 215 393	86 918	56 296	72 180	221 432	96 199	55 387	69 847	1	1	1	1	
		1998.. 220 406	97 288	52 394	70 723	231 002	113 481	52 719	64 802	1	1	1	1	
		1997.. 228 253	113 706	49 911	64 636	227 368	106 372	49 135	71 861	X	X	X	X	
332993	Ammunition (except small arms) mfg	1999.. 137 982	9 095	116 445	12 443	122 301	10 122	101 071	11 108	7	4	8	8	
		1998.. 130 160	10 767	106 528	12 865	155 588	7 450	134 979	13 159	1	5	1	2	
		1997.. 152 453	7 706	131 418	13 329	178 931	9 828	155 306	13 797	X	X	X	X	
332994	Small arms mfg	1999.. 340 145	116 125	104 066	119 953	351 066	142 463	89 674	118 929	3	4	4	3	
		1998.. 363 942	149 109	108 192	106 641	355 232	146 768	107 278	101 186	1	2	1	1	
		1997.. 353 368	146 458	106 062	100 848	374 150	149 714	120 000	104 436	X	X	X	X	
332995	Other ordnance & accessories mfg	1999.. 251 192	4 298	226 806	20 089	247 770	4 408	207 027	36 335	1	6	1	5	
		1998.. 255 574	5 113	212 758	37 702	270 442	62 022	166 347	42 073	1	1	1	1	
		1997.. 263 626	61 715	160 208	41 703	252 891	61 762	146 470	44 659	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
332	Fabricated metal product mfg—Con.												
3329	Other fabricated metal product mfg—Con.												
33299	All other fabricated metal product mfg—Con.												
332996	Fabricated pipe & pipe fitting mfg	1999.. 632 249	253 304	108 580	270 365	616 058	236 822	113 110	266 126	4	7	21	4
		1998.. 687 073	234 731	159 314	293 028	667 799	238 731	160 816	268 252	3	3	5	5
		1997.. 660 167	228 957	161 454	269 756	648 591	213 217	152 004	283 370	X	X	X	X
332997	Industrial pattern mfg	1999.. 49 202	1 237	38 505	9 459	49 979	1 253	38 998	9 728	14	A	10	21
		1998.. 67 477	13 681	42 702	11 095	50 498	5 661	34 079	10 758	25	A	16	11
		1997.. 50 712	6 215	34 154	10 343	50 612	7 392	32 972	10 248	X	X	X	X
332998	Enameled iron & metal sanitary ware mfg	1999.. 215 516	61 689	65 011	88 816	210 547	61 008	57 156	92 382	2	3	2	3
		1998.. 246 702	90 917	71 547	84 238	241 203	89 611	70 784	80 808	1	1	1	1
		1997.. 246 147	91 083	72 389	82 675	229 942	86 310	60 618	83 014	X	X	X	X
332999	All other miscellaneous fabricated metal product mfg	1999.. 1 445 250	496 426	367 510	581 315	1 401 468	477 115	377 482	546 871	2	3	7	2
		1998.. 1 462 466	500 124	367 034	595 309	1 339 769	458 822	353 188	527 759	3	4	6	2
		1997.. 1 323 298	456 135	330 708	536 455	1 286 395	438 871	318 263	529 261	X	X	X	X
333	Machinery mfg	1999.. 46 030 129	15 517 250	15 126 278	15 386 601	46 068 583	15 305 229	15 642 542	15 120 812	1	1	1	1
		1998.. 45 550 863	14 875 350	15 217 032	15 458 481	43 945 989	13 890 647	15 508 798	14 546 544	1	1	1	1
		1997.. 44 490 878	14 131 366	15 492 272	14 867 240	43 073 890	13 537 137	15 547 728	13 989 025	X	X	X	X
3331	Agriculture, construction, & mining machinery mfg	1999.. 9 577 536	4 558 162	2 206 577	2 812 797	9 901 327	4 555 397	2 517 426	2 828 504	1	2	3	3
		1998.. 9 721 847	4 445 617	2 325 436	2 950 795	9 106 928	4 015 305	2 166 983	2 924 640	1	1	1	2
		1997.. 9 219 850	4 024 394	2 132 568	3 062 888	8 605 853	3 573 585	2 296 756	2 735 512	X	X	X	X
33311	Agricultural implement mfg	1999.. 3 407 307	1 876 323	618 285	912 699	3 450 527	1 841 005	695 996	913 526	2	3	4	4
		1998.. 3 556 279	1 795 437	745 457	1 015 386	3 444 703	1 727 714	719 706	997 283	1	2	1	1
		1997.. 3 434 388	1 717 230	723 902	993 256	3 151 016	1 555 865	713 975	881 176	X	X	X	X
333111	Farm machinery & equipment mfg	1999.. 2 083 930	949 329	495 286	639 314	2 247 806	1 017 011	565 495	665 301	3	5	5	6
		1998.. 2 346 990	989 219	596 315	761 456	2 285 633	975 135	598 183	712 315	2	3	2	2
		1997.. 2 277 103	964 146	602 038	710 919	2 071 759	885 146	582 521	604 092	X	X	X	X
333112	Lawn & garden tractor & home lawn & garden equipment mfg	1999.. 1 323 377	926 993	122 999	273 385	1 202 721	823 994	130 501	248 226	1	1	1	1
		1998.. 1 209 289	806 218	149 142	253 930	1 159 070	752 579	121 523	284 968	1	2	2	2
		1997.. 1 157 285	753 084	121 864	282 337	1 079 257	670 719	131 454	277 084	X	X	X	X
33312	Construction machinery mfg	1999.. 3 964 263	1 395 557	1 144 176	1 424 530	3 936 332	1 266 155	1 294 738	1 375 439	3	3	5	5
		1998.. 3 745 141	1 276 707	1 098 134	1 370 300	3 447 707	1 067 074	989 717	1 390 917	2	4	1	3
		1997.. 3 536 421	1 037 067	943 955	1 555 399	3 466 499	965 815	1 169 441	1 331 243	X	X	X	X
333120	Construction machinery mfg	1999.. 3 964 263	1 395 557	1 144 176	1 424 530	3 936 332	1 266 155	1 294 738	1 375 439	3	3	5	5
		1998.. 3 745 141	1 276 707	1 098 134	1 370 300	3 447 707	1 067 074	989 717	1 390 917	2	4	1	3
		1997.. 3 536 421	1 037 067	943 955	1 555 399	3 466 499	965 815	1 169 441	1 331 243	X	X	X	X
33313	Mining & oil & gas field machinery mfg	1999.. 2 205 966	1 286 283	444 116	475 568	2 514 468	1 448 238	526 692	539 539	3	5	8	4
		1998.. 2 420 426	1 373 473	481 845	565 109	2 214 518	1 220 518	457 560	536 440	2	2	5	3
		1997.. 2 249 041	1 270 097	464 711	514 233	1 988 338	1 051 905	413 340	523 093	X	X	X	X
333131	Mining machinery & equipment mfg	1999.. 585 003	368 044	99 698	117 261	593 103	360 347	117 560	115 196	5	9	2	8
		1998.. 674 855	355 595	158 773	160 488	640 801	342 803	135 941	162 057	3	3	3	8
		1997.. 603 700	333 802	128 761	141 137	576 850	313 663	120 927	142 260	X	X	X	X
333132	Oil & gas field machinery & equipment mfg	1999.. 1 620 963	918 239	344 417	358 307	1 921 366	1 087 891	409 132	424 343	4	5	10	5
		1998.. 1 745 571	1 017 878	323 072	404 621	1 573 717	877 715	321 619	374 383	2	2	7	2
		1997.. 1 645 341	936 295	335 950	373 096	1 411 488	738 242	292 413	380 833	X	X	X	X
3332	Industrial machinery mfg	1999.. 7 360 665	2 042 464	2 565 293	2 752 909	7 227 408	1 856 386	2 448 725	2 922 297	1	3	2	2
		1998.. 6 897 040	1 651 741	2 343 348	2 901 950	7 153 149	1 712 752	2 631 347	2 809 050	2	3	3	2
		1997.. 7 203 355	1 767 048	2 614 034	2 822 273	6 646 241	1 638 088	2 464 408	2 543 745	X	X	X	X
33321	Sawmill & woodworking machinery mfg	1999.. 196 876	62 746	70 747	63 384	194 779	64 608	65 141	65 031	5	8	6	8
		1998.. 211 113	80 880	69 654	60 579	191 806	72 771	67 824	51 211	11	24	11	5
		1997.. 185 042	66 731	66 790	51 521	180 589	68 126	68 067	44 396	X	X	X	X
333210	Sawmill & woodworking machinery mfg	1999.. 196 876	62 746	70 747	63 384	194 779	64 608	65 141	65 031	5	8	6	8
		1998.. 211 113	80 880	69 654	60 579	191 806	72 771	67 824	51 211	11	24	11	5
		1997.. 185 042	66 731	66 790	51 521	180 589	68 126	68 067	44 396	X	X	X	X
33322	Plastics & rubber industry machinery mfg	1999.. 646 551	218 219	219 539	208 793	619 193	219 396	216 501	183 296	2	2	4	5
		1998.. 614 909	207 237	217 712	189 959	672 993	221 111	243 502	208 380	7	2	14	6
		1997.. 665 562	224 121	245 944	195 497	622 511	203 421	234 508	184 582	X	X	X	X
333220	Plastics & rubber industry machinery mfg	1999.. 646 551	218 219	219 539	208 793	619 193	219 396	216 501	183 296	2	2	4	5
		1998.. 614 909	207 237	217 712	189 959	672 993	221 111	243 502	208 380	7	2	14	6
		1997.. 665 562	224 121	245 944	195 497	622 511	203 421	234 508	184 582	X	X	X	X
33329	Other industrial machinery mfg	1999.. 6 517 238	1 761 500	2 275 007	2 480 732	6 413 435	1 572 382	2 167 083	2 673 970	2	4	2	2
		1998.. 6 071 018	1 363 623	2 055 982	2 651 412	6 288 350	1 418 870	2 320 022	2 549 459	2	3	3	2
		1997.. 6 352 751	1 476 196	2 301 300	2 575 255	5 843 141	1 366 541	2 161 833	2 314 767	X	X	X	X
333291	Paper industry machinery mfg	1999.. 583 535	161 014	252 732	169 788	644 779	161 998	292 511	190 270	3	4	3	8
		1998.. 669 883	156 981	307 862	205 039	637 695	149 043	304 438	184 214	3	1	3	8
		1997.. 636 338	145 610	303 959	186 769	585 265	132 586	264 154	188 525	X	X	X	X
333292	Textile machinery mfg	1999.. 386 828	123 170	93 819	169 839	390 194	125 412	93 994	170 788	5	19	12	7
		1998.. 371 072	106 845	95 372	168 855	375 527	112 704	98 997	163 826	2	3	3	3
		1997.. 372 056	111 925	95 795	164 336	361 479	112 380	92 546	156 553	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
333	Machinery mfg—Con.												
3332	Industrial machinery mfg—Con.												
33329	Other industrial machinery mfg—Con.												
333293	Printing machinery & equipment mfg	1999.. 811 362	162 980	273 857	374 525	890 526	187 756	288 693	414 077	1	7	2	3
		1998.. 801 046	165 736	269 033	366 277	746 936	160 776	292 365	293 794	8	16	9	9
		1997.. 866 136	204 272	314 151	347 713	820 595	200 621	305 561	314 413	X	X	X	X
333294	Food product machinery mfg	1999.. 540 960	199 740	125 201	216 018	535 054	192 259	124 914	217 881	5	4	9	9
		1998.. 539 546	190 249	128 424	220 873	543 227	183 810	135 539	223 877	2	2	5	5
		1997.. 547 299	185 915	134 485	226 899	542 297	176 914	129 232	236 151	X	X	X	X
333295	Semiconductor machinery mfg	1999.. 2 386 744	447 165	962 507	977 072	2 130 046	323 530	766 084	1 040 432	2	4	3	2
		1998.. 2 150 910	319 129	763 396	1 068 385	2 343 087	342 851	941 109	1 059 127	3	4	4	3
		1997.. 2 248 527	334 487	890 451	1 023 589	1 843 296	283 388	735 400	824 508	X	X	X	X
333298	All other industrial machinery mfg	1999.. 1 807 809	667 430	566 891	573 489	1 822 837	581 426	600 887	640 524	4	9	3	5
		1998.. 1 538 562	424 684	491 895	621 983	1 641 879	469 685	547 573	624 620	5	7	12	4
		1997.. 1 682 395	493 987	562 459	625 949	1 690 209	460 652	634 940	594 617	X	X	X	X
3333	Commercial & service industry machinery mfg	1999.. 3 978 068	1 172 195	1 033 294	1 772 579	4 223 600	1 211 165	1 263 255	1 749 179	4	3	11	3
		1998.. 4 099 646	1 246 665	1 031 176	1 821 805	3 533 229	1 088 923	941 149	1 503 157	3	4	5	5
		1997.. 3 967 193	1 160 448	1 158 362	1 648 383	3 819 549	1 142 361	1 241 097	1 436 091	X	X	X	X
33331	Commercial & service industry machinery mfg	1999.. 3 978 068	1 172 195	1 033 294	1 772 579	4 223 600	1 211 165	1 263 255	1 749 179	4	3	11	3
		1998.. 4 099 646	1 246 665	1 031 176	1 821 805	3 533 229	1 088 923	941 149	1 503 157	3	4	5	5
		1997.. 3 967 193	1 160 448	1 158 362	1 648 383	3 819 549	1 142 361	1 241 097	1 436 091	X	X	X	X
333311	Automatic vending machine mfg	1999.. 192 561	73 552	21 676	97 334	183 108	64 850	26 000	92 259	9	6	7	20
		1998.. 180 813	79 042	26 287	75 485	163 939	70 933	22 694	70 311	4	3	4	6
		1997.. 168 095	71 842	23 437	72 816	171 679	68 332	32 237	71 110	X	X	X	X
333312	Commercial laundry, drycleaning, & pressing machine mfg	1999.. 118 224	46 647	18 096	53 482	128 937	51 734	22 781	54 421	6	7	7	8
		1998.. 117 587	34 472	24 069	59 046	115 755	32 739	27 423	55 593	1	1	1	1
		1997.. 116 102	32 755	27 593	55 754	118 682	25 403	34 752	58 527	X	X	X	X
333313	Office machinery mfg	1999.. 604 906	209 958	179 584	215 364	830 681	184 949	430 810	214 921	23	6	64	14
		1998.. 693 641	222 967	206 475	264 991	632 187	212 526	199 820	219 841	1	1	1	1
		1997.. 787 074	276 055	233 728	277 291	714 876	254 266	269 273	191 337	X	X	X	X
333314	Optical instrument & lens mfg	1999.. 555 691	142 665	195 628	217 398	533 564	135 854	184 474	213 235	5	7	12	9
		1998.. 674 414	180 314	189 275	304 824	502 182	131 301	206 335	164 547	19	22	24	27
		1997.. 538 883	130 471	229 632	178 780	477 914	115 560	219 637	142 717	X	X	X	X
333315	Photographic & photocopying equipment mfg	1999.. 852 017	249 238	202 803	399 976	923 084	252 808	235 285	434 991	3	2	2	4
		1998.. 910 306	260 497	226 442	423 367	829 893	236 798	206 765	386 330	1	1	2	1
		1997.. 813 468	232 243	196 668	384 557	808 490	266 392	199 937	342 161	X	X	X	X
333319	Other commercial & service industry machinery mfg	1999.. 1 654 669	450 136	415 508	789 025	1 624 226	520 969	363 905	739 351	2	6	2	3
		1998.. 1 522 885	469 373	358 629	694 883	1 289 273	404 626	278 112	606 535	2	4	5	3
		1997.. 1 543 571	417 082	447 304	679 185	1 527 908	412 408	485 261	630 239	X	X	X	X
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 4 026 071	1 684 779	818 656	1 522 636	3 766 075	1 544 740	789 313	1 432 022	1	1	3	2
		1998.. 3 647 916	1 334 638	789 137	1 524 142	3 551 106	1 325 749	792 115	1 433 241	2	3	2	2
		1997.. 3 624 879	1 331 121	803 225	1 490 533	3 691 196	1 475 747	822 176	1 393 273	X	X	X	X
33341	Ventilation, heating, AC, & commercial refrigeration equip mfg	1999.. 4 026 071	1 684 779	818 656	1 522 636	3 766 075	1 544 740	789 313	1 432 022	1	1	3	2
		1998.. 3 647 916	1 334 638	789 137	1 524 142	3 551 106	1 325 749	792 115	1 433 241	2	3	2	2
		1997.. 3 624 879	1 331 121	803 225	1 490 533	3 691 196	1 475 747	822 176	1 393 273	X	X	X	X
333411	Air purification equipment mfg	1999.. 226 038	56 456	57 809	111 773	217 304	60 725	47 672	108 906	5	5	16	4
		1998.. 264 102	75 127	62 214	126 761	241 205	63 567	61 891	115 747	7	12	8	7
		1997.. 254 712	64 931	66 601	123 180	255 787	66 110	76 602	113 075	X	X	X	X
333412	Industrial & commercial fan & blower mfg	1999.. 215 633	38 181	61 402	116 050	214 223	37 669	65 342	111 212	3	12	3	4
		1998.. 214 934	26 823	64 457	123 653	205 406	36 256	66 700	102 449	3	40	19	15
		1997.. 219 085	43 978	51 815	123 292	209 769	38 938	58 544	112 287	X	X	X	X
333414	Heating equipment (except warm air furnaces) mfg	1999.. 623 077	229 771	128 952	264 353	592 580	210 654	127 016	254 909	4	6	10	5
		1998.. 531 059	169 896	106 969	254 195	569 330	206 053	105 423	257 854	11	24	7	5
		1997.. 571 687	205 599	108 583	257 505	530 964	201 928	101 387	227 649	X	X	X	X
333415	AC & warm air heating & commercial/industrial refrig equip mfg	1999.. 2 961 324	1 360 372	570 493	1 030 460	2 741 969	1 235 692	549 283	956 994	1	1	3	3
		1998.. 2 637 821	1 062 792	555 496	1 019 533	2 535 165	1 019 873	558 102	957 191	1	1	1	2
		1997.. 2 579 395	1 016 613	576 226	986 556	2 694 676	1 168 771	585 643	940 262	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—										
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D							
		A	B	C	D	E	F	G	H	A	B	C	D							
333	Machinery mfg—Con.																			
3335	Metalworking machinery mfg	1999.. 5 541 642	1 457 121	2 938 749	1 145 772	5 677 505	1 552 055	2 991 857	1 133 593	1	2	2	2							
		1998.. 5 642 240	1 584 455	2 947 400	1 110 385	5 676 006	1 358 334	3 287 600	1 030 072	1	2	2	2							
		1997.. 5 486 531	1 398 474	3 046 561	1 041 496	5 372 873	1 222 262	3 004 439	1 146 172	X	X	X	X							
33351	Metalworking machinery mfg	1999.. 5 541 642	1 457 121	2 938 749	1 145 772	5 677 505	1 552 055	2 991 857	1 133 593	1	2	2	2							
		1998.. 5 642 240	1 584 455	2 947 400	1 110 385	5 676 006	1 358 334	3 287 600	1 030 072	1	2	2	2							
		1997.. 5 486 531	1 398 474	3 046 561	1 041 496	5 372 873	1 222 262	3 004 439	1 146 172	X	X	X	X							
333511	Industrial mold mfg	1999.. 625 703	112 678	411 590	101 435	567 329	115 679	360 980	90 670	6	7	6	9							
		1998.. 585 585	118 106	364 701	102 778	569 529	77 222	387 102	105 206	3	9	3	7							
		1997.. 565 536	79 102	390 752	95 682	567 127	79 965	379 873	107 289	X	X	X	X							
333512	Machine tool (metal cutting types) mfg	1999.. 1 418 802	356 484	758 917	303 402	1 486 651	448 677	729 560	308 414	2	4	3	4							
		1998.. 1 427 166	503 333	676 660	247 173	1 468 456	449 039	761 831	257 586	3	4	5	7							
		1997.. 1 514 147	461 344	781 193	271 610	1 445 460	346 597	747 373	351 490	X	X	X	X							
333513	Machine tool (metal forming types) mfg	1999.. 555 944	110 743	316 469	128 732	569 963	112 739	330 275	126 949	3	5	3	3							
		1998.. 644 454	143 129	368 210	133 115	525 183	107 541	318 866	98 776	3	5	3	4							
		1997.. 542 639	125 332	313 357	103 950	537 614	116 970	325 535	95 109	X	X	X	X							
333514	Special die & tool, die set, jig, & fixture mfg	1999.. 1 123 269	286 282	657 096	179 891	1 125 826	287 435	659 329	179 061	4	7	6	5							
		1998.. 1 102 859	216 750	686 517	199 592	1 100 451	184 493	725 773	190 186	2	4	2	6							
		1997.. 1 113 851	192 354	732 638	188 859	1 071 541	184 032	658 841	228 668	X	X	X	X							
333515	Cutting tool & machine tool accessory mfg	1999.. 953 636	451 817	271 637	230 183	950 216	447 519	280 916	221 980	3	3	4	4							
		1998.. 997 799	475 913	302 276	219 611	906 722	401 856	293 949	210 916	2	3	3	2							
		1997.. 908 871	403 910	293 521	211 440	883 659	376 725	280 060	226 874	X	X	X	X							
333516	Rolling mill machinery & equipment mfg	1999.. 126 953	8 387	54 682	63 884	140 157	10 292	63 478	66 387	4	18	12	2							
		1998.. 164 408	12 965	87 504	63 940	177 420	17 403	122 286	37 731	4	11	8	3							
		1997.. 178 736	17 657	121 716	39 363	167 611	17 418	134 993	15 200	X	X	X	X							
333518	Other metalworking machinery mfg	1999.. 737 335	130 731	468 358	138 246	837 364	129 713	567 320	140 331	3	10	4	6							
		1998.. 719 969	114 260	461 533	144 176	928 246	120 780	677 794	129 672	4	6	6	5							
		1997.. 662 751	118 775	413 384	130 592	699 861	100 555	477 764	121 542	X	X	X	X							
3336	Engine, turbine, & power transmission equipment mfg	1999.. 4 983 181	1 093 821	2 224 389	1 664 972	4 539 866	1 050 154	2 060 247	1 429 465	1	3	1	1							
		1998.. 4 814 023	1 177 176	2 367 355	1 269 492	4 515 391	1 173 967	2 237 580	1 103 844	1	1	1	3							
		1997.. 4 447 245	1 147 022	2 221 179	1 079 044	4 767 014	1 365 026	2 251 185	1 150 803	X	X	X	X							
33361	Engine, turbine, & power transmission equipment mfg	1999.. 4 983 181	1 093 821	2 224 389	1 664 972	4 539 866	1 050 154	2 060 247	1 429 465	1	3	1	1							
		1998.. 4 814 023	1 177 176	2 367 355	1 269 492	4 515 391	1 173 967	2 237 580	1 103 844	1	1	1	3							
		1997.. 4 447 245	1 147 022	2 221 179	1 079 044	4 767 014	1 365 026	2 251 185	1 150 803	X	X	X	X							
333611	Turbine & turbine generator set unit mfg	1999.. 1 686 798	57 189	1 085 192	544 417	1 428 302	78 102	999 006	351 195	1	24	2	1							
		1998.. 1 642 113	140 638	1 235 243	266 232	1 634 542	175 937	1 147 719	310 885	1	2	1	1							
		1997.. 1 631 307	176 115	1 145 348	309 844	1 837 866	309 317	1 158 599	369 950	X	X	X	X							
333612	Speed changer, industrial high-speed drive, & gear mfg	1999.. 490 246	195 207	138 985	156 053	543 156	206 389	168 156	168 612	4	5	7	5							
		1998.. 536 916	222 140	171 782	142 994	495 940	205 956	163 178	126 806	2	2	5	6							
		1997.. 468 133	207 689	148 272	112 172	456 702	198 309	151 124	107 269	X	X	X	X							
333613	Mechanical power transmission equipment mfg	1999.. 750 381	332 315	239 072	178 994	762 649	317 287	242 479	202 883	3	4	7	8							
		1998.. 750 322	351 171	235 270	163 881	729 616	341 415	230 174	158 027	2	1	2	8							
		1997.. 733 969	329 820	237 097	167 052	698 643	315 401	228 552	154 690	X	X	X	X							
333618	Other engine equipment mfg	1999.. 2 055 756	509 110	761 140	785 506	1 805 759	448 377	650 607	706 775	1	4	1	2							
		1998.. 1 884 672	463 227	725 059	696 386	1 655 294	450 660	696 509	508 125	2	2	1	4							
		1997.. 1 613 836	433 398	690 462	489 976	1 773 803	541 999	712 910	518 894	X	X	X	X							
3339	Other general-purpose machinery mfg	1999.. 10 562 965	3 508 707	3 339 321	3 714 937	10 732 801	3 535 332	3 571 718	3 625 752	1	1	2	2							
		1998.. 10 728 151	3 435 059	3 413 181	3 879 911	10 410 179	3 215 617	3 452 022	3 742 540	1	3	2	2							
		1997.. 10 541 825	3 302 859	3 516 343	3 722 623	10 171 164	3 120 068	3 467 667	3 583 429	X	X	X	X							
33391	Pump & compressor mfg	1999.. 2 626 128	1 043 807	710 186	872 135	2 737 258	1 095 211	803 956	838 091	2	2	3	3							
		1998.. 2 744 517	1 017 638	834 900	891 979	2 787 867	1 039 758	833 081	915 028	3	8	3	7							
		1997.. 2 738 881	1 034 401	833 246	871 234	2 636 148	1 020 471	769 796	845 881	X	X	X	X							
333911	Pump & pumping equipment mfg	1999.. 1 368 761	569 370	324 422	474 969	1 412 095	583 808	370 364	457 923	2	4	7	5							
		1998.. 1 467 694	590 974	408 166	468 554	1 473 589	545 656	375 291	552 641	3	3	3	11							
		1997.. 1 426 641	535 968	373 753	516 920	1 383 859	535 971	359 382	488 506	X	X	X	X							
333912	Air & gas compressor mfg	1999.. 1 063 762	416 378	336 673	310 711	1 157 120	459 865	390 388	306 867	2	2	2	4							
		1998.. 1 120 252	381 132	386 390	352 729	1 146 067	440 810	412 251	293 005	5	20	4	11							
		1997.. 1 145 082	445 012	413 384	286 686	1 084 183	429 921	360 474	293 788	X	X	X	X							
333913	Measuring & dispensing pump mfg	1999.. 193 605	58 059	49 091	86 455	168 043	51 538	43 204	73 301	1	3	2	3							
		1998.. 156 572	45 532	40 344	70 696	168 212	53 291	45 539	69 382	1	8	1	2							
		1997.. 167 158	53																	

