

# Benchmark Input-Output Accounts for the U.S. Economy, 1992

## Make, Use, and Supplementary Tables

By Ann M. Lawson

**T**HIS ARTICLE is the first of two articles that present the 1992 benchmark input-output (I-O) accounts for the U.S. economy.<sup>1</sup> The second article will be published in the December 1997 SURVEY OF CURRENT BUSINESS.<sup>2</sup> The I-O accounts show the production of commodities (goods and services) by each industry, the use of commodities by each industry, the commodity composition of gross domestic product (GDP), and the industry distribution of value added. These I-O accounts are used in a variety of analytical and statistical contexts, including in studies of interindustry relationships within the economy and as the framework and benchmarks for other statistical series.

This article describes the preparation of the 1992 I-O accounts and discusses some of the improvements that have been made. In addition, it describes the make and use tables, illustrates how these tables are used, and discusses the concepts and methods underlying the I-O accounts. The 1992 I-O estimates are presented in this article in summary form; that is, they are aggregated to 97 I-O industries from 498-industry detail. The make (production) of commodities by industries is shown in [table 1](#); the use (consumption) of commodities by industries, in [table 2.1](#); and the components of value added by industries, in [table 2.2](#). These tables are available at the summary and detailed levels on diskette (see the box "Data Availability" on page 37).

This article also presents supplementary tables and two appendixes. The supplementary tables link the I-O accounts to the national income and product accounts (NIPA's).<sup>3</sup> These tables permit

more extensive analyses with the I-O estimates. The first appendix provides a concordance between the industry codes used in the I-O accounts and the 1987 Standard Industrial Classification (SIC). The second appendix provides a list of the value-added and final-use components that are included in the I-O accounts.

### The 1992 Benchmark I-O Accounts

In response to user needs—as expressed, for example, by the interagency Working Group on the Quality of Economic Statistics—the Bureau of Economic Analysis (BEA) implemented a program to speed up the availability of benchmark I-O accounts.<sup>4</sup> This goal was later formalized in BEA's Strategic Plan, which was developed with data users and data suppliers in 1995. The Strategic Plan included making the benchmark I-O accounts available to users within 5 years of the date of an economic census or within 1 year after the release of all the data from that census, as part of the goal to develop new and improved measures of output and prices.<sup>5</sup> The 1992 benchmark I-O accounts have met this goal.<sup>6</sup>

### Source data and procedures

The benchmark I-O accounts are based primarily on data collected from the economic censuses conducted every 5 years by the Bureau of the

4. See "Improving the Quality of Economic Statistics: The 1992 Economic Statistics Initiative," SURVEY 71 (March 1991): 4-5.

5. See "Mid-Decade Strategic Review of BEA's Accounts: Maintaining and Improving Their Performance," SURVEY 75 (February 1995): 36-66; "Mid-Decade Strategic Review of BEA's Economic Accounts: An Update," SURVEY 75 (April 1995): 48-56; and "BEA's Mid-Decade Strategic Plan: A Progress Report," SURVEY 76 (June 1996): 52-55.

6. The 1987 benchmark I-O accounts were released in the spring of 1994—7 years after the 1987 economic census and 3 years after the publication of the 1982 benchmark I-O accounts. To speed up the availability of the 1987 I-O accounts, BEA devised a set of procedures that captured the most important parts of the 1987 economic census data, but that abbreviated the process of assembling the wide variety of other non-census data needed to complete a full benchmark. The use of these abbreviated procedures to prepare the 1987 benchmark I-O accounts enabled BEA to more quickly turn its resources towards preparing a complete set of benchmark accounts for 1992.

1. Earlier benchmark I-O accounts covered 1947, 1958, 1963, 1967, 1972, 1977, 1982, and 1987. The 1987 I-O accounts were presented in the April and May 1994 issues of the SURVEY OF CURRENT BUSINESS.

2. The December SURVEY will present the following summary I-O tables: Commodity-by-industry direct requirements per dollar of industry output; commodity-by-commodity total requirements, direct and indirect, per dollar of delivery to final use; and industry-by-commodity total requirements, direct and indirect, per dollar of delivery to final use.

3. The 1992 I-O estimates will be incorporated into the NIPA's during the next comprehensive NIPA revision.

Census. The economic censuses provide comprehensive data—including information on industry and commodity production, materials consumed, and operating expenses—that are not available on a more frequent basis. The 1992 benchmark I-O accounts used data from economic censuses of the following industries: Mining; manufacturing; wholesale trade; retail trade; transportation, communications, and utilities; finance, insurance, and real estate; and services. In addition, the I-O accounts used data from the 1992 Census of Agriculture, the 1992 Census of Construction Industries, and the 1992 Census of Governments.

In preparing the 1992 benchmark I-O accounts, BEA first estimated industry and commodity outputs for the I-O make and use tables. The industry and commodity outputs are represented by the shaded cells in the I-O make table, shown in the upper panel of chart 1, and in the I-O use table, shown in the lower panel. Where there are gaps in coverage by the economic censuses, BEA used data from other sources, such as the U.S. Department of Agriculture, U.S. Department of Energy, U.S. Department of Transportation, U.S. Department of Treasury, Office of Management and Budget, other Government agencies, and private organizations.

Second, BEA prepared estimates of the commodity inputs required by an industry to produce its output. In the use table shown in chart 1, commodity inputs are represented by the upper cells in an industry column. Most of the detailed data available to estimate commodity

inputs are obtained from the economic censuses, which included selected purchased services for most industries and materials consumed for manufacturing. When only aggregate data were available, BEA combined that information (for example, purchases of fuel by manufacturing industries) with information on purchases of individual commodities (for example, purchases of petroleum products, natural gas, and coal in the category of purchased fuels) to estimate purchases of specific commodities by an industry (for example, purchases of natural gas by a manufacturing industry).

Third, BEA prepared estimates of value added by all industries. In the I-O accounts, value added consists of three components—compensation of employees, indirect business tax and nontax liability, and “other value added”—which are represented by the lower cells in an industry column of the use table. To estimate compensation of employees and indirect business tax and nontax liability, BEA used data from the NIPA’s and from the Bureau of Labor Statistics, Bureau of the Census, Office of Management and Budget, and the U.S. Department of Treasury. BEA then derived “other value added” as a residual by subtracting total intermediate inputs, compensation of employees, and indirect business tax and nontax liability from total industry output.

Finally, BEA completed the estimates of detailed final-use categories. For most final-use categories, BEA used the same data and procedures as in the past. Most of the estimates

### Data Availability

This article presents the summary make and use tables for the 1992 benchmark input-output (I-O) accounts. The summary estimates of the requirements tables will be presented in the *December 1997 SURVEY OF CURRENT BUSINESS*.

The estimates included in the make and use tables are available on diskette at the summary level (97 I-O industries) and at the six-digit level (498 I-O industries). The “all” diskette contains the summary make table, use table (including estimates by commodity of transportation costs and of wholesale and retail trade margins), direct requirements coefficients table, and industry-by-commodity and commodity-by-commodity total requirements coefficients. The “all” diskette also contains an alternative set of summary make and use tables with industries defined on an approximate 1987 Standard Industrial Classification (SIC) basis. The six-digit “transactions” diskettes contain the make table, use table (including estimates by commodity of transportation costs and of wholesale and retail trade margins), and direct requirements table. The six-digit “alternative

transactions” diskettes contain the make and the use tables, but the industries are defined on an approximate SIC basis. Each product includes information on the mathematical derivation of the coefficients tables. The BEA product numbers and the prices for these products are listed below.

To order using MasterCard or Visa, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call (202) 606-9666). To order by mail, send a check payable to “Bureau of Economic Analysis, BE-53” to BEA Order Desk, Bureau of Economic Analysis, BE-53, U.S. Department of Commerce, Washington, DC 20230.

Item	BEA product number	Price
1992 benchmark summary, all . . . . .	NDN-0180	\$20
1992 benchmark six-digit, transactions (set of three diskettes) . . . . .	NDN-0178	\$60
1992 benchmark six-digit, alternative transactions (set of two diskettes) . . . . .	NDN-0179	\$40

CHART 1

The U.S. Input-Output Accounts

MAKE TABLE: INDUSTRIES PRODUCING COMMODITIES

		COMMODITIES									TOTAL INDUSTRY OUTPUT
		Agricultural products	Minerals	Construction	Manufactured products	Transportation	Trade	Finance	Services	Other*	
INDUSTRIES	Agriculture	■									
	Mining		■								
	Construction			■							
	Manufacturing				■						
	Transportation					■					
	Trade						■				
	Finance							■			
	Services								■		
	Other*									■	
TOTAL COMMODITY OUTPUT											

USE TABLE: COMMODITIES USED BY INDUSTRIES AND FINAL USES

		INDUSTRIES										FINAL USES (GDP)							TOTAL COMMODITY OUTPUT		
		Agriculture	Mining	Construction	Manufacturing	Transportation	Trade	Finance	Services	Other*	Total intermediate use	Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports of goods and services	Imports of goods and services	Government consumption expenditures and gross investment	GDP			
COMMODITIES	Agricultural products																				
	Minerals																				
	Construction																				
	Manufactured products																				
	Transportation																				
	Trade																				
	Finance																				
	Services																				
	Other*																				
	Noncomparable imports																				
Total intermediate inputs																					
VALUE ADDED	Compensation of employees																				
	Indirect business tax and nontax liability																				
	Other value added**																				
	Total																				
TOTAL INDUSTRY OUTPUT																					

TOTAL COMMODITY OUTPUT  
 PRIMARY PRODUCT OF THE INDUSTRY  
 TOTAL INDUSTRY OUTPUT

\* The input-output (I-O) accounts use two classification systems, one for industries and another for commodities, but both generally use the same I-O numbers and titles. "Other" consists of government enterprises and other I-O special industries; for more information see "Appendix A. Industry Classification of the 1992 Benchmark Input-Output Accounts."

\*\* "Other value added" consists of the following national income and product accounts components of gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and subsidies less current surplus of government enterprises.

of personal consumption expenditures and gross private fixed investment were prepared using the commodity-flow method.<sup>7</sup> For example, using the commodity-flow method, office equipment for private investment was estimated as a residual after government investment was subtracted from the total supply of office equipment. The estimates of inventories held by industries were mostly based on economic census data; these estimates were then distributed to commodities on the basis of information from previous benchmark accounts. The estimates of exports and

imports of commodities were based on data from the Bureau of the Census and BEA's U.S. balance of payments accounts. For the estimates of Federal Government and State and local government, total consumption and investment expenditures by type of purchase were obtained from the NIPA's; these estimates were then distributed to I-O commodities on the basis of information from previous benchmark accounts and the 1992 economic censuses.

### *Improvements and changes*

The 1992 I-O accounts incorporated three types of changes: Definitional and classificational, to

<sup>7</sup> See the box "Personal Consumption Expenditures and Producers' Durable Equipment" below.

## Personal Consumption Expenditures and Producers' Durable Equipment

The estimates of personal consumption expenditures (PCE) and producers' durable equipment (PDE) and the other components of final uses are presented in the input-output (I-O) accounts as purchases of commodities. In the presentation of PCE and PDE in the national income and product accounts (NIPA's), these commodities are grouped into categories either by type of product or by type of expenditure.<sup>1</sup> Two methods are used to prepare the I-O benchmark estimates of PCE and PDE: The direct-estimation method and the commodity-flow method.

### *Direct estimation*

Selected commodities in the PCE and PDE categories are directly estimated from source data. Direct estimation is used when by definition the commodity is purchased only by persons for consumption or by business for investment; for example, the rental value of owner-occupied dwellings is attributed exclusively to persons. Direct estimation is also used when the underlying estimation method results in a more accurate and reliable estimate; for example, estimates of gasoline and oil purchases by persons are based on unit sales and average prices for these commodities.

### *Commodity-flow method*

The estimates for many commodities in the PCE and PDE categories are calculated using the commodity-flow method. This method, which consists of seven steps, converts domestic output (the value of commodities produced by domestic establishments) in producers' prices to domestic supply (the value of production available for sale to domestic purchasers) in purchasers' prices and therefore includes imports and excludes exports. The domestic supply is then allocated to

domestic purchasers—that is, to persons, business, and government.

In step 1, commodities purchased by persons for consumption or by business for investment are identified. The commodities purchased by persons are identified on the basis of the nature of the product from the titles of products included in the quinquennial economic censuses or in the *Standard Industrial Classification Manual, 1987*. The commodities purchased by businesses are identified on the basis of two criteria: (1) The commodity has a life of more than 1 year and is normally capitalized in business accounting records, and (2) the commodity is not an integral part of a structure and therefore is not included in the value of that structure (for example, an elevator in an apartment building).

In step 2, an estimate of total domestic output—that is, shipments, revenues, or receipts—is prepared for each commodity. The value of the domestic output is in producers' prices—that is, it includes excise taxes and tips but excludes transportation costs and wholesale and retail trade margins.

In step 3, imports are added, and in step 4, trade margins and transportation costs are added. Step 4 converts supply into purchasers' prices, which is the valuation used for the commodity-flow estimates.

In step 5, exports, which include transportation costs and trade margins, are subtracted because they are recorded in the NIPA's as a separate final-demand component.

In step 6, changes in inventories are subtracted, because not all goods that are produced or imported in a period are consumed in the same period. In some commodity-flow estimates, a percentage of domestic supply in purchasers' prices—the result of steps 2 through 6—is then allocated to users.

In step 7, government consumption expenditures and gross investment and purchases by business on current account (intermediate purchases) are subtracted from the domestic supply in purchasers' prices to obtain a residual that reflects purchases either by persons for consumption or by businesses for investment.

1. Supplementary tables D and E show the I-O commodity compositions of the NIPA PCE and PDE categories. For the other NIPA expenditure components—not shown in tables D and E—private and government structures are presented by type, inventory change is presented by industry of the establishment holding the inventories, and net exports of goods and services and government consumption and investment expenditures are shown by type of product.

more accurately reflect the evolving U.S. economy; methodological, to increase the accuracy and reliability of the estimates; and statistical, to introduce newly available and revised source data.

*Major definitional and classificational changes.*—The 1992 I-O accounts incorporated the definitional changes that were introduced as part of the comprehensive NIPA revision released in January 1996.<sup>8</sup> The change that most affected the I-O accounts was the new treatment of government purchases that distinguishes between government investment and consumption expenditures and that is symmetrical with the treatment of private fixed assets.<sup>9</sup> Also included are the improved estimates of contributions by the Federal Government to the retirement programs of civilian

8. See "Improved Estimates of the National Income and Product Accounts for 1959–95: Results of the Comprehensive Revision," SURVEY 76 (January/February 1996): 1–27.

9. The services of general government fixed assets, measured as depreciation, are now included in government consumption expenditures. However, the use of depreciation as a measure of the value of services of government fixed assets is only a partial measure of the total value. In theory, the service value of an asset should equal the reduction in the value of the asset due to its use during the current period (depreciation) plus a return equal to the current value the asset could earn if invested elsewhere (net return). The consumption of fixed capital by government does not provide an estimate of the full value of the services of government fixed assets, because the net rate of return on these assets is assumed to be zero. See Robert P. Parker and Jack E. Triplett, "Preview of the Comprehensive Revision of the National Income and Product Accounts: Recognition of Government Investment and Incorporation of a New Methodology for Calculating Depreciation," SURVEY 75 (September 1995): 33–41.

employees and military personnel in employee compensation.<sup>10</sup>

Additional definitional and classificational changes that were incorporated into the 1992 I-O accounts included the following:

- Expansion of industry detail for construction;
- Expansion of detail for service-producing industries in the detailed I-O accounts; and
- Improved classification of imported goods that were previously identified as noncomparable.

*Major methodological changes.*—The 1992 I-O accounts incorporated the results of major methodological changes that were introduced as part of the comprehensive NIPA revision. For example, the improved estimates of purchases of new autos and of investment in nonresidential structures were incorporated into the estimates of final uses, and the new estimates of voluntary contributions to thrift savings plans were incorporated into the estimates of compensation of employees.

For estimates of indirect business tax and other nontax liability, the 1992 I-O accounts incorporated the improved industry assignment of

10. See "Preview of the Comprehensive Revision of the National Income and Product Accounts: New and Redesignated Tables," SURVEY 75 (October 1995): 31–34.

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commodity taxes that was introduced in the comprehensive revision of gross product originating (GPO) released in August 1996.<sup>11</sup> These taxes are now classified in a more consistent and comprehensive manner than in the previous benchmark accounts.

In addition, the 1992 I-O accounts incorporated improved measures of output and inputs for the transportation industries and improved measures of the freight charges incurred to transport commodities by different modes. These improvements resulted from a review of the methods and source data used to prepare transportation estimates for the I-O accounts by the staff of the Department of Transportation.<sup>12</sup> Where feasible, BEA incorporated suggested improvements from this review into the 1992 I-O accounts.

*Major statistical changes.*—The 1992 I-O accounts incorporated newly expanded data from the 1992 economic censuses, which covered about 95 new industries and marked the most significant expansion in scope of the census in the past 50 years. These data were collected primarily in the two new economic censuses—Financial, Insurance, and Real Estate and Transportation, Communications, and Utilities. The I-O accounts also incorporated newly expanded data for the expenses of auxiliary establishments and for the expenses of manufacturing, wholesale trade, retail trade, and service industries. These data, together with data from new annual surveys for transportation and for communications, were used to estimate inputs for these industries.