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—																											
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D																								
		A	B	C	D	E	F	G	H	A	B	C	D																								
333	Machinery mfg—Con.																																				
3339	Other general-purpose machinery mfg—Con.																																				
33392	Material handling equipment mfg	1999.. 2 435 011	686 794	705 150	1 043 068	2 451 423	707 730	738 861	1 004 831	3	3	4	4	1998.. 2 379 395	653 071	611 966	1 114 357	2 230 570	559 438	646 783	1 024 349	3	5	10	2	1997.. 2 249 939	581 868	645 344	1 022 727	2 175 828	493 632	647 254	1 034 942	X	X	X	X
333921	Elevator & moving stairway mfg	1999.. 214 078	44 146	84 612	85 320	206 785	36 223	92 909	77 653	7	15	4	7	1998.. 199 979	35 053	86 329	78 597	201 022	36 115	86 799	78 108	3	13	7	8	1997.. 201 583	35 914	85 073	80 596	185 465	36 812	77 920	70 733	X	X	X	X
333922	Conveyor & conveying equipment mfg	1999.. 804 257	213 799	268 279	322 178	808 163	235 633	276 844	295 686	8	6	9	11	1998.. 666 227	204 792	153 888	307 547	642 396	152 401	220 754	269 241	10	13	37	3	1997.. 695 525	162 837	232 468	300 220	660 905	152 555	233 567	274 783	X	X	X	X
333923	Overhead traveling crane, hoist, & monorail system mfg	1999.. 691 489	244 413	196 185	250 891	650 114	208 834	202 947	238 334	5	4	8	8	1998.. 622 774	170 575	203 858	248 341	536 056	148 348	170 231	217 477	4	10	10	2	1997.. 559 839	167 268	158 998	233 573	525 581	124 839	174 642	226 100	X	X	X	X
333924	Industrial truck, tractor, trailer, & stacker machinery mfg	1999.. 725 188	184 436	156 075	384 678	786 361	227 040	166 162	393 158	4	4	4	6	1998.. 890 414	242 650	167 892	479 872	851 096	222 574	168 999	459 522	3	3	3	4	1997.. 792 992	215 849	168 805	408 338	803 877	179 426	161 125	463 326	X	X	X	X
33399	All other general-purpose machinery mfg	1999.. 5 501 825	1 778 106	1 923 985	1 799 734	5 544 121	1 732 390	2 028 900	1 782 830	1	2	3	2	1998.. 5 604 239	1 764 350	1 966 315	1 873 575	5 391 742	1 616 421	1 972 158	1 803 163	1	2	1	1	1997.. 5 553 005	1 686 590	2 037 753	1 828 662	5 359 188	1 605 965	2 050 617	1 702 606	X	X	X	X
333991	Power-driven handtool mfg	1999.. 493 785	273 002	101 258	119 526	463 385	263 685	96 798	102 901	2	4	2	5	1998.. 484 360	285 157	101 431	97 773	424 978	238 274	100 536	86 167	1	1	1	1	1997.. 425 780	237 823	99 267	88 690	414 395	202 271	100 314	111 810	X	X	X	X
333992	Welding & soldering equipment mfg	1999.. 706 834	259 872	261 908	185 054	761 299	259 512	314 499	187 289	7	2	18	3	1998.. 688 157	264 678	217 230	206 248	719 203	265 769	249 538	203 897	2	1	8	1	1997.. 810 035	283 840	301 482	224 713	759 359	244 048	305 886	209 425	X	X	X	X
333993	Packaging machinery mfg ..	1999.. 1 000 138	320 163	323 661	356 314	994 201	309 137	310 606	374 458	2	6	6	3	1998.. 1 022 399	295 389	346 602	380 409	1 044 521	301 493	367 389	375 639	3	4	4	3	1997.. 1 060 658	295 265	373 297	392 096	1 097 834	313 966	432 551	351 317	X	X	X	X
333994	Industrial process furnace & oven mfg	1999.. 416 084	48 812	182 660	184 611	464 026	52 818	223 663	187 545	7	10	11	8	1998.. 457 533	58 829	191 943	206 761	416 854	50 435	176 060	190 359	5	4	8	5	1997.. 478 085	64 405	196 827	216 853	449 748	422 775	200 458	199 101	X	X	X	X
333995	Fluid power cylinder & actuator mfg	1999.. 700 618	154 329	340 305	205 983	720 775	133 317	379 458	208 000	2	6	1	3	1998.. 780 640	177 294	376 211	227 135	699 407	133 229	334 408	231 770	3	13	1	4	1997.. 686 309	132 922	328 730	224 657	648 504	142 202	307 391	198 911	X	X	X	X
333996	Fluid power pump & motor mfg	1999.. 470 062	167 928	172 511	129 624	495 010	173 466	187 345	134 200	2	3	3	4	1998.. 498 635	171 816	189 102	137 716	484 202	163 027	191 033	130 142	1	1	1	1	1997.. 474 054	162 015	184 602	127 437	454 535	145 427	202 524	106 584	X	X	X	X
333997	Scale & balance (except laboratory) mfg	1999.. 108 745	39 617	26 042	43 087	99 713	36 929	25 848	36 936	6	11	15	8	1998.. 105 945	27 533	36 437	41 974	101 253	30 729	29 000	41 523	5	7	16	5	1997.. 104 879	29 103	31 288	44 488	115 258	32 301	34 886	48 071	X	X	X	X
333999	All other miscellaneous general-purpose machinery mfg	1999.. 1 605 559	514 384	515 642	575 534	1 545 711	503 526	490 684	551 502	3	5	6	3	1998.. 1 566 570	483 653	507 359	575 558	1 501 325	433 464	524 194	543 667	2	2	2	3	1997.. 1 513 205	481 217	522 260	509 728	1 419 555	475 561	466 607	477 387	X	X	X	X
334	Computer & electronic product mfg	1999.. 52 710 994	12 827 278	18 908 223	20 975 493	50 642 447	12 337 659	19 657 541	18 647 247	1	1	1	1	1998.. 52 341 015	12 960 411	20 385 542	18 995 061	53 302 955	12 113 576	21 214 996	19 974 383	1	1	1	1	1997.. 53 045 620	12 346 594	20 837 795	19 861 231	50 060 531	11 385 088	20 675 702	17 999 741	X	X	X	X
3341	Computer & peripheral equipment mfg	1999.. 7 881 895	2 022 893	2 283 804	3 575 199	8 124 514	2 255 979	2 470 064	3 398 472	1	1	1	2	1998.. 8 966 336	2 475 725	2 874 284	3 616 327	10 197 891	2 625 388	3 288 565	4 283 939	3	6	1	3	1997.. 10 289 536	2 826 421	3 298 968	4 164 147	9 775 066	2 676 998	3 334 106	3 763 962	X	X	X	X
33411	Computer & peripheral equipment mfg	1999.. 7 881 895	2 022 893	2 283 804	3 575 199	8 124 514	2 255 979	2 470 064	3 398 472	1	1	1	2	1998.. 8 966 336	2 475 725	2 874 284	3 616 327	10 197 891	2 625 388	3 288 565	4 283 939	3	6	1	3	1997.. 10 289 536	2 826 421	3 298 968	4 164 147	9 775 066	2 676 998	3 334 106	3 763 962	X	X	X	X
334111	Electronic computer mfg ..	1999.. 3 247 641	530 954	920 053	1 796 634	3 806 241	908 366	997 161	1 900 714	1	1	1	1	1998.. 4 297 194	1 003 928	1 304 883	1 988 383	5 400 087	1 293 320	1 569 992	2 536 775	1	1	1	1	1997.. 5 429 431	1 444 237	1 605 954	2 379 240	5 464 035	1 597 498	1 622 823	2 243 714	X	X	X	X
334112	Computer storage device mfg	1999.. 1 529 546	522 311	653 655	353 580	1 420 151	344 163	738 124	337 865	1	1	1	2	1998.. 1 513 312	361 373	776 859	375 080	1 679 987	396 614	757 504	525 870	1	1	1	1	1997.. 1 726 798	414 858	756 895	555 045	1 571 237	335 927	767 935	467 375	X	X	X	X
334113	Computer terminal mfg	1999.. 121 251	36 211	34 401	50 639	142 210	40 597	41 609	60 003	12	9	12	15	1998.. 175 235	57 129	36 678	81 428	171 904	56 086	34 250	81 568	2	2	2	3	1997.. 199 589	62 393	44 244	92 952	206 383	69 582	50 266	86 535	X	X	X	X
334119	Other computer peripheral equipment mfg	1999.. 2 983 458	933 417	675 694	1 374 346	2 755 913	962 853	693 169	1 099 891	2	3	3	4	1998.. 2 980 596	1 053 296	755 865	1 171 435	2 945 914	879 368	926 819	1 139 727	8	14	3	8	1997.. 2 933 718	904 933	891 875	1 136 910	2 533 411	673 991	893 082	966 338	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
334	Computer & electronic product mfg—Con.												
3342	Communications equipment mfg	1999.. 12 665 841	3 530 658	3 587 496	5 547 687	11 776 497	2 992 672	4 410 672	4 373 153	3	3	3	3
		1998.. 11 651 676	3 200 576	4 255 975	4 195 126	11 400 699	2 811 307	3 796 555	4 792 838	1	1	1	1
		1997.. 11 751 968	3 164 337	3 800 397	4 787 234	10 188 790	2 678 925	3 330 306	4 179 559	X	X	X	X
33421	Telephone apparatus mfg	1999.. 5 954 147	1 781 168	1 613 309	2 559 670	5 065 940	1 525 132	1 639 456	1 901 351	5	4	6	7
		1998.. 4 957 284	1 679 019	1 551 942	1 726 322	4 287 530	1 320 034	1 220 400	1 747 097	1	1	1	1
		1997.. 4 450 224	1 361 356	1 256 781	1 832 087	4 112 997	1 103 794	1 277 424	1 731 779	X	X	X	X
334210	Telephone apparatus mfg ..	1999.. 5 954 147	1 781 168	1 613 309	2 559 670	5 065 940	1 525 132	1 639 456	1 901 351	5	4	6	7
		1998.. 4 957 284	1 679 019	1 551 942	1 726 322	4 287 530	1 320 034	1 220 400	1 747 097	1	1	1	1
		1997.. 4 450 224	1 361 356	1 256 781	1 832 087	4 112 997	1 103 794	1 277 424	1 731 779	X	X	X	X
33422	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 6 039 546	1 531 822	1 857 152	2 650 571	6 092 740	1 273 035	2 660 614	2 159 091	2	3	3	2
		1998.. 6 084 480	1 340 876	2 603 714	2 139 890	6 481 537	1 307 011	2 463 151	2 711 376	1	1	1	1
		1997.. 6 631 252	1 609 095	2 419 861	2 602 296	5 462 266	1 359 884	1 946 295	2 156 087	X	X	X	X
334220	Radio & TV broadcasting & wireless communications equipment mfg	1999.. 6 039 546	1 531 822	1 857 152	2 650 571	6 092 740	1 273 035	2 660 614	2 159 091	2	3	3	2
		1998.. 6 084 480	1 340 876	2 603 714	2 139 890	6 481 537	1 307 011	2 463 151	2 711 376	1	1	1	1
		1997.. 6 631 252	1 609 095	2 419 861	2 602 296	5 462 266	1 359 884	1 946 295	2 156 087	X	X	X	X
33429	Other communications equipment mfg	1999.. 672 149	217 668	117 035	337 446	617 817	194 505	110 602	312 710	2	4	4	3
		1998.. 609 912	180 680	100 319	328 913	631 632	184 263	113 004	334 365	2	3	4	2
		1997.. 670 492	193 886	123 755	352 851	613 527	215 247	106 587	291 693	X	X	X	X
334290	Other communications equipment mfg	1999.. 672 149	217 668	117 035	337 446	617 817	194 505	110 602	312 710	2	4	4	3
		1998.. 609 912	180 680	100 319	328 913	631 632	184 263	113 004	334 365	2	3	4	2
		1997.. 670 492	193 886	123 755	352 851	613 527	215 247	106 587	291 693	X	X	X	X
3343	Audio & video equipment mfg ...	1999.. 976 476	335 244	139 555	501 677	839 234	284 492	107 313	447 429	7	17	5	5
		1998.. 845 652	262 065	133 977	449 609	806 088	247 274	153 220	405 594	3	6	10	4
		1997.. 807 991	253 928	157 658	396 405	915 036	272 612	167 266	475 158	X	X	X	X
33431	Audio & video equipment mfg	1999.. 976 476	335 244	139 555	501 677	839 234	284 492	107 313	447 429	7	17	5	5
		1998.. 845 652	262 065	133 977	449 609	806 088	247 274	153 220	405 594	3	6	10	4
		1997.. 807 991	253 928	157 658	396 405	915 036	272 612	167 266	475 158	X	X	X	X
334310	Audio & video equipment mfg	1999.. 976 476	335 244	139 555	501 677	839 234	284 492	107 313	447 429	7	17	5	5
		1998.. 845 652	262 065	133 977	449 609	806 088	247 274	153 220	405 594	3	6	10	4
		1997.. 807 991	253 928	157 658	396 405	915 036	272 612	167 266	475 158	X	X	X	X
3344	Semiconductor & other electronic component mfg	1999.. 15 141 907	3 286 477	6 322 002	5 533 429	13 741 386	3 159 412	5 825 926	4 756 048	2	4	2	3
		1998.. 14 005 407	3 279 563	5 923 413	4 802 431	14 433 813	2 976 965	6 532 154	4 924 693	1	1	1	1
		1997.. 13 974 081	2 782 513	6 225 176	4 966 392	13 093 702	2 558 014	5 995 652	4 540 036	X	X	X	X
33441	Semiconductor & other electronic component mfg ...	1999.. 15 141 907	3 286 477	6 322 002	5 533 429	13 741 386	3 159 412	5 825 926	4 756 048	2	4	2	3
		1998.. 14 005 407	3 279 563	5 923 413	4 802 431	14 433 813	2 976 965	6 532 154	4 924 693	1	1	1	1
		1997.. 13 974 081	2 782 513	6 225 176	4 966 392	13 093 702	2 558 014	5 995 652	4 540 036	X	X	X	X
334411	Electron tube mfg	1999.. 547 172	216 367	165 355	165 450	515 427	170 994	174 433	170 000	1	1	1	1
		1998.. 517 767	194 329	148 490	174 948	536 389	181 682	171 131	183 576	1	1	1	1
		1997.. 547 074	178 965	181 597	186 512	483 165	159 978	148 550	174 637	X	X	X	X
334412	Bare printed circuit board mfg	1999.. 978 705	208 484	362 535	407 686	885 115	174 027	340 673	370 415	6	5	7	6
		1998.. 798 052	163 992	313 999	320 061	726 566	109 529	313 018	304 019	2	1	2	4
		1997.. 703 527	117 732	292 425	293 370	619 393	87 659	280 457	251 277	X	X	X	X
334413	Semiconductor & related device mfg	1999.. 6 549 447	1 449 992	3 779 953	1 319 502	6 144 378	1 496 380	3 465 570	1 182 427	2	8	2	8
		1998.. 6 190 223	1 525 910	3 548 479	1 115 834	6 289 680	1 520 564	3 518 321	1 250 796	1	2	1	2
		1997.. 5 748 975	1 321 919	3 270 305	1 156 751	4 923 118	1 085 446	2 795 953	1 041 719	X	X	X	X
334414	Electronic capacitor mfg ...	1999.. 373 100	111 645	90 442	171 013	376 760	125 116	93 767	157 877	3	4	6	2
		1998.. 398 795	131 375	99 652	167 769	389 997	126 123	103 378	160 497	1	2	3	1
		1997.. 435 506	149 527	109 717	176 262	372 133	113 304	104 128	154 701	X	X	X	X
334415	Electronic resistor mfg	1999.. 182 100	70 606	59 232	52 262	176 474	67 150	58 336	50 987	2	2	2	5
		1998.. 177 330	67 078	52 491	57 761	172 876	65 305	54 818	52 753	3	5	1	3
		1997.. 182 292	71 325	54 880	56 087	199 692	84 120	58 237	57 335	X	X	X	X
334416	Electronic coil, transformer, & other inductor mfg	1999.. 180 965	46 358	32 731	101 876	183 634	44 050	34 650	104 934	2	3	6	4
		1998.. 211 052	50 893	45 128	115 030	194 045	48 680	41 753	103 611	2	6	4	2
		1997.. 185 051	46 710	39 168	99 173	185 536	44 925	38 853	101 758	X	X	X	X
334417	Electronic connector mfg ...	1999.. 650 318	161 851	223 475	264 992	645 632	158 652	245 429	241 551	5	9	9	4
		1998.. 716 438	199 373	258 479	258 586	703 451	191 945	264 833	246 673	1	3	3	2
		1997.. 731 479	194 516	291 655	245 308	724 203	204 550	277 224	242 429	X	X	X	X
334418	Printed circuit assembly (electronic assembly) mfg	1999.. 4 041 721	689 564	1 131 525	2 220 632	3 177 535	610 697	928 261	1 638 577	3	4	4	4
		1998.. 3 351 859	641 268	969 116	1 741 475	3 750 988	441 663	1 558 506	1 750 819	2	2	3	3
		1997.. 3 730 561	384 860	1 506 296	1 839 405	4 073 845	500 917	1 784 652	1 788 276	X	X	X	X
334419	Other electronic component mfg	1999.. 1 638 379	331 610	476 753	830 016	1 636 432	312 346	484 807	839 279	8	20	7	7
		1998.. 1 643 892	305 345	487 579	850 968	1 669 822	291 475	506 397	871 950	1	3	1	1
		1997.. 1 709 616	316 959	479 133	913 524	1 512 617	277 115	507 598	727 904	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
334	Computer & electronic product mfg—Con.													
3345	Navigational, measuring, medical, & control instruments mfg	1999.. 15 394 375	3 446 421	6 475 885	5 472 070	15 416 036	3 404 135	6 730 010	5 281 891	1	1	1	1	
		1998.. 15 992 526	3 460 458	7 061 301	5 470 766	15 582 948	3 169 858	7 303 845	5 109 244	1	2	1	1	
		1997.. 15 386 427	3 047 952	7 232 371	5 106 104	15 296 512	2 934 069	7 728 053	4 634 390	X	X	X	X	
33451	Navigational, measuring, medical, & control instruments mfg	1999.. 15 394 375	3 446 421	6 475 885	5 472 070	15 416 036	3 404 135	6 730 010	5 281 891	1	1	1	1	
		1998.. 15 992 526	3 460 458	7 061 301	5 470 766	15 582 948	3 169 858	7 303 845	5 109 244	1	2	1	1	
		1997.. 15 386 427	3 047 952	7 232 371	5 106 104	15 296 512	2 934 069	7 728 053	4 634 390	X	X	X	X	
334510	Electromedical & electrotherapeutic apparatus mfg	1999.. 2 017 262	779 832	399 023	838 407	2 001 788	755 794	450 985	795 009	2	2	2	2	
		1998.. 2 191 912	863 248	482 353	846 311	2 044 330	797 958	427 890	818 482	4	9	7	2	
		1997.. 2 064 106	796 751	430 835	836 520	1 982 316	768 527	426 039	787 750	X	X	X	X	
334511	Search, detection, navigation, & guidance instrument mfg	1999.. 5 728 750	475 520	4 014 744	1 238 487	5 957 507	457 573	4 208 842	1 291 092	1	3	1	2	
		1998.. 6 207 257	427 813	4 476 061	1 303 384	6 159 442	370 545	4 653 461	1 135 436	1	2	1	1	
		1997.. 6 159 390	381 215	4 662 554	1 115 621	6 487 198	337 641	5 160 971	988 586	X	X	X	X	
334512	Automatic environmental control mfg	1999.. 420 003	124 615	164 500	130 888	442 166	143 724	175 116	123 525	4	7	4	3	
		1998.. 433 452	128 384	168 644	136 424	411 127	111 253	162 290	137 584	5	3	5	8	
		1997.. 390 108	104 403	154 692	131 013	373 922	133 207	137 468	103 247	X	X	X	X	
334513	Industrial process control instrument mfg	1999.. 1 289 211	366 733	326 372	596 106	1 308 192	386 010	327 495	594 687	2	6	2	2	
		1998.. 1 258 009	357 501	313 854	586 653	1 242 092	278 140	353 256	610 696	2	3	3	2	
		1997.. 1 258 976	271 422	336 347	651 207	1 240 356	292 828	334 380	613 148	X	X	X	X	
334514	Totalizing fluid meter & counting device mfg	1999.. 302 433	47 219	97 759	157 455	294 840	54 530	105 521	134 790	6	17	9	7	
		1998.. 310 219	64 029	123 408	122 782	321 915	66 509	115 746	139 660	1	1	2	1	
		1997.. 317 549	67 258	108 631	141 660	312 684	63 557	119 905	129 222	X	X	X	X	
334515	Electricity measuring & testing instrument mfg	1999.. 2 475 950	693 335	731 047	1 051 567	2 277 637	615 308	705 585	956 744	2	2	2	2	
		1998.. 2 390 582	646 918	723 806	1 019 858	2 424 761	641 891	807 080	975 790	1	1	2	2	
		1997.. 2 297 057	571 540	768 750	956 767	2 098 482	469 558	763 204	865 720	X	X	X	X	
334516	Analytical laboratory instrument mfg	1999.. 1 132 066	334 275	211 131	586 661	1 074 119	349 010	212 090	513 019	3	3	7	3	
		1998.. 1 079 131	349 505	201 138	528 487	1 071 510	353 311	212 933	505 266	1	1	2	1	
		1997.. 1 064 297	350 331	211 365	502 601	1 056 030	374 074	223 677	458 279	X	X	X	X	
334517	Irradiation apparatus mfg	1999.. 709 660	206 796	203 319	299 545	768 210	260 412	192 466	315 332	4	4	9	2	
		1998.. 801 610	255 516	206 591	339 503	722 455	220 530	213 782	288 144	1	2	2	2	
		1997.. 660 457	181 860	206 282	272 315	634 720	199 523	198 912	236 285	X	X	X	X	
334518	Watch, clock, & part mfg	1999.. 194 542	111 411	56 760	26 371	170 327	88 803	45 990	35 533	5	14	9	32	
		1998.. 196 221	93 197	62 750	40 274	90 771	93 272	60 323	37 176	2	2	4	1	
		1997.. 181 429	83 805	59 522	38 102	170 870	84 264	49 432	37 174	X	X	X	X	
334519	Other measuring & controlling device mfg	1999.. 1 124 498	306 685	271 230	546 583	1 121 251	292 971	305 919	522 361	3	5	3	4	
		1998.. 1 124 133	274 347	302 697	547 089	994 544	236 450	297 085	461 010	2	4	3	2	
		1997.. 993 058	239 367	293 393	460 298	939 934	210 890	314 065	414 979	X	X	X	X	
3346	Mfg & reproducing magnetic & optical media	1999.. 650 499	205 585	99 482	345 432	744 779	240 969	113 556	390 254	7	11	7	6	
		1998.. 879 417	282 024	136 591	460 802	881 516	282 784	140 656	458 075	2	4	1	1	
		1997.. 835 617	271 443	123 225	440 949	791 425	264 470	120 319	406 636	X	X	X	X	
33461	Mfg & reproducing magnetic & optical media	1999.. 650 499	205 585	99 482	345 432	744 779	240 969	113 556	390 254	7	11	7	6	
		1998.. 879 417	282 024	136 591	460 802	881 516	282 784	140 656	458 075	2	4	1	1	
		1997.. 835 617	271 443	123 225	440 949	791 425	264 470	120 319	406 636	X	X	X	X	
334611	Software reproducing	1999.. 89 865	40 996	9 110	39 599	85 656	32 086	8 086	45 487	44	56	7	42	
		1998.. 179 931	69 764	30 173	79 994	164 799	58 098	29 802	76 899	7	16	3	3	
		1997.. 58 946	19 290	7 671	31 985	62 872	20 032	8 017	34 823	X	X	X	X	
334612	Prerecorded CD (except software), tape, & record reproducing	1999.. 192 579	56 413	26 823	109 343	194 392	65 258	25 638	103 495	5	5	23	3	
		1998.. 204 714	71 056	24 689	108 969	206 376	81 216	20 637	104 523	1	3	2	1	
		1997.. 201 216	76 359	20 088	104 769	223 779	87 202	28 267	108 310	X	X	X	X	
334613	Magnetic & optical recording media mfg	1999.. 368 056	108 177	63 549	196 329	464 732	143 629	79 832	241 271	5	4	6	6	
		1998.. 494 772	141 203	81 729	271 839	510 341	143 471	90 217	276 653	1	1	1	1	
		1997.. 575 455	175 794	95 466	304 195	504 774	157 236	84 035	263 503	X	X	X	X	
335	Electrical equipment, appliance, & component mfg	1999.. 13 657 268	5 021 420	3 371 254	5 264 593	13 652 492	5 104 197	3 448 728	5 099 568	1	1	1	1	
		1998.. 13 712 651	5 096 507	3 317 761	5 298 383	13 486 823	4 839 158	3 432 587	5 215 078	1	1	2	2	
		1997.. 13 529 479	4 835 398	3 474 394	5 219 687	13 029 124	4 778 099	3 445 055	4 805 970	X	X	X	X	
3351	Electric lighting equipment mfg	1999.. 1 518 296	494 273	206 200	817 824	1 551 115	574 328	199 998	776 789	4	9	5	4	
		1998.. 1 499 376	546 442	197 935	754 998	1 486 028	574 389	194 366	717 273	2	2	5	3	
		1997.. 1 523 516	585 665	199 208	738 643	1 449 911	575 211	188 273	686 427	X	X	X	X	
33511	Electric lamp bulb & part mfg	1999.. 145 138	12 830	30 580	101 728	174 897	72 938	23 802	78 158	35	329	23	23	
		1998.. 225 563	100 029	28 504	97 030	250 366	124 181	25 492	100 693	1	1	1	1	
		1997.. 248 761	123 904	25 498	99 359	250 386	129 723	20 224	100 439	X	X	X	X	
335110	Electric lamp bulb & part mfg	1999.. 145 138	12 830	30 580	101 728	174 897	72 938	23 802	78 158	35	329	23	23	
		1998.. 225 563	100 029	28 504	97 030	250 366	124 181	25 492	100 693	1	1	1	1	
		1997.. 248 761	123 904	25 498	99 359	250 386	129 723	20 224	100 439	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
335	Electrical equipment, appliance, & component mfg—Con.													
3351	Electric lighting equipment mfg—Con.													
33512	Lighting fixture mfg	1 373 158	481 442	175 619	716 097	1 376 217	501 390	176 196	698 631	2	4	5	3	
	1998..	1 273 812	446 413	169 431	657 968	1 235 662	450 208	168 874	616 579	2	2	6	3	
	1997..	1 274 755	461 761	173 710	639 284	1 199 525	445 488	168 049	585 988	X	X	X	X	
335121	Residential electric lighting fixture mfg	1999..	358 506	151 661	37 413	169 432	369 380	159 123	168 967	4	5	12	6	
	1998..	387 683	144 185	43 287	200 211	393 437	160 532	44 649	188 256	3	3	2	3	
	1997..	389 066	159 261	43 172	186 633	368 299	162 331	41 183	164 785	X	X	X	X	
335122	Commercial/industrial/institutional electric lighting fixture mfg	1999..	533 989	159 185	77 555	297 250	516 026	156 271	283 593	5	11	6	7	
	1998..	495 752	169 453	75 824	250 476	478 162	166 776	70 756	240 630	2	1	2	4	
	1997..	491 088	172 402	71 880	246 806	461 127	160 357	70 673	230 097	X	X	X	X	
335129	Other lighting equipment mfg	1999..	480 663	170 597	60 652	249 415	490 811	185 996	246 071	2	3	9	2	
	1998..	390 377	132 775	50 320	207 282	364 062	122 900	53 469	187 693	6	5	19	7	
	1997..	394 601	130 098	58 658	205 845	370 099	122 800	56 193	191 106	X	X	X	X	
3352	Household appliance mfg	1999..	2 175 047	1 339 412	249 640	585 995	2 197 152	1 350 962	586 410	2	3	4	2	
	1998..	2 243 288	1 315 706	273 670	653 913	2 098 225	1 192 806	256 725	648 695	3	2	1	5	
	1997..	2 131 992	1 202 972	266 947	662 073	2 082 917	1 200 421	289 291	593 205	X	X	X	X	
33521	Small electrical appliance mfg	1999..	668 544	387 416	91 050	190 078	698 730	395 044	99 882	6	11	3	5	
	1998..	744 844	389 781	126 653	228 410	705 368	382 530	112 515	210 323	3	2	2	6	
	1997..	705 805	381 304	114 766	209 735	687 374	392 738	115 455	179 181	X	X	X	X	
335211	Electric housewares & household fan mfg	1999..	392 525	213 554	36 064	142 908	463 580	251 250	53 405	9	19	8	7	
	1998..	447 816	213 311	66 819	167 687	444 884	228 343	61 640	154 901	5	3	4	8	
	1997..	460 506	234 970	63 697	161 839	437 568	235 526	69 175	132 867	X	X	X	X	
335212	Household vacuum cleaner mfg	1999..	276 019	173 862	54 986	47 170	235 150	143 794	44 878	2	1	1	6	
	1998..	297 028	176 470	59 835	60 723	260 484	154 187	50 875	55 422	1	1	1	1	
	1997..	245 299	146 334	51 069	47 896	249 806	157 212	46 280	46 314	X	X	X	X	
33522	Major appliance mfg	1999..	1 506 503	951 996	158 590	395 917	1 498 422	955 918	159 897	382 607	1	2	5	3
	1998..	1 498 444	925 925	147 016	425 503	1 392 857	810 275	144 210	438 372	4	2	1	7	
	1997..	1 426 187	821 668	152 181	452 338	1 395 543	807 683	173 836	414 024	X	X	X	X	
335221	Household cooking appliance mfg	1999..	419 067	233 582	68 734	116 751	450 269	259 422	69 460	2	2	12	6	
	1998..	476 368	254 876	57 229	164 262	378 587	180 190	51 404	146 993	11	9	2	18	
	1997..	407 396	188 320	56 469	162 607	415 310	196 346	69 834	149 130	X	X	X	X	
335222	Household refrigerator & home freezer mfg	1999..	467 739	317 425	26 252	124 062	435 171	299 276	26 266	1	1	1	1	