## Introduction to the I-O Accounts

The I-O accounts for the U.S. economy show the production of commodities by each of 498 industries in the make table and the consumption of commodities by these industries in the use table. The use table also shows the commodity composition of gross domestic product (GDP) and the industry distribution of value added.

The I-O accounts show the relationships between all the industries in the economy and all the commodities that these industries produce and use. The estimates of the commodities are shown in producers' prices.<sup>13</sup> When pro-

ducers' prices are used, transportation costs and wholesale and retail trade margins are treated separately as commodities that are produced and used by industries (see the section "[Definitions and conventions for valuation of transactions](#)").

The I-O accounts consist of five basic tables: (1) Make, (2) use, (3) commodity-by-industry direct requirements, (4) commodity-by-commodity total requirements, and (5) industry-by-commodity total requirements.<sup>14</sup> Only the make and use tables are presented in this article. The remaining three tables and their descriptions will be published in the December 1997 SURVEY.

*The make table.*—The make table (shown as a schematic in [chart 1](#) and with estimates in [table 1](#)) shows the value in producers' prices of each commodity produced by each industry. In each row, one "diagonal" cell shows the value of the production of the commodity for which the industry has been designated the "primary" producer; in [chart 1](#), these cells are shaded in the interior of the make table. The entries in the other cells in the row show the value of the production of commodities for which the industry is a "secondary" producer.<sup>15</sup> For example, the *industry* "newspapers and periodicals" (row 26A in [table 1](#)) is the primary producer of the *commodity* "newspapers and periodicals" (column 26A in [table 1](#)). This industry is also a secondary producer of the following commodities: Other printing and publishing (column 26B); scientific and controlling instruments (column 62); advertising (column 73D); and scrap, used and secondhand goods (column 81). The sum of all the entries in the row is the total output of that industry.

The entries in each column of the make table represent the production by both primary and secondary producers of the commodity in the column. For example, computer and data processing services (column 73A) includes the output by the primary producer—the industry "computer and data processing services" (row 73A)—and by the following secondary producers: Computer and office equipment (row 51); legal, engineering, accounting, and related services (row 73B); and other business and professional

to the values in producers' prices. These estimates are shown in [table C](#) for all I-O commodities included in NIPA final demand; in [table D](#), for all I-O commodities included in personal consumption expenditures; and in [table E](#), for all I-O commodities included in producers' durable equipment.

14. In the designation that is used for I-O tables, the content of the rows is referred to first, and that of the columns, second. For example, in a "commodity-by-industry" table, the commodities are in the rows, and the industries are in the columns.

15. Primary and secondary products and the classification of industries are discussed further in the section "[Definitions and conventions for classification](#)."

11. See Robert E. Yuskavage, "Improved Estimates of Gross Product by Industry, 1959–94," SURVEY 76 (August 1996): 140.

12. The staff of BEA and of the Bureau of Transportation Statistics of the U.S. Department of Transportation are developing a set of transportation satellite accounts for the United States, which are tentatively scheduled for release next year. These accounts will be based on the 1992 benchmark I-O accounts.

13. Estimates of purchases of I-O commodities in purchasers' prices can be derived by adding transportation costs and wholesale and retail trade margins

services, except medical (row 73C). The sum of all the entries in the column is the total output of that commodity.

An industry's share of the production of a commodity can be determined from the values in the make table by calculating the entry in a given column as a percentage of the column total. For example, the production of the commodity "scientific and controlling instruments" (column 62) totaled \$107.9 billion, of which the industry

"scientific and controlling instruments" (row 62) produced \$100.5 billion or about 93 percent of the total commodity output.

The estimates of industry and commodity total output are based primarily on data from the quinquennial economic censuses conducted by the Bureau of the Census. (Table A shows the principal data sources used to estimate industry and commodity outputs for the 1992 I-O accounts.) Economic census data are used for

**Table A.—Principal Data Sources for Industry or Commodity Outputs, 1992 I-O Accounts**

Industry or Commodity	Source
Agriculture, forestry, and fisheries .....	Trade sources U.S. Department of Agriculture, Forest Service and Economic Research Service farm statistics National Oceanic and Atmospheric Administration <i>Fisheries of the United States</i>
Mining .....	Census Bureau 1992 Census of Mineral Industries
Construction .....	Census Bureau 1992 Census of Construction Industries, 1992 Census of Service Industries, value of construction put-in-place series, and 1992 Census of Financial, Insurance, and Real Estate Industries
Manufacturing .....	Census Bureau 1992 Census of Manufactures
Transportation .....	Association of American Railroads <i>Freight Commodity Statistics</i> Census Bureau 1992 Census of Transportation, Communications, and Utilities, <i>Motor Freight Transportation and Warehousing Survey, and Service Annual Survey</i> U.S. Army Corps of Engineers <i>1992 Waterborne Commerce of the United States</i> Department of Transportation <i>Air Carrier Financial Statistics and National Transportation Statistics</i>
Communications .....	Trade sources annual reports Census Bureau 1992 Census of Transportation, Communications, and Utilities
Utilities .....	Department of Energy <i>Financial Statistics of Major United States Investor-Owned Electric Utilities, 1992, and Financial Statistics of Major U.S. Publicly Owned Electric Utilities, 1992 and 1993</i> Census Bureau 1992 Census of Transportation, Communications, and Utilities Rural Electrification Administration <i>1992 Statistical Report, Rural Electric Borrowers</i>
Wholesale and retail trade .....	Census Bureau 1992 Census of Wholesale Trade, 1992 Census of Retail Trade, <i>1992 Combined Annual and Revised Monthly Retail Trade, 1992 Annual Wholesale Trade, and 1993 Annual Retail Trade Survey</i>
Finance .....	Census Bureau 1992 Census of Financial, Insurance, and Real Estate Industries Federal Deposit Insurance Corporation <i>Statistics on Banking</i> Federal Home Loan Bank Board financial reports National Credit Union Administration <i>Yearend Statistics for Federally Insured Credit Unions</i> Annual Report of the New York Stock Exchange Securities and Exchange Commission FOCUS Report data and Annual Report
Insurance .....	Trade sources financial statements Health Care Financing Administration private health insurance data A. M. Best and Company <i>Best's 1992 Aggregate and Averages Property/Casualty Insurance</i> Mortgage Insurance Companies of America <i>1994-1995 Factbook</i> U.S. Department of Labor, Pension Welfare Benefits Administration American Council of Life Insurers <i>1992 Life Insurance Fact Book</i>
Real estate .....	Census Bureau 1992 Census of Financial, Insurance, and Real Estate Industries National income and product accounts data U.S. Department of Agriculture farm statistics Expense data for industries from Census and other sources
Services .....	Census Bureau 1992 Census of Retail Trade, 1992 Census of Service Industries, <i>1992 Service Annual Survey, 1993 Annual Retail Trade Survey</i> U.S. Department of Education Digest of Educational Statistics <i>The Economic Report on Veterinarians &amp; Veterinary Practices</i>
Government enterprises .....	Federal and State and local government agency reports Office of Management and Budget Federal budget data National income and product accounts data
Noncomparable imports .....	Estimated as part of the balance of payments accounts
Scrap .....	Census Bureau 1992 Census of Manufactures
General government .....	Estimated as part of the national income and product accounts
Household .....	Estimated as part of the national income and product accounts
Inventory valuation adjustment .....	National income and product account estimates and 1992 economic census data

most industries, but data from other Government agencies and private sources are used for the I-O industries that are not covered by the economic census data, such as education and religious organizations. In addition, data from other Government agencies are used to supplement the economic census data for some industries; for example, data on financial statistics for major private electric utilities from the U.S. Department of Energy are used to supplement the data on electric utilities from the 1992 Census of Transportation, Communications, and Utilities.

BEA makes two adjustments to the economic census data. First, it adds estimates of the output for establishments that are not covered by the economic censuses. This adjustment includes estimates for nonpayroll firms in mining, manufacturing, and wholesale trade and for noncensus-covered industries in agriculture, forestry, and fisheries, in services (such as education and religious organizations), and in transportation (such as railroads). Second, BEA adjusts the data for misreported tax return information, because in some cases, the Census Bureau data for receipts reflect tax return records rather than information collected from surveys. Therefore, the tax return data must be adjusted to account for nonfilers and for filers who misreport receipts to the Internal Revenue Service.<sup>16</sup> The largest adjustments are to the data for the services industries in which partnerships and sole proprietorships are more prevalent.

After these adjustments are made, BEA redefines the SIC-based economic census data using the I-O classification system in order to attain greater similarity in the input structures for commodities produced by an I-O industry. For example, restaurants in hotels are redefined to the “eating and drinking places” industry. (See the section “Definitions and conventions for classification.”)

*The use table.*—The data in the use table (shown as a schematic in the lower panel of chart 1) are presented in two parts: Table 2.1 shows the value in producers’ prices of each commodity used by each industry or by each final user (represented by the upper left and right quadrants of chart 1); table 2.2 shows detail on the components of value added and total intermediate inputs that are used by each industry to produce its output (represented by the lower left quad-

rant of chart 1).<sup>17</sup> In table 2.1, the entry in each row shows the commodity that is used by the industry or final user in the column. For example, the commodity “radio and TV broadcasting” (row 67) is used by the industries “communications, except radio and TV” (column 66), “radio and TV broadcasting” (column 67), and “advertising” (column 73D) and by persons in personal consumption expenditures (column 91).

To facilitate the presentation, the rows and columns of table 2.2 are reversed from those shown in chart 1 as follows: The industries are shown in the rows, and the total intermediate inputs, the components of value added, and the total output for each industry are shown in the columns. For example, for the industry “radio and TV broadcasting” (row 67), compensation of employees was \$8.4 billion, indirect business tax and nontax liability was \$0.5 billion, and “other value added” was \$2.9 billion. Total intermediate inputs was \$17.6 billion, which is the sum of the intermediate inputs for industry shown in table 2.1. The total output for this industry was \$29.4 billion.

The column total for industries in table 2.1 equals the industry output in table 2.2. For example, the industry output for the radio and TV broadcasting industry (column 67) in table 2.1 equals the total industry output for that industry (row 67) in table 2.2, or \$29.4 billion.

In table 2.1, the sum of the intermediate uses of the commodity by industries (upper left quadrant of chart 1) and all sales to final users (upper right quadrant of chart 1) equals total commodity output. The sum of the intermediate inputs consumed by each industry—that is, the raw materials, semifinished products, and services that the industry purchased—and the value added by the industry equals total industry output. In the I-O accounts, GDP can be measured either as the sum of all final uses of commodities or as the sum of value added by industries.

The use table shows the variation in the share of commodity output that is sold to final users. In table 2.1, some commodities, such as apparel (row 18), were sold almost entirely to final users; therefore, the demand for these commodities is affected primarily by changes in the buying patterns of the final users. Other commodities, such as industrial and other chemicals (row 27A), were used almost entirely as intermediate inputs;

17. Estimates of industry value added, referred to as “gross product originating,” are provided in Sherlene K.S. Lum and Robert E. Yuskavage, “Gross Product by Industry, 1947–96” in this issue. A comparison of the GPO estimates with those from the 1992 I-O accounts is presented in “Note on Alternative Measures of Gross Product by Industry.”

16. See Robert P. Parker, “Improved Adjustments for Misreporting of Tax Return Information Used to Estimate the National Income and Product Accounts, 1977,” SURVEY 64 (June 1984): 17–25.



for these commodities, production is indirectly connected to final uses.

The use table also shows the variation in the usage of commodities by industries. For example, in [table 2.1](#), the commodity “paper and allied products, except containers” (row 24), with a total commodity output of \$98.5 billion, was used by most industries. The largest user was “other printing and publishing” (column 26B), which used \$16.1 billion, or 16 percent of the total commodity output. In contrast, metal containers (row 39), with \$13.2 billion of commodity output, were used by only 17 industries. The largest user was the industry “food and kindred products” (column 14), which used \$9.4 billion, or 71 percent of the total commodity output.

Finally, the use table shows the variation in the use of total value-added inputs by industries to produce their outputs. For example, in [table 2.2](#), the industry “real estate and royalties” (row 71B) required \$412.2 billion of value-added inputs, or 75 percent of its total output; of this total, \$48.4 billion was for compensation of employees, \$79.7 billion was for indirect business tax and nontax liability, and \$284.2 billion was for “other value added.” In contrast, the industry “livestock and livestock products” (row 1) required \$15.6 billion of total value-added inputs, or 17 percent of its total output; of this total, \$4.5 billion was for compensation of employees, \$1.3 billion was for indirect business tax and nontax liability, and \$9.8 billion was for “other value added.”

The estimates of intermediate inputs in the use table are primarily based on data from the economic censuses. Much of these data are for broad

expense categories, such as office supplies, that must be allocated to I-O commodities, such as postal services, paper, and envelopes. In cases in which estimates of expenses are not available, BEA uses commodity shipments and other related information. For example, the estimates of the purchases of spark plugs are allocated using the stock of cars, trucks, and buses by industry. ([Table B](#) shows the principal sources and methods used to estimate intermediate and value-added inputs for 1992 I-O industries.)

The estimates of final uses of commodities are prepared from source data on purchases or by using the commodity-flow method. For example, the estimates of exports and imports are based on source data from the Census Bureau and BEA’s U.S. balance of payments accounts. In the commodity-flow method, which is used mainly for personal consumption expenditures and producers’ durable equipment, domestic output is adjusted for exports and imports; trade margins and transportation costs are added to estimate supply in purchasers’ value. Then, either a percentage of this supply is attributed to final users, or the supply is adjusted for intermediate purchases and the residual is attributed to final users.<sup>18</sup>

Two of the components of value added by industry are estimated directly using a variety of data sources ([table B](#)). Most of the estimates of compensation of employees by industry are based on census data. The estimates of indirect

18. For more detailed information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Personal Consumption Expenditures*, Methodology Paper Series MP-6 (Washington, DC: U.S. Government Printing Office, June 1990): 31–34.

**Table B.—Principal Data Sources and Methods for Estimating Intermediate Inputs and Value-Added Inputs, 1992 I-O Accounts**

Component	Source or method
Intermediate inputs .....	For most census-covered industries, selected purchased services (legal; communications; electricity; repair of buildings; repair of equipment; rental of buildings; rental of equipment; accounting, auditing, and bookkeeping; advertising; and data processing and computer services) and purchased fuels; in addition, for manufacturing and mining, materials consumed and contract work, from 1992 economic censuses. For agriculture industries, inputs from U.S. Department of Agriculture. For most remaining industries, a combination of selected inputs from trade sources and 1987 estimates extrapolated by change in industry output. All inputs adjusted to balance to commodity outputs.
Compensation of employees .....	For census-covered industries, payroll and benefits from Census Bureau 1992 economic censuses, adjusted for misreporting and I-O industry definitions. For noncensus-covered industries, tabulations of wages and salaries covered by State unemployment insurance, BEA estimates of benefits, adjusted for misreporting and I-O industry definition. All estimates adjusted to balance to total compensation, estimated as part of the national income and product accounts.
Indirect business tax and nontax liability .....	For excise taxes and commodity taxes, estimates are from output controls. For all other tax and nontax liability, based on various extrapolators. All estimates adjusted to balance to total indirect business tax and nontax liability, estimated as part of the national income and product accounts.
Other value added .....	For most industries, residual method: Total industry output less total intermediate inputs, compensation of employees, and indirect business tax and nontax liability.

business tax and nontax liability by industry are prepared in two parts: For excise and general sale taxes, the values are estimated as part of each industry's output; for other indirect business taxes, such as property taxes, estimates are distributed on the basis of a variety of source data, including State government tax collections and highway statistics. The remaining component is shown as "other value added," which is derived as a residual by subtracting the total intermediate inputs, compensation of employees, and indirect business tax and nontax liability from total industry output.

### *The uses of the I-O accounts*

The I-O accounts have a variety of uses that range from an analytical tool to study industry production to a framework for benchmarking other economic statistics programs. This section describes the uses of the I-O accounts in studying interindustry relationships in the U.S. economy and in preparing economic statistics. It also describes some of the assumptions that analysts must make when they use I-O accounts as an economic tool for analysis.

*Analytical uses.*—The I-O accounts are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using the I-O accounts, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities.

For example, the I-O accounts can show how an increase in consumer demand for motor vehicles will affect the rest of the economy. It will likely cause an increase in the production of motor vehicles that could result in increased steel production and that, in turn, could require increases in the production of chemicals, iron ore, limestone, and coal. It could also require an increase in the production of upholstery fabrics that could require more natural fibers, more synthetic fibers, and more plastics and that, in turn, could require increases in the production of "electric services (utilities)" and "plastics materials and resins." In the I-O accounts, these effects are quantified in the total requirements tables.<sup>19</sup>

Similarly, the requirements tables can be used to estimate the effects of a strike or natural disaster on the economy or, supplemented with

additional information, to estimate the effects of an increase in demand for U.S. exports on employment. The Federal Emergency Management Agency, the Department of Defense, and the Census Bureau, among others, have used the I-O accounts for such studies.

When the I-O accounts are augmented with regional data by BEA, they can show economic effects by region. For example, the regional I-O accounts can be used to estimate the potential impact of a planned Federal Government shutdown of a military base.<sup>20</sup> When the I-O accounts are augmented with international data, they can be used to estimate the effects of exchange-rate changes on the profitability and activities of manufacturing industries that rely on imported inputs.<sup>21</sup>

Analysts using the I-O tables to estimate the effects of changes in final uses on industries and commodities need to be aware of the underlying I-O assumptions. For example, the I-O tables are based on a set of relationships that exist between producers and consumers in a given year; these relationships reflect constant technology and relative prices. The interindustry relationships reflect the average input structure in each industry for that year, but these relationships do not necessarily reflect those of an additional unit of production. Therefore, for analyses that require alternative assumptions, other economic tools may be required.