	1998..	429 629	296 847	22 617	110 165	412 699	265 044	21 457	126 198	1	1	1	1	
	1997..	419 351	269 047	24 047	126 257	396 889	261 505	33 883	101 501	X	X	X	X	
335224	Household laundry equipment mfg	1999..	363 166	265 855	32 343	64 969	358 573	262 885	31 204	64 484	1	1	1	1
	1998..	362 007	263 871	31 857	66 279	369 454	259 469	33 962	76 023	1	1	1	1	
	1997..	368 146	259 321	34 279	74 546	341 830	236 562	30 744	74 524	X	X	X	X	
335228	Other major household appliance mfg	1999..	256 531	135 134	31 261	90 136	254 409	134 335	87 107	8	12	2	9	
	1998..	230 440	110 330	35 314	84 796	232 117	105 572	37 387	89 158	1	1	1	1	
	1997..	231 294	104 980	37 386	88 928	241 514	113 270	39 375	88 869	X	X	X	X	
3353	Electrical equipment mfg	1999..	4 363 322	1 247 679	1 302 575	1 813 068	4 365 259	1 269 273	1 370 873	1 725 113	1	1	2	1
	1998..	4 168 060	1 260 058	1 239 653	1 668 349	4 264 201	1 151 229	1 334 701	1 778 271	2	2	4	5	
	1997..	4 293 742	1 170 423	1 353 384	1 769 935	4 224 757	1 157 927	1 368 909	1 697 921	X	X	X	X	
33531	Electrical equipment mfg	1999..	4 363 322	1 247 679	1 302 575	1 813 068	4 365 259	1 269 273	1 370 873	1 725 113	1	1	2	1
	1998..	4 168 060	1 260 058	1 239 653	1 668 349	4 264 201	1 151 229	1 334 701	1 778 271	2	2	4	5	
	1997..	4 293 742	1 170 423	1 353 384	1 769 935	4 224 757	1 157 927	1 368 909	1 697 921	X	X	X	X	
335311	Power, distribution, & specialty transformer mfg	1999..	532 021	168 885	146 846	216 289	519 796	165 361	138 887	215 547	3	4	12	7
	1998..	509 585	181 671	128 194	199 720	531 651	138 560	156 095	236 996	6	12	6	14	
	1997..	527 690	136 394	165 160	226 136	510 448	124 144	166 066	220 238	X	X	X	X	
335312	Motor & generator mfg	1999..	1 453 423	522 752	372 309	558 362	1 383 177	519 659	371 918	491 600	1	2	2	2
	1998..	1 280 605	487 578	392 311	400 715	1 321 648	425 806	402 821	493 021	5	3	9	20	
	1997..	1 376 838	450 859	422 444	503 535	1 397 817	478 239	418 763	500 815	X	X	X	X	
335313	Switchgear & switchboard apparatus mfg	1999..	832 250	205 455	266 627	360 168	818 834	204 286	262 018	352 529	2	1	3	3
	1998..	870 808	214 367	265 371	391 070	806 378	194 380	251 044	360 594	3	1	2	4	
	1997..	798 837	194 100	247 003	357 734	774 108	180 217	260 257	333 634	X	X	X	X	
335314	Relay & industrial control mfg	1999..	1 545 628	350 587	516 793	678 248	1 643 452	379 967	598 050	665 436	1	2	2	2
	1998..	1 507 062	376 441	453 777	676 844	1 604 524	392 483	524 741	687 300	3	3	8	2	
	1997..	1 590 377	389 070	518 777	682 530	1 542 384	375 327	523 823	643 234	X	X	X	X	
3359	Other electrical equipment & component mfg	1999..	5 600 602	1 940 057	1 612 839	2 047 706	5 538 967	1 909 634	1 618 077	2 011 256	1	1	2	1
	1998..	5 801 927	1 974 301	1 606 504	2 221 123	5 638 368	1 920 735	1 646 794	2 070 839	1	1	1	2	
	1997..	5 580 229	1 876 338	1 654 855	2 049 036	5 271 539	1 844 540	1 598 582	1 828 417	X	X	X	X	
33591	Battery mfg	1999..	695 880	207 614	253 933	234 333	655 298	224 583	225 925	204 790	1	3	2	2
	1998..	673 937	227 060	228 652	218 225	669 757	216 537	257 171	196 048	1	1	1	2	
	1997..	673 194	218 345	259 744	195 105	675 343	232 758	243 524	199 061	X	X	X	X	
335911	Storage battery mfg	1999..	502 256	188 967	156 451	156 839	477 643	190 585	144 980	142 078	1	3	3	1
	1998..	486 404	193 026	145 294	148 084	503 610	188 179	176 368	139 062	1	1	1	2	
	1997..	507 155	190 090	178 887	138 178	521 039	207 110	181 968	131 961	X	X	X	X	
335912	Primary battery mfg	1999..	193 624	18 648	97 482	77 494	177 655	33 998	80 945	62 712	2	15	4	5
	1998..	187 533	34 034	83 358	70 141	166 147	28 358	80 803	56 986	3	5	1	4	
	1997..	166 039	28 255	80 857	56 927	154 304	25 648	61 556	67 100	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
335	Electrical equipment, appliance, & component mfg—Con.												
3359	Other electrical equipment & component mfg—Con.												
33592	Communication & energy wire & cable mfg	1999.. 1 829 621	831 977	480 161	517 483	1 794 759	786 911	501 432	506 416	1	2	1	2
		1998.. 1 846 471	817 557	510 605	518 310	1 835 325	821 548	482 769	531 008	1	1	2	3
		1997.. 1 849 583	812 188	492 705	544 690	1 734 115	782 493	475 163	476 459	X	X	X	X
335921	Fiber optic cable mfg	1999.. 329 415	109 573	109 419	110 423	333 107	96 086	132 921	104 100	5	5	4	6
		1998.. 358 791	112 361	139 673	106 758	352 421	113 743	125 779	112 899	2	2	3	4
		1997.. 344 653	111 043	111 132	122 478	286 625	76 042	91 580	119 003	X	X	X	X
335929	Other communication & energy wire mfg	1999.. 1 500 206	722 404	370 742	407 059	1 461 652	690 825	368 511	402 316	1	2	1	2
		1998.. 1 487 680	705 196	370 932	411 552	1 482 904	707 805	369 870	405 229	1	2	3	3
		1997.. 1 504 930	701 145	381 573	422 212	1 447 490	706 451	383 583	357 456	X	X	X	X
33593	Wiring device mfg	1999.. 1 338 744	500 509	294 851	543 384	1 329 280	494 273	280 598	554 409	2	4	3	2
		1998.. 1 412 162	515 072	266 722	630 369	1 408 037	519 162	295 600	593 274	1	3	4	3
		1997.. 1 326 844	487 699	289 001	550 144	1 298 058	489 691	293 920	514 447	X	X	X	X
335931	Current-carrying wiring device mfg	1999.. 722 136	225 398	172 988	323 750	730 126	222 597	179 382	328 147	4	6	4	3
		1998.. 791 454	230 480	186 302	374 672	784 487	235 023	197 329	352 134	2	5	2	4
		1997.. 726 650	215 442	192 396	318 812	704 636	212 218	193 362	299 056	X	X	X	X
335932	Noncurrent-carrying wiring device mfg	1999.. 616 608	275 111	121 863	219 634	599 154	271 676	101 216	226 262	3	6	3	2
		1998.. 620 708	284 592	80 419	255 697	623 550	284 139	98 271	241 140	1	2	12	4
		1997.. 600 194	272 257	96 605	231 332	593 422	277 473	100 558	215 391	X	X	X	X
33599	All other electrical equipment & component mfg	1999.. 1 736 358	399 956	583 895	752 506	1 759 631	403 867	610 122	745 641	2	2	5	3
		1998.. 1 869 357	414 613	600 525	854 219	1 725 250	363 487	611 254	750 509	1	2	2	3
		1997.. 1 730 608	358 106	613 405	759 097	1 564 023	339 598	585 975	638 450	X	X	X	X
335991	Carbon & graphite product mfg	1999.. 455 679	117 143	198 762	139 774	515 136	149 089	223 605	142 442	2	4	2	4
		1998.. 526 219	147 816	230 819	147 585	487 847	120 253	225 837	141 757	2	1	1	4
		1997.. 503 701	120 957	236 978	145 766	449 281	113 143	221 575	114 563	X	X	X	X
335999	All other miscellaneous electrical equipment & component mfg	1999.. 1 280 679	282 814	385 133	612 732	1 244 495	254 778	386 518	603 200	3	2	7	4
		1998.. 1 343 138	266 797	369 706	706 635	1 237 403	243 234	385 417	608 755	2	2	3	4
		1997.. 1 226 907	237 149	376 427	613 331	1 114 742	226 455	364 400	523 882	X	X	X	X
336	Transportation equipment mfg	1999.. 75 956 648	10 611 500	46 592 472	18 752 676	76 914 473	10 332 858	47 843 422	18 738 193	1	2	1	1
		1998.. 75 962 396	9 577 712	48 513 022	17 871 662	66 182 318	9 098 585	40 578 457	16 505 276	1	1	1	1
		1997.. 66 411 837	9 417 828	40 382 181	16 611 828	65 287 222	8 337 030	41 299 655	15 650 537	X	X	X	X
3361	Motor vehicle mfg	1999.. 4 570 664	396 027	1 601 301	2 573 336	4 334 388	371 560	1 580 331	2 382 498	1	1	1	1
		1998.. 4 349 305	378 694	1 588 119	2 382 493	4 298 570	491 538	1 624 955	2 513 077	1	1	1	1
		1997.. 4 606 220	480 031	1 581 413	2 544 776	4 278 740	357 820	1 473 615	2 447 305	X	X	X	X
33611	Automobile & light duty motor vehicle mfg	1999.. 3 596 442	250 378	1 298 490	2 047 574	3 455 743	255 086	1 290 804	1 909 853	1	1	1	1
		1998.. 3 469 508	260 417	1 291 468	1 917 623	3 814 122	344 021	1 365 164	2 104 937	1	1	1	1
		1997.. 3 804 485	337 125	1 363 860	2 103 500	3 599 166	246 988	1 274 550	2 077 628	X	X	X	X
336111	Automobile mfg	1999.. 1 991 383	162 129	467 529	1 361 725	1 902 589	177 718	451 898	1 272 973	1	1	1	1
		1998.. 1 910 828	180 578	452 524	1 277 725	2 202 946	210 208	555 774	1 436 964	1	1	1	1
		1997.. 2 193 552	203 442	554 694	1 435 516	2 185 429	133 444	509 334	1 542 651	X	X	X	X
336112	Light truck & utility vehicle mfg	1999.. 1 605 058	88 249	830 961	685 849	1 553 154	77 368	838 906	636 880	1	1	1	1
		1998.. 1 558 681	79 839	838 944	639 898	1 611 176	133 813	809 390	667 973	1	1	1	1
		1997.. 1 610 933	133 683	809 166	668 084	1 413 737	113 544	765 216	534 977	X	X	X	X
33612	Heavy duty truck mfg	1999.. 974 222	145 649	302 811	525 762	878 645	116 473	289 527	472 645	1	1	1	1
		1998.. 879 797	118 277	296 650	464 869	815 448	147 517	259 791	408 140	1	2	1	1
		1997.. 801 735	142 906	217 553	441 276	679 574	110 832	199 065	369 677	X	X	X	X
336120	Heavy duty truck mfg	1999.. 974 222	145 649	302 811	525 762	878 645	116 473	289 527	472 645	1	1	1	1
		1998.. 879 797	118 277	296 650	464 869	815 448	147 517	259 791	408 140	1	2	1	1
		1997.. 801 735	142 906	217 553	441 276	679 574	110 832	199 065	369 677	X	X	X	X
3362	Motor vehicle body & trailer mfg	1999.. 3 287 957	734 416	808 420	1 745 122	2 875 713	642 033	723 579	1 510 102	2	3	3	2
		1998.. 2 755 378	622 286	611 540	1 521 553	2 901 297	666 406	664 420	1 570 472	7	8	20	3
		1997.. 2 925 889	681 320	660 463	1 584 106	2 678 254	636 209	684 082	1 357 963	X	X	X	X
33621	Motor vehicle body & trailer mfg	1999.. 3 287 957	734 416	808 420	1 745 122	2 875 713	642 033	723 579	1 510 102	2	3	3	2
		1998.. 2 755 378	622 286	611 540	1 521 553	2 901 297	666 406	664 420	1 570 472	7	8	20	3
		1997.. 2 925 889	681 320	660 463	1 584 106	2 678 254	636 209	684 082	1 357 963	X	X	X	X
336211	Motor vehicle body mfg	1999.. 1 265 325	222 494	394 532	648 299	1 136 540	198 515	368 076	569 950	2	8	4	2
		1998.. 947 096	156 013	230 389	560 694	1 027 675	198 612	341 460	487 603	21	29	53	6
		1997.. 1 036 720	210 920	338 869	486 931	1 078 686	192 997	361 477	524 212	X	X	X	X
336212	Truck trailer mfg	1999.. 860 004	170 773	205 546	483 686	769 839	141 666	182 993	445 180	4	7	5	5
		1998.. 818 522	172 633	210 802	435 087	956 594	184 366	160 744	611 485	4	15	4	3
		1997.. 977 163	189 965	155 273	631 925	673 844	153 968	140 827	379 049	X	X	X	X
336213	Motor home mfg	1999.. 550 819	107 149	125 595	318 075	397 112	71 465	97 766	227 881	8	5	13	8
		1998.. 426 625	80 186	91 082	255 357	400 025	88 487	83 704	227 833	1	2	1	1
		1997.. 403 978	89 010	90 768	224 200	443 846	103 477	102 807	237 562	X	X	X	X
336214	Travel trailer & camper mfg	1999.. 611 809	234 000	82 747	295 062	572 222	230 386	74 744	267 092	3	5	8	4
		1998.. 563 135	213 454	79 266	270 414	517 004	194 941	78 512	243 551	3	4	7	4
		1997.. 508 028	191 425	75 553	241 050	481 878	185 767	78 971	217 140	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
336	Transportation equipment mfg—Con.												
3363	Motor vehicle parts mfg	1999.. 13 941 012	3 615 413	3 785 372	6 540 226	13 315 539	3 489 941	3 908 255	5 917 342	2	4	3	2
		1998.. 13 372 860	3 447 561	4 431 747	5 493 553	12 613 277	3 104 954	4 332 508	5 175 816	1	1	1	1
		1997.. 12 765 166	3 159 333	4 400 834	5 204 999	13 088 328	3 113 003	4 655 908	5 319 417	X	X	X	X
33631	Motor vehicle gasoline engine & engine parts mfg ..	1999.. 2 080 591	415 548	731 131	933 912	1 938 843	410 568	711 961	816 315	1	2	1	1
		1998.. 2 033 561	459 712	939 728	634 121	1 941 961	455 835	900 823	585 303	1	2	1	1
		1997.. 1 929 067	431 968	895 279	601 820	2 054 897	392 692	994 931	667 274	X	X	X	X
336311	Carburetor, piston, piston ring, & valve mfg	1999.. 217 525	72 734	75 799	68 992	223 954	76 350	78 833	68 771	3	6	2	4
		1998.. 231 037	81 110	81 067	68 859	216 360	69 573	74 458	72 329	6	11	4	7
		1997.. 221 560	70 467	76 847	74 246	224 335	73 014	79 104	72 217	X	X	X	X
336312	Gasoline engine & engine parts mfg	1999.. 1 863 065	342 813	655 332	864 920	1 714 889	334 218	633 128	747 543	1	2	1	1
		1998.. 1 802 524	378 601	858 661	565 262	1 725 601	386 262	826 365	512 974	1	1	1	1
		1997.. 1 707 507	361 501	818 432	527 574	1 830 562	319 678	915 827	595 057	X	X	X	X
33632	Motor vehicle electrical & electronic equipment mfg ...	1999.. 2 419 678	648 481	504 552	1 266 644	2 329 396	631 141	698 780	999 476	3	5	3	2
		1998.. 2 339 085	636 961	699 792	1 002 332	2 292 404	581 521	635 595	1 075 288	1	1	1	1
		1997.. 2 321 102	590 183	646 703	1 084 216	2 589 571	663 839	691 474	1 234 258	X	X	X	X
336321	Vehicular lighting equipment mfg	1999.. 264 534	63 908	77 577	123 049	307 035	84 190	91 359	131 485	3	1	4	5
		1998.. 293 470	79 652	91 008	122 810	284 546	62 825	103 552	118 169	1	2	1	1
		1997.. 285 576	63 910	102 631	119 035	302 696	64 917	111 084	126 695	X	X	X	X
336322	Other motor vehicle electrical & electronic equipment mfg	1999.. 2 155 144	584 573	426 975	1 143 596	2 022 362	546 950	607 421	867 991	3	6	3	2
		1998.. 2 045 615	557 309	608 784	879 521	2 007 858	518 696	532 043	957 119	1	1	1	1
		1997.. 2 035 526	526 273	544 072	965 181	2 286 875	598 922	580 390	1 107 563	X	X	X	X
33633	Motor vehicle steering & suspension component (except spring) mfg	1999.. 712 590	179 587	193 340	339 663	688 005	150 617	174 981	362 407	2	3	2	2
		1998.. 720 520	154 076	173 880	392 564	757 842	180 973	189 121	387 748	1	3	4	1
		1997.. 766 035	183 938	194 915	387 182	724 919	144 533	208 071	372 315	X	X	X	X
336330	Motor vehicle steering & suspension component (except spring) mfg	1999.. 712 590	179 587	193 340	339 663	688 005	150 617	174 981	362 407	2	3	2	2
		1998.. 720 520	154 076	173 880	392 564	757 842	180 973	189 121	387 748	1	3	4	1
		1997.. 766 035	183 938	194 915	387 182	724 919	144 533	208 071	372 315	X	X	X	X
33634	Motor vehicle brake system mfg	1999.. 857 617	276 750	130 637	450 230	806 958	318 305	127 259	361 394	9	14	13	9
		1998.. 835 802	302 710	152 406	380 686	831 351	306 555	144 319	380 478	2	5	2	4
		1997.. 824 856	308 963	143 070	372 823	822 967	291 424	142 361	389 182	X	X	X	X
336340	Motor vehicle brake system mfg	1999.. 857 617	276 750	130 637	450 230	806 958	318 305	127 259	361 394	9	14	13	9
		1998.. 835 802	302 710	152 406	380 686	831 351	306 555	144 319	380 478	2	5	2	4
		1997.. 824 856	308 963	143 070	372 823	822 967	291 424	142 361	389 182	X	X	X	X
33635	Motor vehicle transmission & power train parts mfg	1999.. 2 344 209	509 696	888 538	945 976	2 298 403	499 507	901 242	897 654	5	16	2	7
		1998.. 2 200 065	504 076	1 038 866	657 123	1 924 612	422 012	876 411	626 189	1	2	1	1
		1997.. 1 938 166	414 475	900 035	623 656	1 957 203	350 833	985 994	620 376	X	X	X	X
336350	Motor vehicle transmission & power train parts mfg ...	1999.. 2 344 209	509 696	888 538	945 976	2 298 403	499 507	901 242	897 654	5	16	2	7
		1998.. 2 200 065	504 076	1 038 866	657 123	1 924 612	422 012	876 411	626 189	1	2	1	1
		1997.. 1 938 166	414 475	900 035	623 656	1 957 203	350 833	985 994	620 376	X	X	X	X
33636	Motor vehicle seating & interior trim mfg	1999.. 575 156	114 215	102 223	358 719	544 109	102 870	96 870	344 369	1	5	1	1
		1998.. 508 865	87 612	109 798	311 455	482 448	78 746	117 631	286 070	2	3	2	2
		1997.. 507 770	84 078	121 198	302 494	434 412	88 730	101 306	244 376	X	X	X	X
336360	Motor vehicle seating & interior trim mfg	1999.. 575 156	114 215	102 223	358 719	544 109	102 870	96 870	344 369	1	5	1	1
		1998.. 508 865	87 612	109 798	311 455	482 448	78 746	117 631	286 070	2	3	2	2
		1997.. 507 770	84 078	121 198	302 494	434 412	88 730	101 306	244 376	X	X	X	X
33637	Motor vehicle metal stamping	1999.. 1 291 545	305 082	475 455	511 007	1 281 228	310 987	444 706	525 535	7	5	18	4
		1998.. 1 315 170	299 961	529 830	485 379	1 350 214	249 360	549 054	551 800	2	4	2	3
		1997.. 1 309 761	254 045	555 576	500 140	1 396 874	255 045	595 466	546 363	X	X	X	X
336370	Motor vehicle metal stamping	1999.. 1 291 545	305 082	475 455	511 007	1 281 228	310 987	444 706	525 535	7	5	18	4
		1998.. 1 315 170	299 961	529 830	485 379	1 350 214	249 360	549 054	551 800	2	4	2	3
		1997.. 1 309 761	254 045	555 576	500 140	1 396 874	255 045	595 466	546 363	X	X	X	X
33639	Other motor vehicle parts mfg	1999.. 3 659 626	1 166 055	759 497	1 734 074	3 428 598	1 065 947	752 458	1 610 193	4	9	5	5
		1998.. 3 419 792	1 002 454	787 446	1 629 892	3 032 445	829 952	919 553	1 282 940	1	1	1	1
		1997.. 3 168 409	891 683	944 058	1 332 668	3 107 485	925 907	936 305	1 245 273	X	X	X	X
336391	Motor vehicle air-conditioning mfg	1999.. 407 548	127 874	64 115	215 559	419 024	121 685	62 028	235 311	1	1	1	1
		1998.. 426 153	125 207	62 994	237 952	362 045	82 019	67 654	212 372	1	1	3	1
		1997.. 358 701	86 200	69 741	202 760	398 499	121 649	83 688	193 162	X	X	X	X
336399	All other motor vehicle parts mfg	1999.. 3 252 078	1 038 181	695 382	1 518 515	3 009 574	944 262	690 430	1 374 882	4	11	5	6
		1998.. 2 993 639	877 248	724 453	1 391 939	2 670 400	747 933	851 899	1 070 568	1	1	1	2
		1997.. 2 809 708	805 483	874 317	1 129 908	2 708 986	804 258	852 617	1 052 111	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
337	Furniture & related product mfg— Con.													
3371	Household & institutional furniture & kitchen cabinet mfg	1999.. 5 423 893	1 924 267	1 170 796	2 328 829	5 106 110	1 785 726	1 122 363	2 198 021	1	3	4	1	
		1998.. 5 235 367	1 832 574	1 076 999	2 325 795	4 934 043	1 752 980	1 013 747	2 167 316	1	1	1	1	
		1997.. 4 927 066	1 727 833	1 018 662	2 180 571	4 771 166	1 752 297	979 113	2 039 756	X	X	X	X	
33711	Wood kitchen cabinet & counter top mfg	1999.. 827 717	173 774	212 066	441 877	803 354	171 534	209 099	422 722	2	4	4	2	
		1998.. 905 034	221 169	215 032	468 833	855 726	216 970	205 519	433 238	1	3	3	1	
		1997.. 847 580	204 941	205 650	436 989	810 947	203 481	207 362	400 104	X	X	X	X	
337110	Wood kitchen cabinet & counter top mfg	1999.. 827 717	173 774	212 066	441 877	803 354	171 534	209 099	422 722	2	4	4	2	
		1998.. 905 034	221 169	215 032	468 833	855 726	216 970	205 519	433 238	1	3	3	1	
		1997.. 847 580	204 941	205 650	436 989	810 947	203 481	207 362	400 104	X	X	X	X	
33712	Household & institutional furniture mfg	1999.. 4 596 176	1 750 494	958 730	1 886 952	4 302 756	1 614 193	913 264	1 775 299	2	3	4	2	
		1998.. 4 330 333	1 611 404	861 966	1 856 962	4 078 317	1 536 010	808 228	1 734 079	1	1	1	1	
		1997.. 4 079 486	1 522 892	813 012	1 743 582	3 960 219	1 548 816	771 751	1 639 652	X	X	X	X	
337121	Upholstered household furniture mfg	1999.. 901 539	184 456	156 463	560 620	846 480	176 746	149 551	520 183	1	2	1	2	
		1998.. 879 113	184 894	151 250	542 969	827 229	173 351	157 001	496 878	1	2	1	1	
		1997.. 826 855	173 297	156 947	496 611	773 350	161 437	145 117	466 796	X	X	X	X	
337122	Nonupholstered wood household furniture mfg ...	1999.. 2 473 108	1 162 059	551 867	759 182	2 283 181	1 049 234	516 748	717 199	3	3	7	2	
		1998.. 2 260 555	1 060 955	456 419	743 180	2 152 330	1 039 617	415 424	697 289	1	1	1	1	
		1997.. 2 138 784	1 025 510	414 170	699 104	2 125 142	1 041 578	410 511	673 053	X	X	X	X	
337124	Metal household furniture mfg	1999.. 360 048	132 765	71 615	155 669	345 474	132 340	69 305	143 829	4	6	3	6	
		1998.. 389 737	149 291	73 666	166 780	349 471	128 983	63 825	156 664	5	4	10	6	
		1997.. 348 862	129 654	62 770	156 438	361 688	141 594	54 925	165 169	X	X	X	X	
337125	Household furniture (except wood & metal) mfg	1999.. 94 049	37 080	12 640	44 329	86 176	33 754	10 821	41 601	10	9	23	19	
		1998.. 76 281	32 084	6 849	37 348	74 255	35 775	6 867	31 613	4	6	4	8	
		1997.. 77 557	36 296	7 531	33 730	70 624	31 314	8 335	30 975	X	X	X	X	
337127	Institutional furniture mfg ...	1999.. 726 114	224 204	157 191	344 720	702 327	214 618	157 082	330 627	4	17	5	5	
		1998.. 691 235	176 394	163 574	351 267	640 670	150 918	154 943	334 808	3	4	4	4	
		1997.. 653 539	150 871	161 756	340 912	592 587	156 024	144 837	291 726	X	X	X	X	
337129	Wood television, radio, & sewing machine cabinet mfg	1999.. 41 317	9 930	8 955	22 432	39 118	7 501	9 757	21 860	9	3	7	16	
		1998.. 33 412	7 787	10 208	15 417	34 361	7 366	10 168	16 827	5	3	3	11	
		1997.. 33 889	7 264	9 838	16 787	36 828	16 869	8 026	11 933	X	X	X	X	
3372	Office furniture (including fixtures) mfg	1999.. 2 024 361	633 475	482 855	908 031	1 946 632	606 346	468 241	872 045	4	4	5	6	
		1998.. 2 073 011	657 210	478 738	937 064	1 990 422	613 958	471 049	905 416	1	2	2	2	
		1997.. 2 009 409	614 357	475 998	919 054	2 011 889	611 351	489 227	911 311	X	X	X	X	
33721	Office furniture (including fixtures) mfg	1999.. 2 024 361	633 475	482 855	908 031	1 946 632	606 346	468 241	872 045	4	4	5	6	
		1998.. 2 073 011	657 210	478 738	937 064	1 990 422	613 958	471 049	905 416	1	2	2	2	
		1997.. 2 009 409	614 357	475 998	919 054	2 011 889	611 351	489 227	911 311	X	X	X	X	
337211	Wood office furniture mfg ...	1999.. 345 461	72 610	78 308	194 543	337 758	73 369	75 111	189 278	3	5	4	4	
		1998.. 337 279	71 184	80 569	185 525	321 307	71 412	74 080	175 816	2	2	2	4	
		1997.. 343 361	77 399	77 367	188 595	329 868	77 158	78 555	174 155	X	X	X	X	
337212	Custom architectural woodwork & millwork mfg	1999.. 217 741	62 265	67 298	88 179	199 540	55 224	68 272	76 043	15	24	7	19	
		1998.. 209 899	54 854	70 514	84 532	201 589	52 422	67 318	81 849	3	6	4	2	
		1997.. 207 516	54 243	69 213	84 060	204 850	60 405	66 721	77 724	X	X	X	X	
337214	Office furniture (except wood) mfg	1999.. 491 768	114 953	88 538	288 276	490 684	112 979	91 917	285 788	2	5	4	3	
		1998.. 522 577	127 784	84 227	310 567	499 920	109 391	92 727	297 802	2	4	7	1	
		1997.. 495 458	106 816	93 489	295 153	511 197	108 008	108 722	294 467	X	X	X	X	
337215	Showcase, partition, shelving, & locker mfg	1999.. 969 392	383 647	248 711	337 034	918 650	364 774	232 940	320 936	8	5	9	14	
		1998.. 1 003 256	403 388	243 428	356 440	967 606	380 733	236 924	349 949	2	3	4	3	
		1997.. 963 074	375 899	235 929	351 246	965 974	365 780	235 229	364 965	X	X	X	X	
3379	Other furniture related product mfg	1999.. 643 056	187 702	56 488	398 866	594 592	156 205	52 327	386 060	5	6	7	7	
		1998.. 625 194	175 559	52 666	396 969	578 833	163 989	47 953	366 890	2	2	5	4	
		1997.. 589 826	167 092	50 291	372 443	576 692	165 745	54 215	356 732	X	X	X	X	
33791	Mattress mfg	1999.. 234 860	53 167	22 749	158 944	221 167	48 319	21 708	151 141	5	20	6	2	
		1998.. 245 071	57 273	23 164	164 633	235 047	55 564	21 071	158 412	2	4	8	3	
		1997.. 235 030	56 602	20 983	157 445	215 106	53 906	20 421	140 779	X	X	X	X	
337910	Mattress mfg	1999.. 234 860	53 167	22 749	158 944	221 167	48 319	21 708	151 141	5	20	6	2	
		1998.. 245 071	57 273	23 164	164 633	235 047	55 564	21 071	158 412	2	4	8	3	
		1997.. 235 030	56 602	20 983	157 445	215 106	53 906	20 421	140 779	X	X	X	X	
33792	Blind & shade mfg	1999.. 408 196	134 535	33 739	239 922	373 425	107 887	30 619	234 919	7	3	12	11	
		1998.. 380 123	118 286	29 502	232 336	343 786	108 425	26 883	208 479	4	1	7	6	
		1997.. 354 796	110 490	29 308	214 998	361 586	111 839	33 794	215 953	X	X	X	X	
337920	Blind & shade mfg	1999.. 408 196	134 535	33 739	239 922	373 425	107 887	30 619	234 919	7	3	12	11	
		1998.. 380 123	118 286	29 502	232 336	343 786	108 425	26 883	208 479	4	1	7	6	
		1997.. 354 796	110 490	29 308	214 998	361 586	111 839	33 794	215 953	X	X	X	X	