*Statistical uses.*—The I-O accounts are used in several ways to prepare economic statistics. For example, the final-use components of personal consumption expenditures and of gross private domestic investment—adjusted to reflect the definitional, classificational, and statistical changes made after the completion of the benchmark I-O accounts—provide the benchmarks for the NIPA'S.

The benchmark I-O accounts are also used as a framework to weight and to calculate index numbers for price, volume, and value. For example, the Bureau of Labor Statistics uses data from the I-O accounts as weights in compiling industry price indexes.

20. Estimates of regional economic effects derived from BEA'S Regional Input-Output Modeling System are based mainly on two data sources: The U.S. benchmark I-O accounts and BEA'S county estimates of wage and salary disbursements at the four-digit SIC level. These estimates are available from the BEA'S Regional Economic Analysis Division. For more information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II), Third Edition* (Washington, DC: U.S. Government Printing Office, 1997).

21. Jose Campa and Linda S. Goldberg, "The Evolving External Orientation of Manufacturing: A Profile of Four Countries," *Economic Policy Review* 2 (1997): 53-81.

19. In an open economy, the production effects are likely to be reflected as an increase in both domestic production and imports. To separate the effects on domestic production from those on imports, analysts generally use a special set of I-O tables that includes an import matrix that identifies the intermediate purchases by producers that are obtained from foreign sources.

### *Definitions and conventions for classification*

The I-O accounts use two classification systems—one for industries and another for commodities—and both systems generally use the same I-O numbers and titles. This section first discusses the I-O industry classification system and then the I-O commodity classification system.

*The I-O industry classification system.*—This system is based on the Standard Industrial Classification (SIC) system, which classifies establishments into industries on the basis of the primary activities of the establishments. Establishments are defined as economic units that are typically at a single location where business is conducted or where services or industrial operations are performed.<sup>22</sup>

The I-O industry classification system differs from the SIC system in three major ways. First, the I-O industry system redefines some secondary production of some SIC industries to other industries. Second, the I-O industry classification system includes “special industries” that are not considered to be industries in the SIC system. Third, because of data limitations, the I-O industry system includes three industries—agriculture, construction, and real estate—that are defined on an activity basis rather than an establishment basis.

*Redefinitions* result in the shift of output and inputs related to the secondary activities of some establishments to the SIC industries in which they are primary activities. (A primary activity must make up the largest proportion of the establishment’s output; all the other activities are secondary.) The I-O industry classification system only redefines the secondary activities of an SIC industry for which the related inputs are very different from those required for the industry’s primary activity. For example, both the output and related inputs of restaurants in hotels are moved from the SIC industry “hotels and lodging places” (in which “hotels and lodging” is the primary activity) to the industry “eating and drinking places” (in which “eating and drinking” is the primary activity), because the input structure of “meals and beverages” is very different from that of the industry’s primary activity. After the redefinition is completed, the total outputs for both I-O *industries*—that is, “eating and drinking places” and “hotels and

lodging places”—are different from their SIC industry counterparts. However, total outputs for the I-O *commodities* remain unchanged from their counterparts in the SIC system. The purpose of redefinitions in the I-O analytical framework is to attain a greater degree of homogeneity in the inputs required by an I-O industry to produce its commodities.

The following activities are redefined:

- Construction work (both new and maintenance and repair) performed by all establishments (including government) is redefined to the construction industries. Construction work performed by and for establishments classified in nonconstruction industries is referred to as “force-account construction.”
- Manufacturing in trade and service establishments is redefined to the appropriate manufacturing industries.
- Retail trade in service establishments is redefined to the retail trade industry. Services in trade establishments are redefined to service industries. Some services are also redefined within the service industries.
- Manufacturers’ sales of purchased goods (resales) are redefined to the wholesale trade industry.
- Rental activities of all establishments are redefined to the real estate and rental industries.
- The preparation of meals and beverages in most establishments is redefined to the eating and drinking industry.

The redefinitions affected most industries, but the total output that was redefined for most industries was small for the 1992 I-O accounts. Redefinitions had a significant effect on the following industries: Automotive repair and services (I-O industry 75) has \$138.4 billion in total industry output after \$1.0 billion was removed and \$48.1 billion was added from wholesale and retail trade; eating and drinking places (I-O industry 74) has \$280.7 billion in total output after \$1.0 billion was removed and \$45.6 billion was added; wholesale trade (I-O industry 69A) has \$569.0 billion in total output after \$51.0 billion was removed and \$31.0 billion was added; and retail trade (I-O 69B) has \$522.5 billion in total output after \$82.7 billion was removed and \$13.9 billion was added.

*Special industries* are included in the I-O system, but they are not considered industries in the SIC system. In the SIC, government establishments engaged in business-like activities (defined

22. Appendix A provides a list of I-O industries and the relationships of these industries to the 1987 SIC codes. For more information on the SIC, see Office of Management and Budget, Statistical Policy Division, *Standard Industrial Classification Manual 1987* (Washington, DC: U.S. Government Printing Office, 1987): 11–18.

in divisions 1-8), such as the U.S. Postal Service and the local water authorities, are classified in the same SIC industry as private establishments. In the I-O system, these establishments are classified in Federal Government enterprises (I-O 78) and State and local government enterprises (I-O 79).<sup>23</sup>

Another special industry created for the I-O accounts, general government (I-O 82), covers all other government establishments and is similar in scope to SIC industry division 9, Public Administration. The output and value added of this industry are defined as compensation of employees and consumption of fixed capital of general government agencies.

The I-O system also includes a special industry for the inventory valuation adjustment (I-O 85), which is an adjustment needed to eliminate inventory profits or losses from the change in the inventory component of output.

*Activity-based industries* are necessary for agriculture, construction, and real estate. Agriculture industries are classified by commodity, such as dairy farm products, because source data on the production of agriculture commodities by establishment, such as data on the production of milk products by dairy farms, are not available.

Construction is classified by type of activity, such as the construction of new highways and streets, rather than by the type of construction contractor, such as heavy construction contractors who pave asphalt roads, partly because source data are not available, but more importantly, because construction is an atypical activity in that it is performed in almost all industries; most establishments perform maintenance and repairs, and some perform their own new construction. Therefore, this type of activity is referred to as force-account construction.

To adequately represent construction activities in the U.S. economy, the output associated with all construction activities performed by the nonconstruction industries is redefined to the construction industry. Similarly, the intermediate and value-added inputs for this work are moved to the construction industries.

The real estate industry includes all real estate rental receipts and all imputed rents for owner-occupied housing and for buildings and equipment owned and used by nonprofit institutions primarily serving households. Rental

receipts are included in this industry because of a lack of data for individual industries. Imputed rents are included in the I-O accounts to make them consistent with the NIPA's.

*The I-O commodity classification system.*—In this system, each commodity is assigned the code of the industry in which the commodity is the primary product. This code is then used to group the production of the commodity in the industry in which it is the primary product with its production in other industries in which it is a secondary product. In a few cases, the I-O system reclassifies SIC-defined commodity groups, and a secondary product is created from an SIC-defined primary product. The output of the SIC-defined product is moved to the I-O-defined primary product group; therefore, the output represents the total output of the product, regardless of the classification of the establishments that produce it.

For example, in the SIC system, the primary product of the newspaper industry is defined as newspaper sales and newspaper advertising. In the I-O system, the primary product of the newspaper industry is newspaper sales. The advertising component is considered to be a secondary activity; therefore, advertising receipts or output are moved to the advertising commodity group. The total output for the I-O newspaper *industry* remains unchanged.

Reclassifications affected a small percentage of commodities, and for most of these commodities, the values were not very large. However, some commodities had significant reclassified sales. For example, the commodity "newspapers and periodicals" (I-O 26A) has \$19.9 billion in total commodity output after \$35.4 billion was moved to the advertising commodity (I-O 73D).

In several cases, there is no I-O commodity classification that corresponds to an industry classification. If a commodity is the primary product of more than one SIC industry, then the commodity is reclassified and given the I-O commodity number that corresponds to the I-O industry that is the largest producer of the commodity. As a result, the following detailed I-O commodities have no commodity output: Forest products (commodity 2.0701); knit outerwear mills (commodity 18.0201); knit underwear and nightwear mills (commodity 18.0202); knitting mills, n.e.c. (commodity 18.0203); fertilizers, mixing only (commodity 27.0202); cold-rolled

23. Establishments defined as government enterprises follow the same classification used in the NIPA's. For more information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Government Transactions*, Methodology Paper Series MP-5 (Washington, DC: U.S. Government Printing Office, November 1988): 6.

Table C.—Input-Output Commodity Composition of Final Uses,

[Millions]

Commodity number	Commodity description	Personal consumption expenditures				Gross private fixed investment				Change in business inventories				Exports of goods and services			
		Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
1	Livestock and livestock products .....	3,709	101	1,290	5,100					857	1	-1	857	800	15	3	818
2	Other agricultural products .....	19,531	3,547	17,859	40,937					4,035	29	50	4,114	16,116	1,516	3,740	21,372
3	Forestry and fishery products .....	3,085	18	846	3,949					-45	-1	-46	2,880	36	317	3,233	
4	Agricultural, forestry, and fishery services .....	729			729								61			61	
5+6	Metallic ores mining .....					50	20	1									1,173
7	Coal mining .....	68	28	69	165					-24	-1	3	1,104	53	16	4,305	
8	Crude petroleum and natural gas .....									-3	8	4	3,122	1,095	88	88	
9+10	Nonmetallic minerals mining .....	39	47	23	109					23	17	4	3,290	294	66	3,650	
11	New construction .....					339,916											1,186
12	Maintenance and repair construction .....					20,362											
13	Ordnance and accessories .....					29											
14	Food and kindred products .....	1,473	6	1,023	2,502					-1,855		-3	-1,858	3,592	23	43	3,658
15	Tobacco products .....	248,010	6,759	133,135	387,904					150	39	-71	19,630	841	1,791	22,262	6,174
16	Broad and narrow fabrics, yarn and thread mills .....	30,395	181	17,432	48,008					2,137	12	126	5,874	25	275	6,174	
17	Miscellaneous textile goods and floor coverings .....	1,683	39	2,403	4,125					477	18	40	535	30	169	2,558	
18	Apparel .....	5,578	242	5,150	10,970	2,343	107	895	3,345		6	12	37	66	172	1,962	
19	Miscellaneous fabricated textile products .....	80,934	627	86,794	168,355					3,897	40	494	4,065	8	498	4,571	
20+21	Lumber and wood products .....	11,189	99	9,872	21,180					470	2	56	528	810	4	787	901
22+23	Furniture and fixtures .....	2,529	67	2,559	5,155	4,661		1,340	6,001	663	111	171	945	5,965	467	749	7,181
24	Paper and allied products, except containers .....	21,623	163	19,848	41,634	16,091	182	3,930	20,203	185	4	13	202	2,633	19	286	2,938
25	Paperboard containers and boxes .....	14,339	381	262	643					771	65	87	923	8,567	710	635	9,912
26A	Newspapers and periodicals .....	15,282	790	13,733	29,805					277	18	40	335	691	32	47	770
26B	Other printing and publishing .....	2,154	311	1,724	4,189	1,957			1,957	-62	3		-59	653	39	94	786
27A	Industrial and other chemicals .....	920	48	690	1,658					753	45	135	933	2,984	57	349	3,390
27B	Agricultural fertilizers and chemicals .....									729	60	45	834	17,292	1,233	10,660	19,585
28	Plastics and synthetic materials .....									-153	-7	-34	-194	3,341	105	886	4,332
29A	Drugs .....	43,864	242	25,022	69,128					239	22	8	269	8,477	993	357	9,627
29B	Cleaning and toilet preparations .....	30,098	1,167	19,323	50,588					1,292	10	115	1,417	7,272	22	1,016	8,310
30	Paints and allied products .....	480	32	226	738					186	27	7	284	2,591	73	300	2,964
31	Petroleum refining and related products .....	53,355	3,105	59,579	116,039					42	5	9	56	745	43	106	894
32	Rubber and miscellaneous plastics products .....	15,051	2,754	18,831	36,636	215	10	52	277	46	24	26	96	9,084	555	858	10,497
33+34	Footwear, leather, and leather products .....	16,491	135	17,686	34,312					995	139	202	1,336	6,905	553	1,146	8,604
35	Glass and glass products .....	979	43	1,158	2,180					331	2	53	386	1,464	24	103	1,591
36	Stone and clay products .....	2,570	104	3,002	5,676					185	10	23	218	1,544	46	225	1,615
37	Primary iron and steel manufacturing .....	36	7	36	79					-139	-11	6	-201	1,713	160	158	2,031
38	Primary nonferrous metals manufacturing .....	71	3	53	127					-392	20	7	-308	3,505	134	394	4,033
39	Metal containers .....					52	1	8	61	42	10		10	341	7	25	373
40	Heating, plumbing, and fabricated structural metal products .....	326	12	229	567	3,612	26	387	4,025	-110	-3	6	-107	2,061	19	203	2,268
41	Screw machine products and stampings .....	1,345	16	1,509	2,870					217	5	49	271	2,171	28	269	2,468
42	Other fabricated metal products .....	4,266	136	3,979	8,381	2,415	108	434	2,957	67	14	7	-189	4,849	161	794	5,804
43	Engines and turbines .....	169	3	45	217	17,803	915	6,709	25,427	-184	-1	-12	-54	1,302	41	287	1,630
44+45	Farm, construction, and mining machinery .....					5,743	184	1,298	7,225	-41	-1	-12	-54	1,302	41	287	1,630
46	Materials handling machinery and equipment .....	687	4	980	1,651	17,652	338	2,629	20,619	18	8	9	35	3,686	51	444	4,181
47	Special industry machinery and equipment .....	237	2	227	466	16,820	332	2,433	19,585	-106	-8	-4	-110	4,510	63	574	5,147
48	General industrial machinery and equipment .....					11,300	156	1,221	12,677	-80	2	-8	-86	7,834	107	873	8,614
50	Miscellaneous machinery, except electrical .....	136	7	109	252	700	15	91	806	-59	11	-7	-54	1,962	97	221	2,280
51	Computer and office equipment .....	5,368	64	3,838	9,270	36,169	441	8,331	44,941	-1,241	-1	-77	-1,319	22,925	239	3,696	26,860
52	Service industry machinery .....	910	16	684	1,610	7,376	112	1,878	9,366	165	1	40	206	3,320	44	629	3,993
53	Electrical industrial equipment and apparatus .....	200	3	189	392	6,826	187	1,078	8,091	77	12	31	120	4,083	52	663	4,798
54	Household appliances .....	13,100	623	7,869	21,592	2,668	121	1,475	4,264	-96	25	4	-24	2,329	95	214	2,638
55	Electric lighting and wiring equipment .....	2,023	99	2,624	4,746	283	7	66	356	141	19	84	244	2,839	74	500	3,413
56	Audio, video, and communication equipment .....	21,682	301	14,852	36,835	24,513	176	3,122	27,811	374	22	49	445	9,551	90	1,062	10,703
57	Electronic components and accessories .....	216		114	330					-51	2	12	-37	16,150	120	2,058	18,345
58	Miscellaneous electrical machinery and supplies .....	6,298	332	5,859	12,489	2,058	42	397	2,497	-149	12	14	-123	5,702	129	1,058	6,889
59A	Motor vehicles—passenger cars and trucks .....	105,552	2,844	18,294	126,690	75,132	2,028	8,916	86,076	1,114	30	45	1,189	16,336	423	568	17,327
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	4,277	132	3,318	7,727	4,981	65	361	5,407	-220	-3	-4	-227	16,995	483	1,725	19,203
60	Aircraft and parts .....	465	1	57	523	13,676	33	90	13,799	-8,011	-19	-30	-8,060	40,656	279	435	41,370
61	Other transportation equipment .....	11,958	86	4,277	16,321	4,741	90	358	5,189	-298	7	7	-287	3,354	23	109	3,486
62	Scientific and controlling instruments .....	5,479	33	5,047	10,559	43,637	258	5,651	49,546	-228	6	114	-108	17,864	67	2,120	20,051
63	Ophthalmic and photographic equipment .....	6,240	37	9,019	15,296	6,915	53	3,113	10,081	368	7	156	531	3,453	13	1,134	4,600
64	Miscellaneous manufacturing .....	36,410	754	43,551	80,715	5,365	596	1,673	7,634	765	34	189	988	4,427	137	1,182	5,746
65A	Railroads and related services; passenger ground transportation .....	16,447			16,447									633			633
65B	Motor freight transportation and warehousing .....				6,238									1,981			1,981
65C	Water transportation .....	4,975			4,975									9,182			9,182
65D	Air transportation .....	33,929			33,929									21,745			21,745
65E	Pipelines, freight forwarders, and related services .....	2,814			2,814									2,528			2,528
66	Communications, except radio and TV .....	90,397			90,397	5,065			5,065					3,596			3,596
67	Radio and TV broadcasting .....	1,839			1,839												
68A	Electric services (utilities) .....	79,337			79,337									267			267
68B	Gas production and distribution (utilities) .....	29,537			29,537									337			337
68C	Water and sanitary services .....	20,464			20,464									65			65
69A	Wholesale trade .....													2,812			2,812
69B	Retail trade .....	313		3	316									20			20
70A	Finance .....	198,007			198,007									17,142			17,142
70B	Insurance .....	138,181			138,181									1,685			1,685
71A	Owner-occupied dwellings .....	457,250			457,250												
71B	Real estate and royalties .....	166,640		1,994	168,634	28,407			28,407					20,683			20,683
72A	Hotels and lodging places .....	29,881			29,881									48			48
72B	Personal and repair services—except auto .....	65,602		8	65,610									42			42
73A	Computer and data processing services .....	2,444		2	3,271	3,441			3,441	-41		-2	-43	3,092			3,092
73B	Legal, engineering, accounting, and related services .....	45,781			45,781	15,785			15,785					5,013			5,013
73C	Other business and professional services, except medical .....	20,917		814	21,731									5,677			5,677
73D	Advertising .....	676			676									531			531
74	Eating and drinking places .....	242,151			242,151									328			328
75	Automotive repair and services .....	90,099		165	90,264					4		2	6	34			34
76	Amusements .....	78,466	1	1,552	80,019									4,289			4,289
77A	Health services .....	611,328			611,328									26			26
77B	Educational and social services, and membership organizations .....	225,749			225,749									450			450
78	Federal Government enterprises .....	6,881			6,881									188			188
79	State and local government enterprises .....	22,489															