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—				
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D	
		A	B	C	D	E	F	G	H	A	B	C	D	
339	Miscellaneous mfg	1999..	16 468 876	7 632 787	2 891 266	5 944 823	15 951 706	7 319 978	2 791 156	5 840 573	1	1	1	1
		1998..	16 712 496	7 665 367	2 991 773	6 055 356	15 486 790	7 114 179	2 912 532	5 460 079	1	1	2	1
		1997..	15 538 943	7 161 009	2 838 817	5 539 117	15 263 747	7 039 358	2 974 373	5 250 016	X	X	X	X
3391	Medical equipment & supplies mfg	1999..	7 588 291	3 479 960	1 379 754	2 728 577	7 190 828	3 200 688	1 336 503	2 653 638	1	2	4	2
		1998..	7 628 710	3 379 151	1 457 071	2 792 488	7 090 198	3 218 788	1 403 265	2 468 144	2	1	4	2
		1997..	6 881 043	3 148 088	1 289 448	2 443 507	6 738 204	3 093 724	1 468 974	2 175 506	X	X	X	X
33911	Medical equipment & supplies mfg	1999..	7 588 291	3 479 960	1 379 754	2 728 577	7 190 828	3 200 688	1 336 503	2 653 638	1	2	2	2
		1998..	7 628 710	3 379 151	1 457 071	2 792 488	7 090 198	3 218 788	1 403 265	2 468 144	2	1	4	2
		1997..	6 881 043	3 148 088	1 289 448	2 443 507	6 738 204	3 093 724	1 468 974	2 175 506	X	X	X	X
339111	Laboratory apparatus & furniture mfg	1999..	356 668	105 606	78 879	172 183	375 441	113 494	87 165	174 783	3	3	8	5
		1998..	386 758	118 689	89 008	179 061	369 510	107 544	82 120	179 846	3	4	8	3
		1997..	406 996	121 122	85 227	200 647	367 983	121 187	86 921	159 875	X	X	X	X
339112	Surgical & medical instrument mfg	1999..	2 841 170	1 138 303	519 835	1 183 032	2 653 618	1 028 347	500 343	1 124 929	3	5	3	4
		1998..	2 688 547	1 090 094	506 991	1 091 462	2 496 405	1 032 663	492 780	970 961	2	3	4	2
		1997..	2 521 982	1 034 629	506 004	981 349	2 402 534	973 982	566 354	862 198	X	X	X	X
339113	Surgical appliance & supplies mfg	1999..	2 770 293	1 402 227	481 190	886 876	2 611 074	1 266 804	437 003	907 268	2	1	4	3
		1998..	2 834 570	1 296 789	527 823	1 009 959	2 526 136	1 259 545	432 405	834 186	3	1	10	5
		1997..	2 415 789	1 223 333	377 089	815 367	2 472 236	1 268 600	417 312	786 324	X	X	X	X
339114	Dental equipment & supplies mfg	1999..	518 784	229 849	119 460	169 475	502 805	205 277	121 664	175 864	4	7	3	4
		1998..	538 811	226 706	128 407	183 698	552 899	228 150	148 495	176 253	9	9	10	8
		1997..	477 648	196 293	127 224	154 131	436 684	182 604	121 335	122 745	X	X	X	X
339115	Ophthalmic goods mfg	1999..	618 919	411 940	48 638	158 341	592 955	413 515	47 464	131 976	2	2	6	3
		1998..	598 579	423 257	44 250	131 072	540 806	369 127	50 817	120 862	1	1	1	3
		1997..	539 152	367 652	50 151	121 349	535 564	363 350	68 600	103 614	X	X	X	X
339116	Dental laboratories	1999..	S	S	S	S	S	S	S	S	X	X	X	X
		1998..	S	S	S	S	S	S	S	S	X	X	X	X
		1997..	S	S	S	S	S	S	S	S	X	X	X	X
3399	Other miscellaneous mfg	1999..	8 880 585	4 152 827	1 511 512	3 216 246	8 760 878	4 119 290	1 454 653	3 186 935	1	1	2	1
		1998..	9 083 786	4 286 217	1 534 702	3 262 868	8 396 592	3 895 391	1 509 266	2 991 935	1	1	2	1
		1997..	8 657 900	4 012 921	1 549 369	3 095 610	8 525 543	3 945 634	1 505 399	3 074 510	X	X	X	X
33991	Jewelry & silverware mfg	1999..	1 916 110	1 085 881	303 714	526 515	1 850 907	1 035 507	295 660	519 740	2	2	6	3
		1998..	1 813 667	1 021 681	302 921	489 065	1 675 274	915 218	288 067	471 988	2	2	5	2
		1997..	1 724 328	936 610	298 220	489 498	1 724 663	919 058	284 563	521 042	X	X	X	X
339911	Jewelry (except costume) mfg	1999..	1 297 539	692 403	213 362	391 774	1 215 533	640 869	194 846	379 818	3	3	8	4
		1998..	1 174 596	612 051	201 224	361 321	1 125 044	573 295	200 238	351 510	3	3	6	3
		1997..	1 166 947	595 043	205 901	366 003	1 165 096	590 962	200 027	374 107	X	X	X	X
339912	Silverware & plated ware mfg	1999..	274 732	209 966	22 576	42 191	280 336	203 110	31 999	45 227	4	3	7	7
		1998..	276 671	204 059	29 561	43 051	223 976	169 156	35 295	1 318	1	3	18	6
		1997..	224 864	163 293	26 239	35 332	207 772	143 739	27 705	36 328	X	X	X	X
339913	Jewelers' material & lapidary work mfg	1999..	126 578	72 226	32 877	21 475	121 851	67 536	32 063	22 252	2	3	7	3
		1998..	123 431	74 038	28 611	20 782	127 074	71 081	31 578	24 414	5	5	4	6
		1997..	130 081	75 217	28 885	25 979	127 954	73 795	23 971	40 188	X	X	X	X
339914	Costume jewelry & novelty mfg	1999..	217 260	111 286	34 898	71 075	233 187	123 992	36 752	72 443	4	5	6	8
		1998..	238 970	131 533	43 526	63 911	199 180	101 686	36 726	60 768	4	4	8	4
		1997..	202 436	103 057	37 195	62 184	213 841	110 562	32 860	70 419	X	X	X	X
33992	Sporting & athletic goods mfg	1999..	1 633 820	813 857	202 931	617 032	1 710 021	819 706	208 232	682 083	2	3	5	3
		1998..	1 957 895	943 711	264 299	749 885	1 746 365	860 470	258 555	627 340	2	3	4	2
		1997..	1 865 945	915 711	268 577	681 657	1 860 822	933 714	262 835	664 273	X	X	X	X
339920	Sporting & athletic goods mfg	1999..	1 633 820	813 857	202 931	617 032	1 710 021	819 706	208 232	682 083	2	3	5	3
		1998..	1 957 895	943 711	264 299	749 885	1 746 365	860 470	258 555	627 340	2	3	4	2
		1997..	1 865 945	915 711	268 577	681 657	1 860 822	933 714	262 835	664 273	X	X	X	X
33993	Doll, toy, & game mfg	1999..	759 783	419 884	79 254	260 645	711 652	395 367	74 182	242 103	5	7	8	4
		1998..	714 040	383 883	83 067	247 090	674 760	363 456	82 772	228 533	3	2	8	4
		1997..	678 134	368 496	81 244	228 394	674 007	351 193	84 640	238 174	X	X	X	X
339931	Doll & stuffed toy mfg	1999..	85 408	46 982	8 334	30 992	75 939	42 987	8 039	24 914	10	7	8	22
		1998..	65 578	41 136	8 623	15 819	58 080	35 003	5 557	17 520	6	6	17	16
		1997..	62 577	36 724	6 012	19 841	58 151	36 676	7 480	13 995	X	X	X	X
339932	Game, toy, & children's vehicle mfg	1999..	674 376	372 902	70 920	230 554	635 713	352 380	66 144	217 189	5	8	9	4
		1998..	648 462	342 747	74 445	231 270	616 680	328 453	77 214	211 013	3	3	9	4
		1997..	615 557	331 772	75 232	208 553	615 856	314 517	77 160	224 179	X	X	X	X
33994	Office supplies (except paper) mfg	1999..	662 255	314 176	114 592	233 487	686 151	337 285	113 837	235 028	2	2	3	3
		1998..	720 876	347 974	123 578	249 325	675 554	328 771	117 988	228 796	1	1	2	3
		1997..	681 082	325 365	127 074	228 643	662 025	287 807	136 223	237 995	X	X	X	X
339941	Pen & mechanical pencil mfg	1999..	251 252	113 800	62 540	74 911	261 106	124 662	53 747	82 996	3	4	5	2
		1998..	287 526	140 261	55 968	91 297	263 167	148 566	42 585	72 016	3	1	3	8
		1997..	264 891	144 658	49 693	70 540	222 057	103 782	52 682	65 593	X	X	X	X
339942	Lead pencil & art good mfg	1999..	221 915	114 890	27 655	79 370	234 748	129 767	35 423	69 557	3	3	5	6
		1998..	245 997	131 045	39 425	75 526	222 822	103 261	46 173	73 388	1	1	2	2
		1997..	219 845	100 531	47 395	71 919	245 662	106 421	55 640	83 601	X	X	X	X
339943	Marking device mfg	1999..	89 274	44 411	7 995	36 868	87 651	40 145	7 377	40 128	6	7	12	10
		1998..	82 365	35 557	9 395	37 414	80 506	34 672	9 296	36 539	1	2	4	1
		1997..	80 708	34 838	9 685	36 185	77 271	33 689	7 698	35 884	X	X	X	X

See footnotes at end of table.

Table 6. Value of Manufacturers' Inventories by Stage of Fabrication for Industry Groups and Industries: Beginning and End of Year—Con.

[Thousand dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

NAICS code	Industry group and industry	End of year				Beginning of year				Relative standard error of estimate ¹ (percent) for column—			
		Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	Total ¹	Finished products	Work-in-process	Materials, supplies, fuels, etc.	A	B	C	D
		A	B	C	D	E	F	G	H	A	B	C	D
339	Miscellaneous mfg—Con.												
3399	Other miscellaneous mfg—Con.												
33994	Office supplies (except paper) mfg—Con.												
339944	Carbon paper & inked ribbon mfg	1999.. 99 814	41 074	16 402	42 338	102 646	42 710	17 289	42 647	3	4	7	6
		1998.. 104 988	41 111	18 790	45 087	109 059	42 272	19 935	46 852	1	1	1	1
		1997.. 115 638	45 338	20 301	49 999	117 035	43 915	20 203	52 917	X	X	X	X
33995	Sign mfg	1999.. 980 979	228 061	332 306	420 613	885 876	209 258	300 065	376 553	3	3	4	4
		1998.. 822 334	214 437	258 194	349 703	802 650	201 524	271 690	329 435	4	7	6	4
		1997.. 804 933	201 437	269 926	333 570	793 671	200 373	256 540	336 758	X	X	X	X
339950	Sign mfg	1999.. 980 979	228 061	332 306	420 613	885 876	209 258	300 065	376 553	3	3	4	4
		1998.. 822 334	214 437	258 194	349 703	802 650	201 524	271 690	329 435	4	7	6	4
		1997.. 804 933	201 437	269 926	333 570	793 671	200 373	256 540	336 758	X	X	X	X
33999	All other miscellaneous mfg ..	1999.. 2 927 638	1 290 969	478 716	1 157 954	2 916 271	1 322 166	462 676	1 131 428	2	3	2	2
		1998.. 3 054 974	1 374 531	502 642	1 177 800	2 821 989	1 225 952	490 194	1 105 843	1	2	2	1
		1997.. 2 903 478	1 265 302	504 328	1 133 848	2 810 355	1 253 489	480 598	1 076 268	X	X	X	X
339991	Gasket, packing, & sealing device mfg	1999.. 601 120	297 178	108 437	195 505	608 688	311 132	111 054	186 502	6	11	4	4
		1998.. 561 308	281 504	99 515	180 290	580 040	295 109	101 863	183 068	6	8	7	4
		1997.. 589 679	297 466	106 518	185 695	588 439	303 187	105 108	180 144	X	X	X	X
339992	Musical instrument mfg	1999.. 326 496	100 122	92 384	133 990	322 734	103 772	91 974	126 988	4	5	7	6
		1998.. 362 505	124 869	108 217	129 419	332 909	94 860	105 648	132 401	3	13	3	5
		1997.. 332 034	94 698	105 109	132 227	319 066	101 437	102 737	114 892	X	X	X	X
339993	Fastener, button, needle, & pin mfg	1999.. 147 263	60 703	43 408	43 152	143 464	59 134	42 277	42 052	3	4	2	4
		1998.. 147 269	59 254	43 009	45 006	144 519	58 754	42 498	43 267	2	3	3	1
		1997.. 150 258	61 568	44 679	44 011	140 984	53 704	40 160	47 120	X	X	X	X
339994	Broom, brush, & mop mfg ..	1999.. 340 063	165 818	33 148	141 096	359 677	168 514	35 818	155 346	3	2	5	4
		1998.. 363 654	169 592	35 574	158 488	328 381	147 763	33 989	146 629	1	2	3	2
		1997.. 356 842	163 038	36 859	156 945	320 787	147 681	33 234	139 872	X	X	X	X
339995	Burial casket mfg	1999.. 104 634	58 619	18 788	27 227	116 272	66 909	19 407	29 956	4	4	5	6
		1998.. 117 159	67 827	19 043	30 289	113 384	67 925	19 178	26 281	1	1	1	1
		1997.. 114 667	68 930	19 039	26 698	119 982	72 334	19 588	28 060	X	X	X	X
339999	All other miscellaneous mfg	1999.. 1 408 064	608 529	182 551	616 984	1 365 437	612 705	162 146	590 585	2	3	3	3
		1998.. 1 503 077	671 486	197 283	634 308	1 322 756	561 541	187 019	574 196	1	1	2	2
		1997.. 1 359 998	579 602	192 124	588 272	1 321 097	575 146	179 771	566 180	X	X	X	X

¹Description of relative standard error of estimate is given in Appendix B. Percentage standard errors shown are approximate relative standard errors of estimates of level.

Note: Previous years' data may differ from that published in the 1998 Annual Survey of Manufactures because of changes encountered in subsequent review or revisions discovered during 1999 Annual Survey of Manufactures review.

Appendix A.

Explanation of Terms

BEGINNING- AND END-OF-YEAR INVENTORIES

Respondents were asked to report their beginning-of-year and end-of-year inventories at cost or market. Effective with the 1982 Economic Census, this change to a uniform instruction for reporting inventories was introduced for all sector reports. Prior to 1982, respondents were permitted to value inventories using any generally accepted accounting method (FIFO, LIFO, market, to name a few). Beginning in 1982, LIFO users were asked to first report inventory values prior to the LIFO adjustment and then to report the LIFO reserve and the LIFO value after adjustment for the reserve.