**in Producers' and Purchasers' Prices, 1992 I-O Accounts**

[of dollars]

Imports of goods and services				Federal Government consumption expenditures and gross investment, national defense				Federal Government consumption expenditures and gross investment, nondefense				State and local government consumption expenditures and gross investment, education				State and local government consumption expenditures and gross investment, other				Commodity number		
Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices			
-2,061			-2,061	2			2	5				5	40			40	154			16	170	1
-6,860			-6,860					-358	-28			3	-383	297	73	70	440	643	95	92	830	2
-5,659			-5,659	-1			-1	-1,168				-1,168	9			10	-516			1	-515	3
-21			-21	19			19	20				20	377			377	1,310				1,310	4
1,488			1,488	-148	-17	-5	-170	1				1	41									5+6
-133			-133	1			1	28	12			12	1	28	4						21	7
-43,984			-43,984	-3	-4		-7	-202	1			-252										8
-896			-896					5	4			9										8
				5,234			5,234	10,569				10,569	20,251									9+10
				6,649			6,649	3,780				3,780	6,802									11
-809			-809	16,479	51	52	16,582	2,698				2,698										12
-21,850			-21,850	269	3	29	301	195				7	29	4,061	89	515	4,665	4,593	108	1,053	5,754	13
-1,587			-1,587																			14
-4,397			-4,397	51			58	12				12	73	1	5	79	143	2	2	1	-21	15
-1,879			-1,879	3			3	46	1			51	18		1	19	57	7	11	11	69	17
-38,484			-38,484	505	4	73	582	7				1	6		7	1,085	3	3	154	1,248	18	
-2,870			-2,870	150	4	18	172	56				6	62		6	73	379	3	46	46	428	19
-7,143			-7,143	14			14	17				17	75	6	6	98	101	2	2	9	112	20+21
-6,026			-6,026	10			11	188				34	222	1,601	329	1,938	1,065	2	340	1,407	24	
-10,715			-10,715	98	1	10	109	601	16			47	664	1,654	113	1,944	1,606	89	161	1,856	24	
-247			-247	40			42	51	5			3	55	39	2	43	159	8	13	180	25	
-199			-199	290			13	99	3			9	113	406	53	482	246	8	24	278	26A	
-1,783			-1,783	2		16	308	706	27			82	815	4,346	146	502	4,994	2,124	27	172	2,323	26B
-14,375			-14,375	3,109	88	35	3,232	1,159	32			26	1,217	826	45	820	921	180	185	3,076	27A	
-2,330			-2,330	8			9	19	2			21	146	5	50	201	354	16	96	466	27B	
-3,827			-3,827	11			12	6				6	1									28
-13,193			-13,193	365	2	58	425	165				171	119	119	18	137	4,817	28	760	5,605	28A	
-2,052			-2,052	126	2	17	145	54	4			16	74	136	9	183	592	28	101	741	29B	
-200			-200					6				1	7	296	19	362	116	7	18	1,711	30	
-11,582			-11,582	2,771	137	287	3,195	338	14			29	381	5,385	240	506	6,131	6,683	309	625	7,617	31
-13,253			-13,253	423	62		562	202	15			39	256	110	19	18	147	1,802	125	349	2,276	32
-12,824			-12,824	41			48	4														33+34
-2,159			-2,159	16			17	151				152	73	1	7	81	309	3	34	346	35	
-4,551			-4,551	30	4	3	37	64	2			12	78	80	2	91	100	5	12	117	36	
-10,893			-10,893	221	22	8	251	9	1			10	7	2	1	10	80	9	9	96	37	
-10,228			-10,228	84	1	5	90	158	1			15	174	5	1	6	73	30	4	107	38	
-201			-201	15			16					5				5						39
-1,008			-1,008	342	11	9	362	335	3			23	361				11		1	12	40	
-2,628			-2,628	122	1	32	155	71				5	76	39		43	87		11	98	41	
-8,510			-8,510	426	8	72	506	208	12			31	251	452	29	75	556	1,039	53	176	1,268	42
-2,413			-2,413	673	8		696	287	4			3	294	96		105	294	2	14	310	43	
-4,754			-4,754	477	28	101	602	33	1			5	39	86	3	28	117	1,577	94	342	2,013	44+45
-1,468			-1,468	50	2	17	69	15				4	19			12	6					46
-5,127			-5,127	24	1	2	27	40				4	22	5	36	263	178	3	20	201	47	
-5,881			-5,881	24			27	135				2	136	249	2	38	289					48
-7,796			-7,796	233	4	35	283	48	14			50	147	10	9	155	338	3	3	378	49	
-1,895			-1,895	584	25	21	630	267	17			17	298			189						50
-32,687			-32,687	1,185	13	179	1,377	1,679	9			189	1,877	1,969	17	501	2,487	1,962	12	433	2,407	51
-2,243			-2,243	100	1	10	111	57	1			12	70	698	8	172	878	479	3	112	594	52
-5,295			-5,295	502	3	52	557	300	4			66	370	257	4	291	449	11	91	551	53	
-4,072			-4,072	31			32	9				9	136			150	70		6	76	54	
-4,985			-4,985	227	1	8	236	112	2			39	153	393	7	146	546	331	3	105	439	55
-25,409			-25,409	5,904	16	107	6,027	1,628	7			62	1,697	314	1	24	339	407		24	431	56
-20,574			-20,574	1,660			1,737	260				11	271	81		87	156					57
-8,062			-8,062	1,196	18	165	1,379	251	18			20	271	283	4	64	351	151	2	25	178	58
-58,285			-58,285	1,579	43	58	1,680	525	14			18	557	1,364	36	48	1,448	4,523	113	162	4,796	59A
-21,743			-21,743	417	8	205	445	422	4			2	428	669	16	69	754	1,001	20	106	1,127	59B
-12,153			-12,153	35,971	170	205	36,346	1,575	4			3	1,582				45					60
-2,693			-2,693	8,638	114		8,705	203				1	204	218	8	16	242	694	10	13	717	61
-14,773			-14,773	21,840	26	1,096	23,050	4,293	12			279	4,584	561	1	54	616	3,702	14	392	4,108	62
-8,153			-8,153	1,258	3	172	1,433	33				16	93	1,102	8	403	1,513	1,896	9	718	2,623	63
-23,335			-23,335	149	14	52	215	-177	3			-44	-168	1,271	73	425	1,769	999	25	300	1,324	64
-164			-164	576			576	235				235	3,578				3,578	365			365	65A
-2,059			-2,059	3,892			3,892	869				869	193				193	300			300	65B
3,530			3,530	1,479			1,479	91				91					224				224	65C
-8,544			-8,544	2,442			2,442	577				577	871				871	2,016			2,016	65D
				1,471			1,471	1,848				1,848	3				3	102			102	65E
				1,949			1,949	502				502	5,534				5,534	9,933			9,933	66
				346			346	152				152	2,023				2,023	1,622			1,622	66A
				495			495	541				541	1,395				1,395	253			253	66B
												15										66C
												2										66A
																						66B
-265			-265									1,030					1,106				1,106	70A
-1,136			-1,136	17			17	1,030				2,280					351				181	70B
																						71A
				512			512	3,179				3,179	806				806	9,226			9,226	71B
				967			967	149				149	-2,697				-2,697	3,328			3,328	72A
				51			51	18				18	1,060				1,060	1,664			1,664	72B
				7,913			7,913	8,806	24			8,830	2,003				2,020	6,876				

Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992

I-O Accounts											
[Millions of dollars]											
NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
3	<b>Food purchased for off-premise consumption (n.d.):</b>					72B	Personal and repair services (except auto)	11,143			11,143
	Total .....	259,465	9,661	144,583	413,709	18	<b>Jewelry and watches (d.):</b>				
	1 Livestock and livestock products .....	1,866	21	615	2,502		Total .....	13,153	58	18,434	31,645
	2 Other agricultural products .....	14,987	2,972	10,929	28,888		62 Scientific and controlling instruments .....	1,611	17	2,094	3,722
	3 Forestry and fishery products .....	867	17	389	1,273		64 Miscellaneous manufacturing .....	12,312	41	15,704	28,057
	9+10 Nonmetallic minerals mining .....	6	8	4	18		81 Scrap, used and secondhand goods .....	-770		636	-134
	14 Food and kindred products .....	241,859	6,605	132,382	380,846	19	<b>Other misc. personal, clothing and jewelry services (s.):</b>				
	27A Industrial and other chemicals .....	599	38	264	901		Total .....	16,042			16,042
	69B Retail trade .....	2			2		72B Personal and repair services (except auto)	16,022			16,022
	81 Scrap, used and secondhand goods .....	-721			-721		73C Other business and professional services, except medical .....	20			20
4	<b>Purchased meals and beverages (n.d.):</b>					21	<b>Toilet articles and preparations (n.d.):</b>				
	Total .....	245,963			245,963		Total .....	21,996	613	15,294	37,903
	65A Railroads and related services; passenger ground transportation .....	60			60		19 Miscellaneous fabricated textile products .....	89		56	145
	65D Air transportation .....	24			24		29B Cleaning and toilet preparations .....	19,370	410	13,313	33,093
	74 Eating and drinking places .....	242,151			242,151		32 Rubber and miscellaneous plastics products .....	45	2	43	90
	76 Amusements .....	3,633			3,633		42 Other fabricated metal products .....	843	32	577	1,452
	77B Educational and social services, and membership organizations .....	95			95		54 Household appliances .....	648	33	316	997
5	<b>Food furnished to employees (including military) (n.d.):</b>						58 Miscellaneous electrical machinery and supplies .....	511	68	504	1,083
	Total .....	6,091	193	802	7,086		64 Miscellaneous manufacturing .....	490	68	485	1,043
	1 Livestock and livestock products .....	127	1		128	22	<b>Barbershops, beauty parlors, and health clubs (s.):</b>				
	2 Other agricultural products .....	180	38	47	265		Total .....	20,065			20,065
	3 Forestry and fishery products .....	19		2	21		72A Hotels and lodging places .....				1,114
	14 Food and kindred products .....	5,765	154	753	6,672		72B Personal and repair services (except auto)	15,601			15,601
6	<b>Food produced and consumed on farms (n.d.):</b>						76 Amusements .....	3,350			3,350
	Total .....	590			590	24	<b>Owner-occupied nonfarm dwellings-space rent (s.):</b>				
	1 Livestock and livestock products .....	88			88		Total .....	451,983			451,983
	2 Other agricultural products .....	116			116		71A Owner-occupied dwellings .....	451,983			451,983
	14 Food and kindred products .....	386			386	25	<b>Tenant-occupied nonfarm dwellings-rent (s.):</b>				
7	<b>Tobacco products (n.d.):</b>						Total .....	160,733			160,733
	Total .....	30,395	181	17,432	48,008		71B Real estate and royalties .....	160,733			160,733
	15 Tobacco products .....	30,395	181	17,432	48,008	26	<b>Rental value of farm dwellings (s.):</b>				
12	<b>Shoes and other footwear (n.d.):</b>						Total .....	5,349			5,349
	Total .....	14,926	121	17,856	32,903		71A Owner-occupied dwellings .....	5,267			5,267
	32 Rubber and miscellaneous plastics products .....	3,749	67	4,560	8,376		71B Real estate and royalties .....	82			82
	33+34 Footwear, leather, and leather products .....	11,177	54	13,255	24,486	27	<b>Other housing (s.):</b>				
	81 Scrap, used and secondhand goods .....			41	41		Total .....	24,509			24,509
							72A Hotels and lodging places .....	24,509			24,509
14	<b>Women's and children's clothing and accessories, except shoes (n.d.):</b>					29	<b>Furniture, including mattresses and bedspings (d.):</b>				
	Total .....	57,151	540	65,715	123,406		Total .....	20,041	122	18,794	38,957
	16 Broad and narrow fabrics, yarn and thread mills .....	1,344	30	2,047	3,421		22+23 Furniture and fixtures .....	19,943	122	18,235	38,300
	18 Apparel .....	48,207	363	57,057	105,627		81 Scrap, used and secondhand goods .....	98		559	657
	19 Miscellaneous fabricated textile products .....	201	2	187	390	30	<b>Kitchen and other household appliances (d.):</b>				
	24 Paper and allied products, except containers .....	3,349	37	1,615	5,001		Total .....	14,508	626	9,153	24,287
	26B Other printing and publishing .....	208	37	396	641		38 Primary nonferrous metals manufacturing .....	61	1	41	103
	32 Rubber and miscellaneous plastics products .....	24	2	39	65		40 Heating, plumbing, and fabricated structural metal products .....	302	12	207	521
	33+34 Footwear, leather, and leather products .....	3,663	45	3,201	6,909		52 Service industry machinery .....	742	13	530	1,285
	64 Miscellaneous manufacturing .....	274	24	460	758		54 Household appliances .....	12,342	584	7,474	20,400
	69B Retail trade .....	88		2	90		58 Miscellaneous electrical machinery and supplies .....	1,020	16	757	1,793
	72B Personal and repair services (except auto)	25			25		81 Scrap, used and secondhand goods .....	41		144	185
	81 Scrap, used and secondhand goods .....	-232		711	479	31	<b>China, glassware, tableware, and utensils (d.):</b>				
15	<b>Men's and boys' clothing and accessories, except shoes (n.d.):</b>						Total .....	8,156	227	11,194	19,577
	Total .....	33,851	296	31,128	65,275		20+21 Lumber and wood products .....	595	14	768	1,377
	16 Broad and narrow fabrics, yarn and thread mills .....	131	2	191	324		32 Rubber and miscellaneous plastics products .....	3,667	110	5,618	9,395
	18 Apparel .....	32,557	264	29,714	62,535		35 Glass and glass products .....	424	22	591	1,037
	32 Rubber and miscellaneous plastics products .....	17	1	19	37		36 Stone and clay products .....	747	16	852	1,615
	33+34 Footwear, leather, and leather products .....	1,150	17	834	2,001		38 Primary nonferrous metals manufacturing .....	10	2	12	24
	64 Miscellaneous manufacturing .....	110	12	148	270		41 Screw machine products and stampings .....	1,228	13	1,310	2,551
	69B Retail trade .....	43			43		42 Other fabricated metal products .....	857	50	1,107	2,014
	72B Personal and repair services (except auto)	38			38		64 Miscellaneous manufacturing .....	573		710	1,283
	81 Scrap, used and secondhand goods .....	-195		222	27		69B Retail trade .....	44		44	44
16	<b>Standard clothing issued to military personnel (n.d.):</b>						81 Scrap, used and secondhand goods .....	11		226	237
	Total .....	218		26	244	32	<b>Other durable house furnishings (d.):</b>				
	18 Apparel .....	170		23	193		Total .....	18,088	599	20,106	38,793
	19 Miscellaneous fabricated textile products .....	8			8		17 Miscellaneous textile goods and floor coverings .....	5,143	237	4,850	10,230
	33+34 Footwear, leather, and leather products .....	40		3	43		19 Miscellaneous fabricated textile products .....	454	4	432	890
17	<b>Cleaning, storage, and repair of clothing and shoes (s.):</b>						20+21 Lumber and wood products .....	1,554	45	1,451	3,050
	Total .....	11,365			11,365		22+23 Furniture and fixtures .....	1,680	41	1,613	3,334
	72A Hotels and lodging places .....	222			222		26B Other printing and publishing .....	41		35	76

**Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992**  
**I-O Accounts—Continued**  
 (Millions of dollars)

NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
	32 Rubber and miscellaneous plastics products	222	9	258	489	<b>39</b>	<b>Water and other sanitary services (s.):</b>				
	33+34 Footwear, leather, and leather products	125	6	119	250		Total	30,293			30,293
	35 Glass and glass products	414	20	423	857		68C Water and sanitary services	20,426			20,426
	36 Stone and clay products	1,143	27	1,043	2,213		79 State and local government enterprises	9,867			9,867
	40 Heating, plumbing, and fabricated structural metal products	24		22	46	<b>40</b>	<b>Fuel oil and coal (n.d.):</b>				
	42 Other fabricated metal products	1,548	40	1,733	3,321		Total	6,235	435	5,495	12,165
	44+45 Farm, construction, and mining machinery	400	7	510	917		7 Coal mining	68	28	69	165
	47 Metalworking machinery and equipment	687	4	960	1,651		20+21 Lumber and wood products	105	2	96	203
	48 Special industry machinery and equipment	237	2	227	466		27A Industrial and other chemicals	345	39	276	660
	50 Miscellaneous machinery, except electrical	110	2	90	202		31 Petroleum refining and related products	5,679	366	5,054	11,099
	51 Computer and office equipment	268	4	226	498		68C Water and sanitary services	38			38
	53 Electrical industrial equipment and apparatus	102	1	90	193	<b>41</b>	<b>Telephone and telegraph (s.):</b>				
	55 Electric lighting and wiring equipment	932	76	1,136	2,144		Total	70,669			70,669
	56 Audio, video, and communication equipment	1,119	10	1,132	2,261		66 Communications, except radio and TV	70,129			70,129
	61 Other transportation equipment	79	3	71	153		72A Hotels and lodging places	540			540
	62 Scientific and controlling instruments	408	3	430	841	<b>42</b>	<b>Domestic service (s.):</b>				
	64 Miscellaneous manufacturing	1,207	58	1,668	2,933		Total	11,356			11,356
	69B Retail trade	113			113		73C Other business and professional services, except medical	1,269			1,269
	81 Scrap, used and secondhand goods	78		1,587	1,665		84 Household industry	10,087			10,087
<b>33</b>	<b>Semidurable house furnishings (n.d.):</b>					<b>43</b>	<b>Other household operation (s.):</b>				
	Total	12,918	318	12,336	25,572		Total	27,116			27,116
	16 Broad and narrow fabrics, yarn and thread mills	208	7	165	380		65B Motor freight transportation and warehousing	6,065			6,065
	17 Miscellaneous textile goods and floor coverings	243	2	192	437		65C Water transportation	162			162
	19 Miscellaneous fabricated textile products	9,783	86	8,709	18,578		65D Air transportation	33			33
	20+21 Lumber and wood products	275	6	244	525		70B Insurance	-244			-244
	26B Other printing and publishing	118		99	217		72B Personal and repair services (except auto)	5,477			5,477
	32 Rubber and miscellaneous plastics products	653	24	650	1,327		73C Other business and professional services, except medical	8,922			8,922
	35 Glass and glass products	127	1	133	261		78 Federal Government enterprises	6,690			6,690
	37 Primary iron and steel manufacturing	36	7	36	79		81 Scrap, used and secondhand goods	11			11
	41 Screw machine products and stampings	117	3	199	319	<b>45</b>	<b>Drug preparations and sundries (n.d.):</b>				
	54 Household appliances	92	5	71	168		Total	48,402	310	27,182	75,894
	64 Miscellaneous manufacturing	1,264	177	1,798	3,239		19 Miscellaneous fabricated textile products	23		12	35
	69B Retail trade	2		1	3		24 Paper and allied products, except containers	1,894	22	920	2,836
	81 Scrap, used and secondhand goods				39		27A Industrial and other chemicals	53	9	42	104
<b>34</b>	<b>Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.):</b>					<b>46</b>	<b>Ophthalmic products and orthopedic appliances (d.):</b>				
	Total	25,213	1,367	14,480	41,060		Total	4,633	24	8,344	13,001
	3 Forestry and fishery products	33		8	41		58 Miscellaneous electrical machinery and supplies	167	5	241	413
	9+10 Nonmetallic minerals mining	33	39	19	91		62 Scientific and controlling instruments	1,313	5	1,682	3,000
	17 Miscellaneous textile goods and floor coverings	129	1	46	176		63 Ophthalmic and photographic equipment	3,140	14	6,421	9,575
	24 Paper and allied products, except containers	8,946	303	4,060	13,309		81 Scrap, used and secondhand goods	13			13
	25 Paperboard containers and boxes	381		262	643	<b>47</b>	<b>Physicians (s.):</b>				
	26B Other printing and publishing	12		4	16		Total	166,429			166,429
	27A Industrial and other chemicals	239	42	138	419		77A Health services	166,429			166,429
	27B Agricultural fertilizers and chemicals	920	48	690	1,658	<b>48</b>	<b>Dentists (s.):</b>				
	29B Cleaning and toilet preparations	10,728	757	6,010	17,495		Total	37,636			37,636
	30 Paints and allied products	480	32	226	738		77A Health services	37,636			37,636
	32 Rubber and miscellaneous plastics products	322	15	133	470	<b>49</b>	<b>Other professional medical services (s.):</b>				
	36 Stone and clay products	374	39	192	605		Total	85,216			85,216
	42 Other fabricated metal products	551	2	193	746		65A Railroads and related services; passenger ground transportation	2,507			2,507
	53 Electrical industrial equipment and apparatus	87	2	93	182		73C Other business and professional services, except medical	1,042			1,042
	55 Electric lighting and wiring equipment	939	22	1,357	2,318		77A Health services	81,667			81,667
	58 Miscellaneous electrical machinery and supplies	740	24	612	1,376	<b>52</b>	<b>Nonprofit hospitals (s.):</b>				
	64 Miscellaneous manufacturing	299	41	437	777		Total	184,823			184,823
							77A Health services	184,823			184,823
<b>35</b>	<b>Stationery and writing supplies (n.d.):</b>					<b>53</b>	<b>Proprietary hospitals (s.):</b>				
	Total	6,043	409	8,398	14,850		Total	30,345			30,345
	24 Paper and allied products, except containers	601	14	597	1,212		77A Health services	30,345			30,345
	26B Other printing and publishing	4,312	271	5,960	10,543	<b>54</b>	<b>Government hospitals (s.):</b>				
	27A Industrial and other chemicals	573	120	717	1,410		Total	55,154			55,154
	32 Rubber and miscellaneous plastics products	4		7	11		77A Health services	55,154			55,154
	64 Miscellaneous manufacturing	550	4	1,109	1,663						
	81 Scrap, used and secondhand goods	3		8	11						
<b>37</b>	<b>Electricity (s.):</b>										
	Total	79,337			79,337						
	68A Electric services (utilities)	79,337			79,337						
<b>38</b>	<b>Gas (s.):</b>										
	Total	29,537			29,537						
	68B Gas production and distribution (utilities)	29,537			29,537						



**Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992**  
**I-O Accounts—Continued**

[Millions of dollars]

NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
55	<b>Nursing homes (s.):</b>						59B Truck and bus bodies, trailers, and motor vehicles parts	4,277	132	3,318	7,727
	Total	50,166			50,166		81 Scrap, used and secondhand goods	-557	-29	542	-44
56	<b>Health insurance (s.):</b>					74	<b>Repair, greasing, washing, parking, storage, rental and leasing (s.):</b>				
	Total	43,224			43,224		Total	90,128		165	90,293
61	<b>Brokerage charges and investment counseling (s.):</b>						75 Automotive repair and services	90,099		165	90,264
	Total	28,719			28,719		76 Amusements	6			6
62	<b>Bank service charges, trust services, and safe deposit box rental (s.):</b>					75	<b>Gasoline and oil (n.d.):</b>				
	Total	30,934			30,934		Total	47,638	2,737	54,505	104,880
63	<b>Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (s.):</b>						31 Petroleum refining and related products	47,638	2,737	54,505	104,880
	Total	137,479			137,479		76 <b>Bridge, tunnel, ferry, and road tolls (s.):</b>				
64	<b>Expense of handling life insurance (s.):</b>						Total	2,839			2,839
	Total	69,380			69,380		79 State and local government enterprises	2,839			2,839
65	<b>Legal services (s.):</b>					77	<b>Motor vehicle insurance (s.):</b>				
	Total	44,864			44,864		Total	25,728			25,728
66	<b>Funeral and burial expenses (s.):</b>					79	<b>Mass transit systems (s.):</b>				
	Total	9,994	24	944	10,962		Total	6,463			6,463
67	<b>Other personal business (s.):</b>					80	<b>Taxicab (s.):</b>				
	Total	18,891			18,891		Total	2,586			2,586
70	<b>New autos (d.):</b>					82	<b>Railway (s.):</b>				
	Total	64,878	1,748	11,390	78,016		Total	647			647
71	<b>Net purchases of used autos (d.):</b>					83	<b>Bus (s.):</b>				
	Total	17,223		13,954	31,177		Total	1,595			1,595
72	<b>Other motor vehicles (d.):</b>					84	<b>Airline (s.):</b>				
	Total	47,383	1,112	12,028	60,523		Total	21,281			21,281
73	<b>Tires, tubes, accessories, and other parts (d.):</b>					85	<b>Other intercity transportation (s.):</b>				
	Total	13,063	2,756	14,704	30,523		Total	3,592			3,592
74	<b>Health insurance (s.):</b>					87	<b>Books and maps (d.):</b>				
	Total	43,224			43,224		Total	9,795	363	6,990	17,148
61	<b>Brokerage charges and investment counseling (s.):</b>						26B Other printing and publishing	9,778	363	6,768	16,909
	Total	28,719			28,719		69B Retail trade	21			21
62	<b>Bank service charges, trust services, and safe deposit box rental (s.):</b>						81 Scrap, used and secondhand goods	-4		222	218
	Total	30,934			30,934		88 <b>Magazines, newspapers, and sheet music (n.d.):</b>				
63	<b>Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (s.):</b>						Total	14,755	772	6,432	21,959
	Total	137,479			137,479		26A Newspapers and periodicals	14,339	653	6,018	21,010
64	<b>Expense of handling life insurance (s.):</b>						26B Other printing and publishing	711	119	406	1,236
	Total	69,380			69,380		81 Scrap, used and secondhand goods	-295		8	-287
65	<b>Legal services (s.):</b>					89	<b>Nondurable toys and sport supplies (n.d.):</b>				
	Total	44,864			44,864		Total	18,158	371	17,994	36,523
66	<b>Funeral and burial expenses (s.):</b>						1 Livestock and livestock products	218	11	137	366
	Total	9,994	24	944	10,962		3 Forestry and fishery products	754		398	1,152
67	<b>Other personal business (s.):</b>						13 Ordnance and accessories	599	6	371	976
	Total	18,891			18,891		17 Miscellaneous textile goods and floor coverings				
70	<b>New autos (d.):</b>						24 Paper and allied products, except containers	63	2	62	127
	Total	64,878	1,748	11,390	78,016		26B Other printing and publishing	131	13	122	266
71	<b>Net purchases of used autos (d.):</b>						27A Industrial and other chemicals	102		65	167
	Total	17,223		13,954	31,177		32 Rubber and miscellaneous plastics products	345	63	287	695
72	<b>Other motor vehicles (d.):</b>						53 Electrical industrial equipment and apparatus	123	5	117	245
	Total	47,383	1,112	12,028	60,523		55 Electric lighting and wiring equipment	11		6	17
73	<b>Tires, tubes, accessories, and other parts (d.):</b>						58 Miscellaneous electrical machinery and supplies	53	1	52	106
	Total	13,063	2,756	14,704	30,523			349	4	295	648

**Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992**  
**I-O Accounts—Continued**  
 (Millions of dollars)

NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
	63 Ophthalmic and photographic equipment ....	1,923	14	1,606	3,543		65A Railroads and related services; passenger ground transportation .....	2,181			2,181
	64 Miscellaneous manufacturing .....	13,472	252	14,465	28,189		65C Water transportation .....	1,373			1,373
	72B Personal and repair services (except auto) .....	15		8	23		65D Air transportation .....	91			91
	81 Scrap, used and secondhand goods .....			3	3		70B Insurance .....	2			2
<b>90</b>	<b>Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.):</b>						73C Other business and professional services, except medical .....	64			64
	Total .....	17,347	217	12,528	30,092		76 Amusements .....	26,023			26,023
	13 Ordnance and accessories .....	874		652	1,526		77B Educational and social services, and membership organizations .....	151			151
	19 Miscellaneous fabricated textile products ....	625	7	471	1,103	<b>100</b>	<b>Pari-mutuel net receipts (s.):</b>				
	32 Rubber and miscellaneous plastics products	128	49	149	326		Total .....	3,366			3,366
	33+34 Footwear, leather, and leather products	306	13	253	572		76 Amusements .....	3,366			3,366
	42 Other fabricated metal products .....	356	10	263	629	<b>101</b>	<b>Other recreational expenditures (s.):</b>				
	43 Engines and turbines .....	169	3	45	217		Total .....	74,579	69	1,454	76,102
	58 Miscellaneous electrical machinery and supplies .....	31		7	38		1 Livestock and livestock products .....	1,410	68	538	2,016
	60 Aircraft and parts .....	465	1	57	523		3 Forestry and fishery products .....	1,412	1	49	1,462
	61 Other transportation equipment .....	7,132	67	2,873	10,072		4 Agricultural, forestry, and fishery services ....	729			729
	62 Scientific and controlling instruments .....	159	1	60	220		66 Communications, except radio and TV .....	19,883			19,883
	63 Ophthalmic and photographic equipment ....	1,177	9	992	2,178		67 Radio and TV broadcasting .....	1,839			1,839
	64 Miscellaneous manufacturing .....	4,992	57	5,760	10,809		72A Hotels and lodging places .....	3,496			3,496
	73C Other business and professional services, except medical .....	666		414	1,080		72B Personal and repair services (except auto)	5,318			5,318
	81 Scrap, used and secondhand goods .....	267		532	799		73A Computer and data processing services ...	307			307
							73C Other business and professional services, except medical .....	5,520		400	5,920
<b>91</b>	<b>Video and audio products, computing equipment, and musical instruments (d.):</b>						76 Amusements .....	18,734			18,734
	Total .....	33,796	387	22,857	57,040		77A Health services .....	5,108			5,108
	33+34 Footwear, leather, and leather products	30		21	51		77B Educational and social services, and membership organizations .....	982			982
	51 Computer and office equipment .....	5,100	60	3,612	8,772		79 State and local government enterprises ....	9,783			9,783
	56 Audio, video, and communication equipment .....	19,643	282	12,908	32,833		81 Scrap, used and secondhand goods .....	58		467	525
	57 Electronic components and accessories .....	211		111	322	<b>103</b>	<b>Higher education (s.):</b>				
	58 Miscellaneous electrical machinery and supplies .....	1,044	22	620	1,686		Total .....	52,428			52,428
	64 Miscellaneous manufacturing .....	867	20	807	1,694		77B Educational and social services, and membership organizations .....	52,428			52,428
	71B Real estate and royalties .....	3,200		1,994	5,194	<b>104</b>	<b>Nursery, elementary, and secondary schools (s.):</b>				
	73A Computer and data processing services ...	2,137	2	825	2,964		Total .....	23,311			23,311
	76 Amusements .....	1,368	1	1,552	2,921		77B Educational and social services, and membership organizations .....	23,311			23,311
	81 Scrap, used and secondhand goods .....	196		407	603	<b>105</b>	<b>Other private education and research (s.):</b>				
							Total .....	20,738			20,738
<b>92</b>	<b>Radio and television repair (s.):</b>						76 Amusements .....	712			712
	Total .....	3,438			3,438		77B Educational and social services, and membership organizations .....	20,026			20,026
	72B Personal and repair services (except auto)	3,064			3,064	<b>106</b>	<b>Religious and welfare activities (s.):</b>				
	73C Other business and professional services, except medical .....	374			374		Total .....	112,314			112,314
							77B Educational and social services, and membership organizations .....	112,314			112,314
<b>93</b>	<b>Flowers, seeds, and potted plants (n.d.):</b>						<b>108</b>	<b>Foreign travel by U.S. residents (s.):</b>			
	Total .....	4,541	537	6,883	11,961		Total .....	45,943			45,943
	2 Other agricultural products .....	4,248	537	6,883	11,668		65C Water transportation .....	3,243			3,243
	73C Other business and professional services, except medical .....	293			293		65D Air transportation .....	12,377			12,377
							80 Noncomparable imports .....	30,323			30,323
<b>95</b>	<b>Motion picture theaters (s.):</b>						<b>109</b>	<b>Expenditures abroad by U.S. residents (n.d.):</b>			
	Total .....	4,939			4,939		Total .....	2,570			2,570
	65D Air transportation .....	3			3		80 Noncomparable imports .....	2,570			2,570
	76 Amusements .....	4,808			4,808	<b>110</b>	<b>Expenditures in the United States by nonresidents (s.):</b>				
	77B Educational and social services, and membership organizations .....	128			128		Total .....	-64,871			-64,871
							83 Rest of the world adjustment to final uses	-64,871			-64,871
<b>96</b>	<b>Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.):</b>						<b>111</b>	<b>Personal remittances in kind to nonresidents (n.d.):</b>			
	Total .....	6,037			6,037		Total .....	-1,610			-1,610
	76 Amusements .....	5,854			5,854		83 Rest of the world adjustment to final uses	-1,610			-1,610
	77B Educational and social services, and membership organizations .....	183			183						
<b>97</b>	<b>Spectator sports (s.):</b>						<b>Total personal consumption expenditures .....</b>	<b>3,551,945</b>	<b>27,193</b>	<b>629,580</b>	<b>4,208,718</b>
	Total .....	5,131			5,131		<b>Total durable commodities (d.) .....</b>	<b>282,064</b>	<b>8,239</b>	<b>180,476</b>	<b>470,779</b>
	76 Amusements .....	2,838			2,838		<b>Total nondurable commodities (n.d.) .....</b>	<b>855,509</b>	<b>18,861</b>	<b>446,541</b>	<b>1,320,911</b>
	77B Educational and social services, and membership organizations .....	2,293			2,293		<b>Total services (s.) .....</b>	<b>2,414,372</b>	<b>93</b>	<b>2,563</b>	<b>2,417,028</b>
<b>98</b>	<b>Clubs and fraternal organizations (s.):</b>										
	Total .....	10,667			10,667						
	76 Amusements .....	7,774			7,774						
	77B Educational and social services, and membership organizations .....	2,893			2,893						
<b>99</b>	<b>Commercial participant amusements (s.):</b>										
	Total .....	29,885			29,885						

1. The NIPA category refers to the line number associated with the PCE category in NIPA table 2.4.

**Table E.—Input-Output Commodity Composition of NIPA Producers' Durable Equipment Expenditure Categories, in Producers' and Purchasers' Prices, 1992 I-O Accounts**

[Millions of dollars]

NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	
5	<b>Computers and peripheral equipment:</b>					50	Miscellaneous machinery, except electrical ...	120	1	56	177	
	Total .....	36,139	390	7,051	43,580		73B Legal, engineering, accounting, and related services .....	1,127			1,127	
	51 Computer and office equipment .....	32,698	390	7,051	40,139		81 Scrap, used and secondhand goods .....	-26		901	875	
6	<b>Office equipment except computers:</b>					16	<b>Electrical transmission, distribution, and industrial apparatus:</b>					
	Total .....	4,360	63	1,227	6,150		Total .....	13,084	250	1,516	14,850	
	50 Miscellaneous machinery, except electrical ...	539	13	34	586		47 Metalworking machinery and equipment .....	1,001	36	163	1,200	
	51 Computer and office equipment .....	3,317	50	1,260	4,627		53 Electrical industrial equipment and apparatus .....	6,826	187	1,078	8,091	
	73B Legal, engineering, accounting, and related services .....	451			451		62 Scientific and controlling instruments .....	4,256	27	275	4,558	
81 Scrap, used and secondhand goods .....	53		433	486	73B Legal, engineering, accounting, and related services .....	1,001				1,001		
7	<b>Communication equipment:</b>					18	<b>Trucks, buses, and truck trailers:</b>					
	Total .....	43,664	253	3,889	47,806		Total .....	31,253	823	4,079	36,155	
	13 Ordnance and accessories .....	29			29		59A Motor vehicles (passenger cars and trucks) .....	27,995	758	3,236	31,989	
	38 Primary nonferrous metals manufacturing .....	52	1	8	61		59B Truck and bus bodies, trailers, and motor vehicles parts .....	4,981	65	361	5,407	
	51 Computer and office equipment .....	154	1	20	175		81 Scrap, used and secondhand goods .....	-1,723		482	-1,241	
	56 Audio, video, and communication equipment .....	24,445	175	3,098	27,718		19	<b>Autos:</b>				
	58 Miscellaneous electrical machinery and supplies .....	1,304	15	280	1,599			Total .....	24,685	1,270	6,074	32,029
	62 Scientific and controlling instruments .....	9,693	61	483	10,237			59A Motor vehicles (passenger cars and trucks) .....	47,137	1,270	5,680	54,087
66 Communications, except radio and TV .....	5,065			5,065	81 Scrap, used and secondhand goods .....	-22,452			394	-22,058		
73B Legal, engineering, accounting, and related services .....	2,905			2,905	20	<b>Aircraft:</b>						
81 Scrap, used and secondhand goods .....	17			17		Total .....	13,536	43	142	13,721		
8	<b>Instruments:</b>						22+23 Furniture and fixtures .....	214	3	10	227	
	Total .....	22,759	113	3,691		26,563	60 Aircraft and parts .....	13,676	33	90	13,799	
	62 Scientific and controlling instruments .....	21,462	113	3,691	25,266	62 Scientific and controlling instruments .....	695	7	42	744		
	73B Legal, engineering, accounting, and related services .....	1,269			1,269	81 Scrap, used and secondhand goods .....	-1,049			-1,049		
81 Scrap, used and secondhand goods .....	28			28	21	<b>Ships and boats:</b>						
9	<b>Photocopy and related equipment:</b>						Total .....	1,116	2	59	1,177	
	Total .....	9,277	58	3,236		12,571	61 Other transportation equipment .....	1,085	2	42	1,129	
	62 Scientific and controlling instruments .....	1,406	5	123	1,534	81 Scrap, used and secondhand goods .....	31		17	48		
63 Ophthalmic and photographic equipment .....	6,915	53	3,113	10,081	22	<b>Railroad equipment:</b>						
73B Legal, engineering, accounting, and related services .....	904			904		Total .....	2,858	43	109	3,010		
81 Scrap, used and secondhand goods .....	52			52		61 Other transportation equipment .....	2,648	43	20	2,711		
11	<b>Fabricated metal products:</b>					73B Legal, engineering, accounting, and related services .....	206			206		
	Total .....	8,629	155	815	9,599	81 Scrap, used and secondhand goods .....	4		89	93		
	5+6 Metallic ores mining .....	50	20	1	71	24	<b>Furniture and fixtures:</b>					
	27A Industrial and other chemicals .....	1,957			1,957		Total .....	17,016	179	4,081	21,276	
	37 Primary iron and steel manufacturing .....	16			16		22+23 Furniture and fixtures .....	15,686	179	3,862	19,727	
	39 Metal containers .....	38	1	3	42	73B Legal, engineering, accounting, and related services .....	1,402			1,402		
	40 Heating, plumbing, and fabricated structural metal products .....	3,612	26	387	4,025	81 Scrap, used and secondhand goods .....	-72		219	147		
	42 Other fabricated metal products .....	2,388	108	424	2,920	25	<b>Tractors:</b>					
	46 Materials handling machinery and equipment .....	5			5		Total .....	4,188	183	2,355	6,726	
	73B Legal, engineering, accounting, and related services .....	563			563		44+45 Farm, construction, and mining machinery .....	4,249	183	2,149	6,581	
12	<b>Engines and turbines:</b>					81 Scrap, used and secondhand goods .....	-61		206	145		
	Total .....	3,540	48	75	3,663	26	<b>Agricultural machinery, except tractors:</b>					
	43 Engines and turbines .....	3,271	48	75	3,394		Total .....	4,850	211	2,071	7,132	
73B Legal, engineering, accounting, and related services .....	269			269	44+45 Farm, construction, and mining machinery .....		4,430	211	1,445	6,086		
13	<b>Metalworking machinery:</b>					73B Legal, engineering, accounting, and related services .....	412			412		
	Total .....	17,733	302	2,466	20,501	81 Scrap, used and secondhand goods .....	8		626	634		
	47 Metalworking machinery and equipment .....	16,651	302	2,466	19,419	27	<b>Construction machinery, except tractors:</b>					
	73B Legal, engineering, accounting, and related services .....	1,135			1,135		Total .....	6,385	415	1,642	8,442	
81 Scrap, used and secondhand goods .....	-53			-53	44+45 Farm, construction, and mining machinery .....		5,996	415	1,227	7,638		
14	<b>Special industry machinery, n.e.c.:</b>					73B Legal, engineering, accounting, and related services .....	478			478		
	Total .....	19,487	351	2,992	22,830	81 Scrap, used and secondhand goods .....	-89		415	326		
	32 Rubber and miscellaneous plastics products .....	130	6	32	168	28	<b>Mining and oilfield machinery:</b>					
	42 Other fabricated metal products .....	27		10	37		Total .....	909	38	350	1,297	
	48 Special industry machinery and equipment ...	16,820	332	2,433	19,585		8 Crude petroleum and natural gas .....	23			23	
	49 General industrial machinery and equipment .....	1,029	11	124	1,164	44+45 Farm, construction, and mining machinery .....	792	38	178	1,008		
	52 Service industry machinery .....	1			1	49 General industrial machinery and equipment .....	21		3	24		
	58 Miscellaneous electrical machinery and supplies .....	95	2	20	117	73B Legal, engineering, accounting, and related services .....	72			72		
	73B Legal, engineering, accounting, and related services .....	1,379			1,379	81 Scrap, used and secondhand goods .....	1		169	170		
81 Scrap, used and secondhand goods .....	6		373	379	29	<b>Service industry machinery:</b>						
15	<b>General industrial, including materials handling, equipment:</b>						Total .....	8,116	113	1,879	10,108	
	Total .....	17,244	332	3,356		20,932	50 Miscellaneous machinery, except electrical ...	41	1	1	43	
	44+45 Farm, construction, and mining machinery .....	35	2	7	44							
46 Materials handling machinery and equipment .....	5,738	184	1,298	7,220								
49 General industrial machinery and equipment .....	10,250	145	1,094	11,489								

**Table E.—Input-Output Commodity Composition of NIPA Producers' Durable Equipment Expenditure Categories, in Producers' and Purchasers' Prices, 1992 I-O Accounts—Continued**

(Millions of dollars)

NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category <sup>1</sup>	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	
30	52 Service industry machinery .....	7,375	112	1,878	9,365	32	61 Other transportation equipment .....	1,008	45	296	1,349	
	73B Legal, engineering, accounting, and related services .....	673	.....	.....	673		64 Miscellaneous manufacturing .....	5,365	596	1,673	7,634	
	81 Scrap, used and secondhand goods .....	27	.....	.....	27		73B Legal, engineering, accounting, and related services .....	857	.....	.....	857	
	<b>Electrical equipment, n.e.c.:</b>						81 Scrap, used and secondhand goods .....	-93	.....	.....	-93	
	Total .....	8,102	90	1,225	9,417		<b>Sale of equipment scrap, excluding autos:</b>					
	54 Household appliances .....	374	13	25	412		Total .....	-2,006	.....	.....	-2,006	
	55 Electric lighting and wiring equipment .....	283	7	66	356		81 Scrap, used and secondhand goods .....	-2,006	.....	.....	-2,006	
	58 Miscellaneous electrical machinery and supplies .....	659	25	97	781		33	<b>Residential (landlord durables):</b>				
	62 Scientific and controlling instruments .....	6,125	45	1,037	7,207			Total .....	3,760	164	1,997	5,921
	73B Legal, engineering, accounting, and related services .....	682	.....	.....	682			17 Miscellaneous textile goods and floor coverings .....	1,192	54	457	1,703
81 Scrap, used and secondhand goods .....	-21	.....	.....	-21	22+23 Furniture and fixtures .....	191		.....	58	249		
<b>Other nonresidential equipment:</b>					32 Rubber and miscellaneous plastics products .....	15		1	8	24		
Total .....	10,660	763	4,122	15,545	54 Household appliances .....	2,294	108	1,450	3,852			
17 Miscellaneous textile goods and floor coverings .....	1,151	53	438	1,642	56 Audio, video, and communication equipment .....	68	1	24	93			
20+21 Lumber and wood products .....	1	.....	.....	1	<b>Total producers durable equipment .....</b>	<b>331,344</b>	<b>6,652</b>	<b>60,999</b>	<b>398,995</b>			
32 Rubber and miscellaneous plastics products .....	70	3	12	85	<b>Total nonresidential equipment .....</b>	<b>327,584</b>	<b>6,488</b>	<b>59,002</b>	<b>393,074</b>			
44+45 Farm, construction, and mining machinery .....	2,301	66	1,703	4,070	<b>Total residential equipment .....</b>	<b>3,760</b>	<b>164</b>	<b>1,997</b>	<b>5,921</b>			

1. The NIPA category refers to the corresponding line number associated with the PDE category in NIPA table 5.8.

Text continues from page 47.

steel sheet, strip, and bars (commodity 37.0104); steel pipe and tubes (commodity 37.0105); secondary nonferrous metals (commodity 38.0600); copper foundries (commodity 38.1200); nonferrous castings, n.e.c. (commodity 38.1300); Federal electric utilities (78.0200); State and local government passenger transit (commodity 79.0100); and State and local government electric utilities (commodity 79.0200).

**Definitions and conventions for valuation of transactions**

This section describes the underlying definitions and conventions for valuation that are used in preparing the estimates of transactions in commodities. It also describes the valuation used in wholesale trade, retail trade, imports of goods and services, exports of goods and services, and the change in business inventories.

Transactions in commodities are valued at producers' prices in the I-O accounts. These prices exclude distribution costs (wholesale and retail trade margins and transportation costs), but they include excise taxes collected and remitted by producers. Transportation costs and trade margins are shown as separate purchases by the users of the commodities. The sum of the producers' value, transportation costs, and trade margins equals the purchasers' value. Thus, the flows of commodities for resale to and from wholesale

trade and retail trade are not shown. If trade were shown as buying and reselling commodities, industrial and final users would make most of their purchases from a single source—trade.

To show the relationship between the production of commodities and their purchase by intermediate and final users, commodities are shown as if they move directly to users. Wholesale and retail trade margins on commodities are shown as purchases by users and are included in the trade rows of use table 2.1 (rows 69A and 69B). Transportation costs are the freight charges paid to move the commodity from the producer to the intermediate user or the final user. All transportation costs are shown as a purchase by users, and are included in the transportation rows of the use table (rows 65A-E and 68B).

Wholesale trade has one primary product—distributive services for the sales of goods to retailers, intermediate users, and final users. Distributive services provided by wholesalers include merchandise handling, stocking, selling, and billing. Wholesale trade output consists of trade margins and nonmargin output; both exclude the cost of resales. They are included in the wholesale trade row of use table 2.1 (row 69A).

The trade margin output occurs when an establishment buys and resells the good. It is measured in two parts. For merchant wholesalers and agents and brokers (on their own account), the trade margin is measured as wholesale sales less the cost of goods sold plus taxes collected by the distributor. For manufacturers' sales branches, it

is measured as expenses plus taxes collected by the sales branches.

Nonmargin output occurs when the wholesale trade service is purchased separately from the commodity, such as when a wholesaler acts as a broker between buyer and seller. It is measured as the sum of the expenses on goods sold by manufacturers' sales offices, commissions on goods sold by agents and brokers, and customs duties. Customs duties are considered to be taxes collected by wholesalers and are included in output.

*Retail trade* has one primary product—distributive services for the sale of goods. Its output consists of the retail trade margins, which are measured as retail sales less the cost of goods sold plus the taxes collected by retail trade establishments. All retail trade margins are included in the retail trade row of use [table 2.1](#) (row 69B).

Retail trade margins apply primarily to purchases by persons. However, some retail trade margin is applied to purchases by business and government; for example, retail trade margins are applied to some purchases of personal computers by business for gross private fixed investment; retail trade margins also are applied to some intermediate purchases by business, for example, office supplies and gasoline.

*Imports of goods and services*, a component of final uses, are measured by commodity at domestic port values. The domestic port value of an import commodity is considered to be equivalent to the producers' price of a domestically produced commodity. Adjustments to convert the commodity imports of goods to foreign port value are included in the imports of transportation and wholesale trade. For example, the imports of apparel (row 18, column 95) in [table 2.1](#) is  $-\$38.5$  billion, the value of imports at the port of entry to the United States. This value consists of a foreign port value of  $-\$31.8$  billion, vessel charges of  $-\$0.7$  billion, air charges of  $-\$0.9$  billion, and customs duty of  $-\$5.1$  billion. The vessel and air charges are subtracted from the transportation rows (rows 65C and 65D, column 95) to be netted against balance of payments estimates of the total imports of transportation services. The duty is subtracted from the wholesale trade row (row 69A, column 95). The net result of including domestic port value in the commodity row and subtracting the transportation charges and duty in the transportation and wholesale rows is the foreign port value for the import.

Imports of services are valued at producers' prices. There are no margins or transport costs associated with services.

Imports also include a special category referred to as "noncomparable imports." Noncomparable imports consist of goods purchased by U.S. residents abroad and of service imports with no domestic counterparts, such as port expenditures by U.S. airlines in other countries. These imports are distributed directly to industries and final users and are shown as noncomparable imports in use [table 2.1](#) (row 80). All other imports are assumed either to be consumed within the U.S. boundaries or to have domestic equivalents.

In past benchmarks, noncomparable imports also included domestically consumed imported goods, such as bananas and coffee, that had no significant domestic counterparts. However, most imported goods now have domestic counterparts, so the 1992 benchmark I-O accounts do not include domestically consumed imports of goods in this category.

*Exports of goods and services*, a component of final uses, are measured by commodity at producers' prices—the same as other domestically produced commodities. Transportation and trade commodities, which are required to move exports from the producer to the port of exit, are included in the transportation and trade rows of use [table 2.1](#). For example, exports of computer and office equipment are  $\$22.9$  billion (row 51, column 94), which represents the value of the computer and office equipment in producers' prices. The transportation costs,  $\$0.2$  billion, and the trade margins,  $\$3.7$  billion (row 51 and under the column exports of goods and services in [table C](#)), required to move the exports of computers and office equipment from producer to the

**Table F.—Relationship of Exports and Imports in the Input-Output Accounts to the National Income and Product Accounts, 1992**

	Total	Goods	Services
<b>Exports, NIPA's</b> .....	<b>639,416</b>	<b>448,671</b>	<b>190,745</b>
Less: U.S. merchandise returned .....	11,817	11,817	.....
Reexports .....	22,392	22,392	.....
Foreign-to-foreign transactions .....	582	.....	582
Statistical differences, I-O <sup>1</sup> .....	2,015	.....	2,015
<b>Equals: Exports, I-O</b> .....	<b>602,610</b>	<b>414,462</b>	<b>188,148</b>
<b>Imports, NIPA's</b> .....	<b>668,959</b>	<b>544,855</b>	<b>124,104</b>
Less: U.S. merchandise returned .....	11,817	11,817	.....
Reexports .....	22,392	22,392	.....
Foreign-to-foreign transactions .....	582	.....	582
Statistical differences, I-O <sup>1</sup> .....	2,531	.....	2,531
<b>Equals: Imports, I-O</b> .....	<b>631,637</b>	<b>510,646</b>	<b>120,991</b>
Net exports, NIPA's .....	-29,543	-96,184	66,641
Net exports, I-O .....	-29,027	-96,184	67,157

1. Consist of statistical revisions in the BPA's that have not yet been incorporated in the NIPA's.  
NIPA National income and product accounts  
I-O Input-output accounts

port of exit are included in the rows for transportation (rows 65A–E and 68B) and for trade (rows 69A and 69B) in [table 2.1](#).