Inventory Data by Stage of Fabrication

Total inventories and three detailed components (finished goods, work-in-process, and materials, supplies, fuels, etc.) were collected.

When using inventory data by stage of fabrication, it should be noted that an item treated as a finished product by an establishment in one industry may be reported as a raw material by an establishment in a different industry. For example, the finished-product inventories of a steel mill would be reported as raw materials by a stamping plant. Such differences are present in the inventory figures by stage of fabrication shown for all publication levels.

TOTAL CAPITAL EXPENDITURES (NEW AND USED)

For establishments in operation and any known plants under construction, manufacturers were asked to report their new and used expenditures for (1) permanent additions and major alterations to manufacturing establishments and (2) machinery and equipment used for replacement and additions to plant capacity if they were of the type for which depreciation accounts were ordinarily maintained.

Totals for expenditures include the costs of assets leased from nonmanufacturing concerns through capital leases. New facilities owned by the federal government but operated under contract by private companies and plant and equipment furnished to the manufacturer by communities and nonprofit organizations are excluded. Also excluded are expenditures for land and cost of maintenance and repairs charged as current operating expenses.

For any equipment or structure transferred for the use of the reporting establishment by the parent company or one of its subsidiaries, the value at which it was transferred to the establishment was to be reported.

If an establishment changed ownership during the year, the cost of the fixed assets (building and equipment) was to be reported.

QUANTITY OF ELECTRIC ENERGY CONSUMED FOR HEAT AND POWER

Data on the quantity of purchased electric energy were collected. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other establishments of the same company.

COST OF MATERIALS

This term refers to direct charges actually paid or payable for items consumed or put into production during the year, including freight charges and other direct charges incurred by the establishment in acquiring these materials. It includes the cost of materials or fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.

Included in this item are:

1. **Cost of parts, components, containers, etc.** Includes all raw materials, semifinished goods, parts, containers, scrap, and supplies put into production or used as operating supplies and for repair and maintenance during the year.
2. **Cost of products bought and sold without further processing.**
3. **Cost of fuels consumed for heat and power.** Includes the cost of fuel consumed, whether purchased by the individual establishment from other companies, transferred to it from other establishments of the same company, or withdrawn from inventory during the year.
4. **Cost of purchased electricity.** The cost of purchased electric energy represents the amount actually used during the year for heat and power. In addition, information was collected on the quantity of electric energy generated by the establishment and the quantity of electric energy sold or transferred to other plants of the same company.

5. **Cost of contract work.** This term applies to work done by others on materials furnished by the manufacturing establishment. The actual cost of the material was reported on the cost of materials, parts, and containers line of this item. The term "Contract Work" refers to the fee a company pays to another company to perform a service.

Duplication in Cost of Materials and Value of Shipments

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills to bakeries in the food group and the addition of pulp mills to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the survey.

Duplication of products within individual industries is significant within a number of industry groups; e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs of value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

VALUE OF SHIPMENTS

This item covers the received or receivable net selling values, f.o.b. plant (exclusive of freight and taxes), of all products shipped, both primary and secondary, as well as all miscellaneous receipts, such as receipts for contract work performed for others, installation and repair, sales of scrap, and sales of products bought and sold without further processing. Included are all items made by or for the establishments from materials owned by it, whether sold, transferred to other plants of the same company, or

shipped on consignment. The net selling value of products made in one plant on a contract basis from materials owned by another was reported by the plant providing the materials.

In the case of multiestablishment companies, the manufacturer was requested to report the value of products transferred to other establishments of the same company at full economic or commercial value, including not only the direct cost of production but also a reasonable proportion of "all other costs" (including company overhead) and profit.

Duplication in Cost of Materials and Value of Shipments

The aggregate of the cost of materials and value of shipments figures for industry groups and for all manufacturing industries includes large amounts of duplication since the products of some industries are used as materials by others. This duplication results, in part, from the addition of related industries representing successive stages in the production of a finished manufactured product. Examples are the addition of flour mills industry products to bakeries in the food group and the addition of pulp mills industry products to paper mills in the paper and allied products group of industries. Estimates of the overall extent of this duplication indicate that the value of manufactured products exclusive of such duplication (the value of finished manufactures) tends to approximate two-thirds of the total value of products reported in the annual survey.

Duplication of products within individual industries is significant within a number of industry groups; e.g., machinery and transportation industries. These industries frequently include complete machinery and their parts. In this case, the parts made for original equipment are materials consumed for assembly plants in the same industry.

Even when no significant amount of duplication is involved, value of shipments figures are deficient as measures of the relative economic importance of individual manufacturing industries or geographic areas because of the wide variation in ratio of materials, labor, and other processing costs to value of shipments, both among industries and within the same industry.

Before 1962, cost of materials and value of shipments were not published for some industries which included considerable duplication. Since then, these data have been published for all industries at the U.S. level and beginning in 1964, for all geographic levels.

PAYROLL

This item includes the gross earnings of all employees on the payrolls of operating manufacturing establishments paid in the calendar year. Respondents were told they could follow the definition of payrolls used for calculating

the federal withholding tax. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of armed forces and pensioners carried on the active payrolls of manufacturing establishments.

The census definition of payrolls is identical to that recommended to all federal statistical agencies by the Office of Management and Budget. It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

PRODUCTION-WORKER HOURS

This item covers hours worked or paid for at the manufacturing establishment, including actual overtime hours (not straight-time equivalent hours). It excludes hours paid for vacations, holidays, or sick leave.

VALUE ADDED

This measure of manufacturing activity is derived by subtracting the cost of materials, supplies, containers, fuel, purchased electricity, and contract work from the value of shipments (products manufactured plus receipts for services rendered). The result of this calculation is adjusted by the addition of value added by merchandising operations (i.e., the difference between the sales value and the cost of merchandise sold without further manufacture, processing, or assembly) plus the net change in finished goods and work-in-process between the beginning- and end-of-year inventories.

For those industries where value of production is collected instead of value of shipments, value added is adjusted only for the change in work-in-process inventories between the beginning and end of year. For those industries where value of work done is collected, the value added does not include an adjustment for the change in finished goods or work-in-process inventories.

"Value added" avoids the duplication in the figure for value of shipments that results from the use of products of some establishments as materials by others. Value added is considered to be the best value measure available for comparing the relative economic importance of manufacturing among industries and geographic areas.

EMPLOYEES

This item includes all full-time and part-time employees on the payrolls of operating manufacturing establishments during any part of the pay period which included the 12th

of the months specified on the report form. Included are all persons on paid sick leave, paid holidays, and paid vacations during these pay periods. Officers of corporations are included as employees; proprietors and partners of unincorporated firms are excluded. The "all employees" number is the average number of production workers plus the number of other employees in mid-March. The number of production workers is the average for the payroll periods including the 12th of March, May, August, and November.

Production Workers

This item includes workers (up through the line-supervisor level) engaged in fabricating, processing, assembling, inspecting, receiving, storing, handling, packing, warehousing, shipping (but not delivering), maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (e.g., power plant), recordkeeping, and other services closely associated with these production operations at the establishment covered by the report. Employees above the working-supervisor level are excluded from this item.

All Other Employees

This item covers nonproduction employees of the manufacturing establishment, including those engaged in factory supervision above the line-supervisor level. It includes sales (including driver-salespersons), sales delivery (highway truck drivers and their helpers), advertising, credit, collection, installation and servicing of own products, clerical and routine office functions, executive, purchasing, financing, legal, personnel (including cafeteria, medical, etc.), professional, and technical employees. Also included are employees on the payroll of the manufacturing establishment engaged in the construction of major additions or alterations utilized as a separate work force.

FRINGE BENEFITS

Fringe benefits consists of legally required expenditures and payments for voluntary programs. The legally required portion consists primarily of federal old age and survivors' insurance, unemployment compensation, and workers' compensation. Payments for voluntary programs include all programs not specifically required by legislation whether they were employer initiated or the result of collective bargaining. They include the employer portion of such plans as insurance premiums, premiums for supplemental accident and sickness insurance, pension plans, supplemental unemployment compensation, welfare plans, stock purchase plans on which the employer payment is not subject to withholding tax, and deferred profit-sharing plans. They exclude such items as company-operated cafeterias, in-plant medical services, free parking lots, discounts on employee purchases, and uniforms and work clothing for employees.

TOTAL COMPENSATION

This term refers to the annual payroll or gross earnings paid in each calendar year to employees at the establishment. It includes all forms of compensation, such as salaries, wages, commissions, dismissal pay, bonuses, vacation and sick leave pay, and compensation in kind, prior to such deductions as employees' social security contributions, withholding taxes, group insurance, union dues, and savings bonds. The total includes salaries of officers

of corporations; it excludes payments to proprietors or partners of unincorporated concerns. Also excluded are payments to members of armed forces and pensioners carried on the active payrolls of manufacturing establishments.

It should be noted that this definition does not include employers' social security contributions or other nonpayroll labor costs, such as employees' pension plans, group insurance premiums, and workers' compensation.

Appendix B.

Coverage and Methodology

DESCRIPTION OF THE ASM SURVEY SAMPLE

The ASM sample is selected at 5-year intervals. A new sample is introduced for the second survey year subsequent to each census. Since 1999 was the second survey year following the 1997 census, a new sample was selected based on the 1997 census.

In 1997, both the Census and ASM converted from the SIC system to NAICS for purposes of assigning industrial classifications to establishments. For the most part, the overall scope of the manufacturing sector is similar under both classification systems; however, there are selected activities that are classified as manufacturing under SIC that are considered as nonmanufacturing under NAICS. The reverse is also true.

In 1997, there were approximately 366,000 individual manufacturing establishments. For sample efficiency and cost considerations, the 1997 manufacturing population was partitioned into two components: a mail stratum and a nonmail stratum.

Mail stratum

The mail stratum of the survey is comprised of larger single-location manufacturing companies and all manufacturing establishments of multiunit companies (companies that operate at more than one physical location). Approximately 200,000 of the 366,000 establishments in the 1997 census were assigned to the mail stratum.

On an annual basis, the mail stratum is supplemented with larger, newly active single-location companies identified from a list provided by the Internal Revenue Service (IRS) and new manufacturing locations of multiunit companies identified from the Census Bureau's Company Organization Survey (COS).

For the 1999 survey, a new sample of approximately 52,000 individual establishments was selected from the mail stratum assembled from the 1997 census. Supplemental samples representing both 1998 and 1999 births (newly active establishments that were not included in the 1997 census) were also selected. Establishments selected for the sample will be mailed an ASM survey questionnaire for each year through 2003.

The 1999-2003 ASM sample design is similar to the one used since 1984. Several adjustments were made, however, to the arbitrary certainty portion of the sample. Companies in the 1997 Census of Manufactures with manufacturing shipments of at least \$1 billion were defined as company certainties. (This cutoff was raised for 1999 to

compensate for inflation.) For these large companies, each manufacturing establishment is included in the mail sample. For the 1999-2003 sample, there are approximately 500 certainty companies collectively accounting for over 14,000 establishments.

For the remaining portion of the mail component of the survey, the establishment was defined as the sample unit. All establishments with 500 employees or more were defined as employment certainties. (This was raised from 250 in the 1994 sample.) In addition, all establishments producing electronic computers were defined as certainties. A final certainty category, small industry certainties, was added for the 1999 sample. This category assured that all establishments of small industries (20 establishments or less) were included in the sample. Across these four arbitrary certainty classes, there were approximately 16,600 establishments included in the sample with certainty. Collectively, these certainty establishments accounted for approximately 62 percent of the total value of shipments in the 1997 Census of Manufactures.

Smaller establishments in the remaining portion of the mail stratum were sampled with probabilities ranging from .02 to 1.00. The initial probabilities of selection assigned to these establishments were proportionate to a measure-of-size determined for each establishment. The measure-of-size was a function of the establishment's 1997 industry classification and its 1997 product class data. For each product class and industry, a desired reliability constraint was specified. The product class constraints were based on product class size (1997 shipments) while the industry constraints were a function of both current size (1997 shipments) and change in size since 1992. Using a technique developed by Dr. James R. Chromy of the Research Triangle Institute, the initial establishment probabilities were optimized such that the expected sample satisfied all industry and product class reliability constraints while the sample size was minimized. This technique reduces the likelihood of selecting nonrepresentative samples for individual product classes or industries.

This method of assigning probabilities based on product class shipments is motivated by our primary desire to produce reliable estimates of both product class and industry shipments. The high correlation between shipments and employment, value-added, and other general statistics assures that these variables will also be well represented by the sample. The actual sample selection procedure uses an independent chance of selection method (Poisson sampling).

Nonmail component

The initial nonmail component of the ASM traditionally consists solely of small, single-establishment companies from the census of manufactures. For 1999, the initial nonmail component also included approximately 3,600 single-establishment companies that were rotated from the mail stratum to the nonmail stratum in order to prevent their selection in consecutive sample panels. The combined initial nonmail component of the 1999 sample universe contained approximately 166,000 single-establishment companies from the 1997 Census of Manufactures. The nonmail stratum is also supplemented annually using the list of newly active single-location companies provided by the IRS and payroll cutoffs. Companies with payroll below the payroll cutoff are added to the nonmail stratum.

For this portion of the population, sampling is not used. The data for this group are estimated based on selected information obtained annually from the administrative records of the IRS and Social Security Administration (SSA). This administrative information, which includes payroll, total employment, industry classification, and physical location, is obtained under conditions that safeguard the confidentiality of both tax and census records.

DESCRIPTION OF THE ASM ESTIMATING PROCEDURE

Most of the ASM estimates derived for the mail stratum are computed using a difference estimator. At the establishment level, there is a strong correlation between the current-year data values and the corresponding 1997 (base) data values. Therefore, within the mailed stratum, for each item at each level of aggregation, an estimate of the “difference” between the current year and the base year is computed from sample cases and added to the corresponding base-year values. For the 1999-2002 ASM estimates, the 1997 Census of Manufactures values serve as the base year. For the 2003 ASM, the base will be updated to the 2002 Economic Census - Manufacturing.

Because of the positive year-to-year correlation, estimates derived using this methodology are generally more reliable than comparable estimates developed from the current sample data alone. Estimates for the capital expenditures variables are not generated using the difference estimator because the year-to-year correlations are considerably weaker. The standard linear estimator is used for these variables.

For the nonmail stratum, estimates for payroll and employment are directly tabulated from the administrative-record data provided by IRS and SSA. Estimates of data other than payroll and employment are developed from industry averages. Although the nonmail stratum contains approximately 202,000 individual establishments in 1999, it accounts for only 2 percent of the estimate for total value of shipments at the total manufacturing level.

Corresponding estimates for the mail and nonmail components are combined to produce the estimates included in this publication.

QUALIFICATIONS OF THE ASM DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretically comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected ASM statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete-coverage value would be included in the range:

- From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.
- From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
- From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence

that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some

extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