*Change in business inventories*, another component of final uses, is measured by commodity at the book-value change reported by industries in the economic censuses. The inventory valuation adjustment, which is needed to remove inventory profits or losses from total gross domestic product in the I-O accounts, is shown as a single entry in [table 2.1](#) (row 85, column 93). In the 1992 I-O accounts, the inventory valuation adjustment is –\$8.0 billion.

### Supplementary tables

Four supplementary tables are presented in this article—tables C, D, E, and F. Tables C, D, and E are bridges between the I-O accounts and the NIPA's. They present the I-O commodity composition of NIPA final demand in producers' and purchasers' prices. Specifically, [table C](#) presents the composition of all NIPA final-demand components; [table D](#), the composition of personal consumption expenditures categories shown in

NIPA [table 2.4](#); and [table E](#), the composition of NIPA producers' durable equipment categories shown in NIPA [table 5.8](#).<sup>24</sup>

[Table F](#) presents a reconciliation of the I-O estimates of exports and imports with those in the NIPA's. Both exports and imports are adjusted so that total GDP is unchanged. The adjustments are necessary because the NIPA's—unlike the I-O accounts—include the U.S. merchandise that is returned to the United States from other countries in imports and because the NIPA exports include the foreign merchandise that is reexported from the United States to other countries.<sup>25</sup>

*Appendixes A and B and tables 1, 2.1, and 2.2 follow.* 

24. NIPA tables 2.4 and 5.8 are published annually in the SURVEY, most recently in the [August 1997 issue](#).

25. Returned U.S. merchandise consists of domestically produced goods that were exported for processing, or assembly, or both and then returned to the United States. Reexports consists of the commodities that were previously imported into the United States and then exported from the United States in substantially the same condition as when they were imported. A timing adjustment is made for reexports that entered the country in an earlier year. The I-O accounts measure this value as general imports less imports for consumption, and the value is shown as a transaction between noncomparable imports and inventory change.

## Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts

[The titles in boldface represent the industries used for the summary version of the 1992 tables. An asterisk preceding a Standard Industrial Classification (SIC) code indicates that the SIC industry is included in more than one I-O industry. For a description of the systems used in the I-O accounts, see the section "Definitions and conventions for classification."]

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
<b>AGRICULTURE, FORESTRY, AND FISHERIES</b>			
<b>1 Livestock and livestock products:</b>		11.0603 Access structures for solid mineral development .....	*108, *124, *148
1.0100 Dairy farm products .....	024, *019, *0259, *029	11.0800 Office, industrial, and commercial buildings .....	*15, *17
1.0200 Poultry and eggs .....	0251-3, *0259, *019, *0219, *029	11.0900 Other new construction .....	*15-17
1.0301 Meat animals .....	0211-4, *0219, *019, *0259, *029	<b>12 Maintenance and repair construction:</b>	
1.0302 Miscellaneous livestock .....	0271-3, *0279, *019, *0219, *0259, *029	12.0101 Maintenance and repair of farm and nonfarm residential structures.	*15, *17
<b>2 Other agricultural products:</b>		12.0214 Maintenance and repair of highways and streets .....	*16-17
2.0100 Cotton .....	0131, *019, *0219, *0259, *029	12.0215 Maintenance and repair of petroleum and natural gas wells.	*138
2.0201 Food grains .....	*011, *019, *0219, *0259, *029	12.0300 Other maintenance and repair .....	*15-17
2.0202 Feed grains .....	*011, *0139, *019, *0219, *0259, *029	<b>MANUFACTURING</b>	
2.0203 Grass seeds .....	*0139, *019, *0219, *0259, *029	<b>13 Ordnance and accessories:</b>	
2.0300 Tobacco .....	0132, *019, *0219, *0259, *029	13.0100 Guided missiles and space vehicles .....	3761
2.0401 Fruits .....	0171-2, 0174-5, *0179, *019, *0219, *0259, *029	13.0200 Ammunition, except for small arms, n.e.c. ....	3483
2.0402 Tree nuts .....	0173, *0179, *019, *0219, *0259, *029	13.0300 Tanks and tank components .....	3795
2.0501 Vegetables .....	0134, *0139, 016, *019, *0219, *0259, *029, *0119	13.0500 Small arms .....	3484
2.0502 Sugar crops .....	0133, *019, *0219, *0259, *029	13.0600 Small arms ammunition .....	3482
2.0503 Miscellaneous crops .....	*0119, *0139, *019, *0219, *0259, *029	13.0700 Ordnance and accessories, n.e.c. ....	3489
2.0600 Oil bearing crops .....	0116, *0119, *0139, *0219, *0259, *029	<b>14 Food and kindred products:</b>	
2.0701 Forest products .....	*018, *019, *0219, *0259, *029	14.0101 Meat packing plants .....	2011
2.0702 Greenhouse and nursery products .....	*018, *019, *0219, *0259, *029	14.0102 Sausages and other prepared meat products .....	2013
<b>3 Forestry and fishery products:</b>		14.0105 Poultry slaughtering and processing .....	2015
3.0001 Forestry products .....	081, 083, 097	14.0200 Creamery butter .....	2021
3.0002 Commercial fishing .....	091	14.0300 Natural, processed, and imitation cheese .....	2022
<b>4 Agricultural, forestry, and fishery services:</b>		14.0400 Dry, condensed, and evaporated dairy products .....	2023
4.0001 Agricultural, forestry, and fishery services .....	0254, *0279, 071-2, 075-6, 085, 092	14.0500 Ice cream and frozen desserts .....	2024
4.0002 Landscape and horticultural services .....	078	14.0600 Fluid milk .....	2026
<b>MINING</b>			
<b>5+6 Metallic ores mining:</b>		14.0700 Canned and cured fish and seafoods .....	2091
5.0001 Iron and ferroalloy ores, and miscellaneous metal ores, n.e.c.	101, 106, 1099	14.0800 Canned specialties .....	2032
6.0100 Copper ore .....	102	14.0900 Canned fruits, vegetables, preserves, jams, and jellies.	2033
6.0200 Nonferrous metal ores, except copper .....	103-4, 1094, *108	14.1000 Dehydrated fruits, vegetables, and soups .....	2034
<b>7 Coal mining:</b>		14.1100 Pickles, sauces, and salad dressings .....	2035
7.0000 Coal .....	122-3, *124	14.1200 Prepared fresh or frozen fish and seafoods .....	2092
<b>8 Crude petroleum and natural gas:</b>		14.1301 Frozen fruits, fruit juices, and vegetables .....	2037
8.0001 Crude petroleum and natural gas .....	131-2, *138	14.1302 Frozen specialties, n.e.c. ....	2038
<b>9+10 Nonmetallic minerals mining:</b>		14.1401 Flour and other grain mill products .....	2041
9.0001 Dimension, crushed and broken stone .....	141-2	14.1402 Cereal breakfast foods .....	2043
9.0002 Sand and gravel .....	144	14.1403 Prepared flour mixes and doughs .....	2045
9.0003 Clay, ceramic, and refractory minerals .....	145	14.1501 Dog and cat food .....	2047
9.0004 Nonmetallic mineral services and miscellaneous minerals.	*148, 149	14.1502 Prepared feeds, n.e.c. ....	2048
10.0000 Chemical and fertilizer minerals .....	147	14.1600 Rice milling .....	2044
<b>CONSTRUCTION</b>			
<b>11 New construction:</b>		14.1700 Wet corn milling .....	2046
11.0101 New residential 1-unit structures, nonfarm .....	*15, *17, *6552	14.1801 Bread, cake, and related products .....	2051
11.0102 New residential 2-4 unit structures, nonfarm .....	*15, *17	14.1802 Cookies and crackers .....	2052
11.0105 New residential additions and alterations, nonfarm ...	*15, *17	14.1803 Frozen bakery products, except bread .....	2053
11.0108 New residential garden and high-rise apartments ....	*15, *17, *6552	14.1900 Sugar .....	2061-3
11.0400 Highways and streets .....	*16-17	14.2002 Chocolate and cocoa products .....	2066
11.0501 New farm housing units and additions and alterations.	*15, *17	14.2004 Salted and roasted nuts and seeds .....	2068
11.0601 Petroleum and natural gas well drilling .....	*138	14.2005 Candy and other confectionery products, including chewing gum.	2064, 2067
11.0602 Petroleum, natural gas, and solid mineral exploration	*138, *108, *124, *148	14.2101 Malt beverages .....	2082
		14.2102 Malt .....	2083
		14.2103 Wines, brandy, and brandy spirits .....	2084
		14.2104 Distilled and blended liquors .....	2085
		14.2200 Bottled and canned soft drinks .....	2086
		14.2300 Flavoring extracts and flavoring syrups, n.e.c. ....	2087
		14.2400 Cottonseed oil mills .....	2074
		14.2500 Soybean oil mills .....	2075
		14.2600 Vegetable oil mills, n.e.c. ....	2076
		14.2700 Animal and marine fats and oils .....	2077
		14.2800 Roasted coffee .....	2095
		14.2900 Edible fats and oils, n.e.c. ....	2079
		14.3000 Manufactured ice .....	2097
		14.3100 Macaroni, spaghetti, vermicelli, and noodles .....	2098
		14.3201 Potato chips and similar snacks .....	2096
		14.3202 Food preparations, n.e.c. ....	2099
		<b>15 Tobacco products:</b>	
		15.0101 Cigarettes .....	211
		15.0102 Cigars .....	212
		15.0103 Chewing and smoking tobacco and snuff .....	213
		15.0200 Tobacco stemming and redrying .....	214
		<b>16 Broad and narrow fabrics, yarn and thread mills:</b>	
		16.0100 Broadwoven fabric mills and fabric finishing plants ...	221-3, 2261-2
		16.0200 Narrow fabric mills .....	224
		16.0300 Yarn mills and finishing of textiles, n.e.c. ....	2269, 2281-2
		16.0400 Thread mills .....	2284

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
<b>17 Miscellaneous textile goods and floor coverings:</b>		27.0406 Chemicals and chemical preparations, n.e.c. ....	2899
17.0100 Carpets and rugs .....	227	<b>27B Agricultural fertilizers and chemicals:</b>	
17.0600 Coated fabrics, not rubberized .....	2295	27.0201 Nitrogenous and phosphatic fertilizers .....	2873-4
17.0700 Tire cord and fabrics .....	2296	27.0202 Fertilizers, mixing only .....	2875
17.0900 Cordage and twine .....	2298	27.0300 Pesticides and agricultural chemicals, n.e.c. ....	2879
17.1001 Nonwoven fabrics .....	2297	<b>28 Plastics and synthetic materials:</b>	
17.1100 Textile goods, n.e.c. ....	2299	28.0100 Plastics materials and resins .....	2821
<b>18 Apparel:</b>		28.0200 Synthetic rubber .....	2822
18.0101 Women's hosiery, except socks .....	2251	28.0300 Cellulosic manmade fibers .....	2823
18.0102 Hosiery, n.e.c. ....	2252	28.0400 Manmade organic fibers, except cellulosic .....	2824
18.0201 Knit outerwear mills .....	2253	<b>29A Drugs:</b>	
18.0202 Knit underwear and nightwear mills .....	2254	29.0100 Drugs .....	283
18.0203 Knitting mills, n.e.c. ....	2259	<b>29B Cleaning and toilet preparations:</b>	
18.0300 Knit fabric mills .....	2257-8	29.0201 Soap and other detergents .....	2841
18.0400 Apparel made from purchased materials .....	231-8	29.0202 Polishes and sanitation goods .....	2842
<b>19 Miscellaneous fabricated textile products:</b>		29.0203 Surface active agents .....	2843
19.0100 Curtains and draperies .....	2391	29.0300 Toilet preparations .....	2844
19.0200 Housefurnishings, n.e.c. ....	2392	<b>30 Paints and allied products:</b>	
19.0301 Textile bags .....	2393	30.0000 Paints and allied products .....	285
19.0302 Canvas and related products .....	2394	<b>31 Petroleum refining and related products:</b>	
19.0303 Pleating and stitching .....	2395	31.0101 Petroleum refining .....	291
19.0304 Automotive and apparel trimmings .....	2396	31.0102 Lubricating oils and greases .....	2992
19.0305 Schiffli machine embroideries .....	2397	31.0103 Products of petroleum and coal, n.e.c. ....	2999
19.0306 Fabricated textile products, n.e.c. ....	2399	31.0200 Asphalt paving mixtures and blocks .....	2951
<b>20+21 Lumber and wood products:</b>		31.0300 Asphalt felts and coatings .....	2952
20.0100 Logging .....	241	<b>32 Rubber and miscellaneous plastics products:</b>	
20.0200 Sawmills and planing mills, general .....	2421	32.0100 Tires and inner tubes .....	301
20.0300 Hardwood dimension and flooring mills .....	2426	32.0200 Rubber and plastics footwear .....	302
20.0400 Special product sawmills, n.e.c. ....	2429	32.0300 Fabricated rubber products, n.e.c. ....	306
20.0501 Millwork .....	2431	32.0400 Miscellaneous plastics products, n.e.c. ....	308
20.0502 Wood kitchen cabinets .....	2434	32.0500 Rubber and plastics hose and belting .....	3052
20.0600 Veneer and plywood .....	2435-6	32.0600 Gaskets, packing, and sealing devices .....	3053
20.0701 Structural wood members, n.e.c. ....	2439	<b>33+34 Footwear, leather, and leather products:</b>	
20.0702 Prefabricated wood buildings and components .....	2452	33.0001 Leather tanning and finishing .....	311
20.0703 Mobile homes .....	2451	34.0100 Boot and shoe cut stock and findings .....	313
20.0800 Wood preserving .....	2491	34.0201 Shoes, except rubber .....	3143-4, 3149
20.0901 Wood pallets and skids .....	2448	34.0202 House slippers .....	3142
20.0903 Wood products, n.e.c. ....	2499	34.0301 Leather gloves and mittens .....	315
20.0904 Reconstituted wood products .....	2493	34.0302 Luggage .....	316
21.0000 Wood containers, n.e.c. ....	2441, 2449	34.0303 Women's handbags and purses .....	3171
<b>22+23 Furniture and fixtures:</b>		34.0304 Personal leather goods, n.e.c. ....	3172
22.0101 Wood household furniture, except upholstered .....	2511	34.0305 Leather goods, n.e.c. ....	319
22.0102 Household furniture, n.e.c. ....	2519	<b>35 Glass and glass products:</b>	
22.0103 Wood television and radio cabinets .....	2517	35.0100 Glass and glass products, except containers .....	321, 3229, 323
22.0200 Upholstered household furniture .....	2512	35.0200 Glass containers .....	3221
22.0300 Metal household furniture .....	2514	<b>36 Stone and clay products:</b>	
22.0400 Mattresses and bedsprings .....	2515	36.0100 Cement, hydraulic .....	324
23.0100 Wood office furniture .....	2521	36.0200 Brick and structural clay tile .....	3251
23.0200 Office furniture, except wood .....	2522	36.0300 Ceramic wall and floor tile .....	3253
23.0300 Public building and related furniture .....	253	36.0400 Clay refractories .....	3255
23.0400 Wood partitions and fixtures .....	2541	36.0500 Structural clay products, n.e.c. ....	3259
23.0500 Partitions and fixtures, except wood .....	2542	36.0600 Vitreous china plumbing fixtures .....	3261
23.0600 Drapery hardware and window blinds and shades .....	2591	36.0701 Vitreous china table and kitchenware .....	3262
23.0700 Furniture and fixtures, n.e.c. ....	2599	36.0702 Fine earthenware table and kitchenware .....	3263
<b>24 Paper and allied products, except containers:</b>		36.0800 Porcelain electrical supplies .....	3264
24.0100 Pulp mills .....	261	36.0900 Pottery products, n.e.c. ....	3269
24.0400 Envelopes .....	2677	36.1000 Concrete block and brick .....	3271
24.0500 Sanitary paper products .....	2676	36.1100 Concrete products, except block and brick .....	3272
24.0701 Paper coating and glazing .....	2671-2	36.1200 Ready-mixed concrete .....	3273
24.0702 Bags, except textile .....	2673-4	36.1300 Lime .....	3274
24.0703 Die-cut paper and paperboard and cardboard .....	2675	36.1400 Gypsum products .....	3275
24.0705 Stationery, tablets, and related products .....	2678	36.1500 Cut stone and stone products .....	328
24.0706 Converted paper products, n.e.c. ....	2679	36.1600 Abrasive products .....	3291
24.0800 Paper and paperboard mills .....	262-3	36.1700 Asbestos products .....	3292
<b>25 Paperboard containers and boxes:</b>		36.1900 Minerals, ground or treated .....	3295
25.0000 Paperboard containers and boxes .....	265	36.2000 Mineral wool .....	3296
<b>26A Newspapers and periodicals:</b>		36.2100 Nonclay refractories .....	3297
26.0100 Newspapers .....	271	36.2200 Nonmetallic mineral products, n.e.c. ....	3299
26.0200 Periodicals .....	272	<b>37 Primary iron and steel manufacturing:</b>	
<b>26B Other printing and publishing:</b>		37.0101 Blast furnaces and steel mills .....	3312
26.0301 Book publishing .....	2731	37.0102 Electrometallurgical products, except steel .....	3313
26.0302 Book printing .....	2732	37.0103 Steel wiredrawing and steel nails and spikes .....	3315
26.0400 Miscellaneous publishing .....	274	37.0104 Cold-rolled steel sheet, strip, and bars .....	3316
26.0501 Commercial printing .....	275	37.0105 Steel pipe and tubes .....	3317
26.0601 Manifold business forms .....	276	37.0200 Iron and steel foundries .....	332
26.0602 Blankbooks, looseleaf binders and devices .....	2782	37.0300 Iron and steel forgings .....	3462
26.0700 Greeting cards .....	277	37.0401 Metal heat treating .....	3398
26.0802 Bookbinding and related work .....	2789	37.0402 Primary metal products, n.e.c. ....	3399
26.0803 Typesetting .....	2791	<b>37 Primary iron and steel manufacturing:</b>	
26.0806 Platemaking and related services .....	2796	37.0101 Blast furnaces and steel mills .....	3312
<b>27A Industrial and other chemicals:</b>		37.0102 Electrometallurgical products, except steel .....	3313
27.0100 Industrial inorganic and organic chemicals .....	281, 2865, 2869	37.0103 Steel wiredrawing and steel nails and spikes .....	3315
27.0401 Gum and wood chemicals .....	2861	37.0104 Cold-rolled steel sheet, strip, and bars .....	3316
27.0402 Adhesives and sealants .....	2891	37.0105 Steel pipe and tubes .....	3317
27.0403 Explosives .....	2892	37.0200 Iron and steel foundries .....	332
27.0404 Printing ink .....	2893	37.0300 Iron and steel forgings .....	3462
27.0405 Carbon black .....	2895	37.0401 Metal heat treating .....	3398



## Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
<b>38 Primary nonferrous metals manufacturing:</b>		50.0100 Carburetors, pistons, rings, and valves .....	3592
38.0100 Primary smelting and refining of copper .....	3331	50.0200 Fluid power equipment .....	3593-4
38.0400 Primary aluminum .....	3334	50.0300 Scales and balances, except laboratory .....	3596
38.0501 Primary nonferrous metals, n.e.c. ....	3339	50.0400 Industrial and commercial machinery and equipment, n.e.c. ....	3599
38.0600 Secondary nonferrous metals .....	334	<b>51 Computer and office equipment:</b>	
38.0700 Rolling, drawing, and extruding of copper .....	3351	51.0102 Calculating and accounting machines .....	3578
38.0800 Aluminum rolling and drawing .....	3353-5	51.0103 Electronic computers .....	3571
38.0900 Nonferrous rolling and drawing, n.e.c. ....	3356	51.0104 Computer peripheral equipment .....	3572, 3575, 3577
38.1000 Nonferrous wiredrawing and insulating .....	3357	51.0400 Office machines, n.e.c. ....	3579
38.1100 Aluminum castings .....	3363, 3365	<b>52 Service industry machinery:</b>	
38.1200 Copper foundries .....	3366	52.0100 Automatic vending machines .....	3581
38.1300 Nonferrous castings, n.e.c. ....	3364, 3369	52.0200 Commercial laundry equipment .....	3582
38.1400 Nonferrous forgings .....	3463	52.0300 Refrigeration and heating equipment .....	3585
<b>39 Metal containers:</b>		52.0400 Measuring and dispensing pumps .....	3586
39.0100 Metal cans .....	3411	52.0500 Service industry machinery, n.e.c. ....	3589
39.0200 Metal shipping barrels, drums, kegs, and pails .....	3412	<b>53 Electrical industrial equipment and apparatus:</b>	
<b>40 Heating, plumbing, and fabricated structural metal products:</b>		53.0200 Power, distribution, and specialty transformers .....	3612
40.0100 Enameled iron and metal sanitary ware .....	3431	53.0300 Switchgear and switchboard apparatus .....	3613
40.0200 Plumbing fixture fittings and trim .....	3432	53.0400 Motors and generators .....	3621
40.0300 Heating equipment, except electric and warm air furnaces. ....	3433	53.0500 Relays and industrial controls .....	3625
40.0400 Fabricated structural metal .....	3441	53.0700 Carbon and graphite products .....	3624
40.0500 Metal doors, sash, frames, molding, and trim .....	3442	53.0800 Electrical industrial apparatus, n.e.c. ....	3629
40.0600 Fabricated plate work (boiler shops) .....	3443	<b>54 Household appliances:</b>	
40.0700 Sheet metal work .....	3444	54.0100 Household cooking equipment .....	3631
40.0800 Architectural and ornamental metal work .....	3446	54.0200 Household refrigerators and freezers .....	3632
40.0901 Prefabricated metal buildings and components .....	3448	54.0300 Household laundry equipment .....	3633
40.0902 Miscellaneous structural metal work .....	3449	54.0400 Electric housewares and fans .....	3634
<b>41 Screw machine products and stampings:</b>		54.0500 Household vacuum cleaners .....	3635
41.0100 Screw machine products, bolts, etc .....	345	54.0700 Household appliances, n.e.c. ....	3639
41.0201 Automotive stampings .....	3465	<b>55 Electric lighting and wiring equipment:</b>	
41.0202 Crowns and closures .....	3466	55.0100 Electric lamp bulbs and tubes .....	3641
41.0203 Metal stampings, n.e.c. ....	3469	55.0200 Lighting fixtures and equipment .....	3645-8
<b>42 Other fabricated metal products:</b>		55.0300 Wiring devices .....	3643-4
42.0100 Cutlery .....	3421	<b>56 Audio, video, and communication equipment:</b>	
42.0201 Hand and edge tools, except machine tools and handsaws. ....	3423	56.0100 Household audio and video equipment .....	3651
42.0202 Saw blades and handsaws .....	3425	56.0200 Prerecorded records and tapes .....	3652
42.0300 Hardware, n.e.c. ....	3429	56.0300 Telephone and telegraph apparatus .....	3661
42.0401 Plating and polishing .....	3471	56.0500 Communication equipment .....	3663, 3669
42.0402 Coating, engraving, and allied services, n.e.c. ....	3479	<b>57 Electronic components and accessories:</b>	
42.0500 Miscellaneous fabricated wire products .....	3495-6	57.0100 Electron tubes .....	3671
42.0700 Steel springs, except wire .....	3493	57.0200 Semiconductors and related devices .....	3674
42.0800 Pipe, valves, and pipe fittings .....	3491-2, 3494, 3498	57.0300 Other electronic components .....	3672, 3675-9
42.1000 Metal foil and leaf .....	3497	<b>58 Miscellaneous electrical machinery and supplies:</b>	
42.1100 Fabricated metal products, n.e.c. ....	3499	58.0100 Storage batteries .....	3691
<b>43 Engines and turbines:</b>		58.0200 Primary batteries, dry and wet .....	3692
43.0100 Turbines and turbine generator sets .....	3511	58.0400 Electrical equipment for internal combustion engines .....	3694
43.0200 Internal combustion engines, n.e.c. ....	3519	58.0600 Magnetic and optical recording media .....	3695
<b>44+45 Farm, construction, and mining machinery:</b>		58.0700 Electrical machinery, equipment, and supplies, n.e.c. ....	3699
44.0001 Farm machinery and equipment .....	3523	<b>59A Motor vehicles (passenger cars and trucks):</b>	
44.0002 Lawn and garden equipment .....	3524	59.0301 Motor vehicles and passenger car bodies .....	3711
45.0100 Construction machinery and equipment .....	3531	<b>59B Truck and bus bodies, trailers, and motor vehicles parts:</b>	
45.0200 Mining machinery, except oil field .....	3532	59.0100 Truck and bus bodies .....	3713
45.0300 Oil and gas field machinery and equipment .....	3533	59.0200 Truck trailers .....	3715
<b>46 Materials handling machinery and equipment:</b>		59.0302 Motor vehicle parts and accessories .....	3714
46.0100 Elevators and moving stairways .....	3534	<b>60 Aircraft and parts:</b>	
46.0200 Conveyors and conveying equipment .....	3535	60.0100 Aircraft .....	3721
46.0300 Hoists, cranes, and monorails .....	3536	60.0200 Aircraft and missile engines and engine parts .....	3724, 3764
46.0400 Industrial trucks and tractors .....	3537	60.0400 Aircraft and missile equipment, n.e.c. ....	3728, 3769
<b>47 Metalworking machinery and equipment:</b>		<b>61 Other transportation equipment:</b>	
47.0100 Machine tools, metal cutting types .....	3541	61.0100 Ship building and repairing .....	3731
47.0200 Machine tools, metal forming types .....	3542	61.0200 Boat building and repairing .....	3732
47.0300 Special dies and tools and machine tool accessories .....	3544-5	61.0300 Railroad equipment .....	374
47.0401 Power-driven handtools .....	3546	61.0500 Motorcycles, bicycles, and parts .....	375
47.0402 Rolling mill machinery and equipment .....	3547	61.0601 Travel trailers and campers .....	3792
47.0404 Electric and gas welding and soldering equipment .....	3548	61.0603 Motor homes .....	3716
47.0405 Industrial patterns .....	3543	61.0700 Transportation equipment, n.e.c. ....	3799
47.0500 Metalworking machinery, n.e.c. ....	3549	<b>62 Scientific and controlling instruments:</b>	
<b>48 Special industry machinery and equipment:</b>		62.0101 Search and navigation equipment .....	381
48.0100 Food products machinery .....	3556	62.0102 Laboratory apparatus and furniture .....	3821
48.0200 Textile machinery .....	3552	62.0200 Mechanical measuring devices .....	3823-4, 3829
48.0300 Woodworking machinery .....	3553	62.0300 Environmental controls .....	3822
48.0400 Paper industries machinery .....	3554	62.0400 Surgical and medical instruments and apparatus .....	3841
48.0500 Printing trades machinery and equipment .....	3555	62.0500 Surgical appliances and supplies .....	3842
48.0600 Special industry machinery, n.e.c. ....	3559	62.0600 Dental equipment and supplies .....	3843
<b>49 General industrial machinery and equipment:</b>		62.0700 Watches, clocks, watchcases, and parts .....	387
49.0100 Pumps and compressors .....	3561, 3563	62.0800 X-ray apparatus and tubes .....	3844
49.0200 Ball and roller bearings .....	3562	62.0900 Electromedical and electrotherapeutic apparatus .....	3845
49.0300 Blowers and fans .....	3564	62.1000 Laboratory and optical instruments .....	3826-7
49.0500 Mechanical power transmission equipment .....	3566, 3568	62.1100 Instruments to measure electricity .....	3825
49.0600 Industrial process furnaces and ovens .....	3567		
49.0700 General industrial machinery and equipment, n.e.c. ....	3569		
49.0800 Packaging machinery .....	3565		
<b>50 Miscellaneous machinery, except electrical:</b>			

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
<b>63 Ophthalmic and photographic equipment:</b>		71.0202 Royalties .....	
63.0200 Ophthalmic goods .....	385		
63.0300 Photographic equipment and supplies .....	386		
<b>64 Miscellaneous manufacturing:</b>		<b>SERVICES</b>	
64.0101 Jewelry, precious metal .....	3911	<b>72A Hotels and lodging places:</b>	
64.0102 Jewelers' materials and lapidary work .....	3915	72.0101 Hotels .....	701
64.0104 Silverware and plated ware .....	3914	72.0102 Other lodging places .....	702-4
64.0105 Costume jewelry .....	3961		
64.0200 Musical instruments .....	393	<b>72B Personal and repair services (except auto):</b>	
64.0301 Games, toys, and children's vehicles .....	3944	72.0201 Laundry, cleaning, garment services, and shoe repair .....	721, 725
64.0302 Dolls and stuffed toys .....	3942	72.0202 Funeral service and crematories .....	726
64.0400 Sporting and athletic goods, n.e.c. ....	3949	72.0203 Portrait photographic studios, and other miscellaneous personal services .....	722, 729
64.0501 Pens, mechanical pencils, and parts .....	3951	72.0204 Electrical repair shops .....	762
64.0502 Lead pencils and art goods .....	3952	72.0205 Watch, clock, jewelry, and furniture repair .....	763-4
64.0503 Marking devices .....	3953	72.0300 Beauty and barber shops .....	723-4
64.0504 Carbon paper and inked ribbons .....	3955		
64.0700 Fasteners, buttons, needles, and pins .....	3965	<b>73A Computer and data processing services:</b>	
64.0800 Brooms and brushes .....	3991	73.0104 Computer and data processing services .....	737
64.0900 Hard surface floor coverings, n.e.c. ....	3996		
64.1000 Burial caskets .....	3995	<b>73B Legal, engineering, accounting, and related services:</b>	
64.1100 Signs and advertising specialties .....	3993	73.0301 Legal services .....	81
64.1200 Manufacturing industries, n.e.c. ....	3999	73.0302 Engineering, architectural, and surveying services .....	871
		73.0303 Accounting, auditing, and bookkeeping, and miscellaneous services, n.e.c. ....	872, 89
<b>TRANSPORTATION, COMMUNICATIONS, AND UTILITIES</b>		<b>73C Other business and professional services, except medical:</b>	
<b>65A Railroads and related services; passenger ground transportation:</b>		73.0101 Miscellaneous repair shops .....	769
65.0100 Railroads and related services .....	40, 474	73.0102 Services to dwellings and other buildings .....	734
65.0200 Local and suburban transit and interurban highway passenger transportation.	41	73.0103 Personnel supply services .....	736
		73.0106 Detective and protective services .....	7381-2
<b>65B Motor freight transportation and warehousing:</b>		73.0107 Miscellaneous equipment rental and leasing .....	735
65.0301 Trucking and courier services, except air .....	421, 423	73.0108 Photofinishing labs and commercial photography .....	7335-6, 7384
65.0302 Warehousing and storage .....	422	73.0109 Other business services .....	732, 7331, 7334, 7338, 7383, 7389
		73.0111 Management and consulting services .....	874
<b>65C Water transportation:</b>		73.0112 Testing and research labs .....	8731-2, 8734
65.0400 Water transportation .....	44		
<b>65D Air transportation:</b>		<b>73D Advertising:</b>	
65.0500 Air transportation .....	45	73.0200 Advertising .....	731
<b>65E Pipelines, freight forwarders, and related services:</b>		<b>74 Eating and drinking places:</b>	
65.0600 Pipelines, except natural gas .....	46	74.0000 Eating and drinking places .....	58
65.0701 Freight forwarders and other transportation services .....	473, 478		
65.0702 Arrangement of passenger transportation .....	472	<b>75 Automotive repair and services:</b>	
<b>66 Communications, except radio and TV:</b>		75.0001 Automotive rental and leasing, without drivers .....	751
66.0100 Telephone and telegraph communications, and communications services, n.e.c. ....	481-2, 489	75.0002 Automotive repair shops and services .....	753, 7549
66.0200 Cable and other pay television services .....	484	75.0003 Automobile parking and car washes .....	752, 7542
<b>67 Radio and TV broadcasting:</b>		<b>76 Amusements:</b>	
67.0000 Radio and TV broadcasting .....	483	76.0101 Motion picture services and theaters .....	781-3
<b>68A Electric services (utilities):</b>		76.0102 Video tape rental .....	784
68.0100 Electric services (utilities) .....	491, 4931	76.0201 Theatrical producers (except motion picture), bands, orchestras, and entertainers .....	792
<b>68B Gas production and distribution (utilities):</b>		76.0202 Bowling centers .....	793
68.0201 Natural gas transportation .....	4922, *4923	76.0203 Professional sports clubs and promoters .....	7941
68.0202 Natural gas distribution .....	*4923, 4924, 4925, 4932, 4939	76.0204 Racing, including track operation .....	7948
		76.0205 Physical fitness facilities and membership sports and recreation clubs .....	7991, 7997
<b>68C Water and sanitary services:</b>		76.0206 Other amusement and recreation services .....	791, 7992-3, 7996, 7999
68.0301 Water supply and sewerage systems .....	494, 4952	<b>77A Health services:</b>	
68.0302 Sanitary services, steam supply, and irrigation systems.	4953, 4959, 496-7	77.0100 Doctors and dentists .....	801-3, 8041
		77.0200 Hospitals .....	806
<b>WHOLESALE AND RETAIL TRADE</b>		77.0301 Nursing and personal care facilities .....	805
<b>69A Wholesale trade:</b>		77.0303 Home health care services .....	808
69.0100 Wholesale trade .....	50, 51	77.0304 Veterinary services .....	074
<b>69B Retail trade:</b>		77.0305 Other medical and health services .....	8042, 8043, 8049, 807, 809
69.0200 Retail trade, except eating and drinking .....	52-7, 59		
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>		<b>77B Educational and social services, and membership organizations:</b>	
<b>70A Finance:</b>		77.0401 Elementary and secondary schools .....	821
70.0100 Banking .....	60	77.0402 Colleges, universities, and professional schools .....	822
70.0200 Credit agencies other than banks .....	61, 67 (excl. 6732)	77.0403 Private libraries, vocational schools, and educational services, n.e.c. ....	823-4, 829
70.0300 Security and commodity brokers .....	62	77.0501 Business associations and professional membership organizations .....	861-2
<b>70B Insurance:</b>		77.0502 Labor organizations, civic, social, and fraternal associations .....	863-4
70.0400 Insurance carriers .....	63	77.0503 Religious organizations .....	866
70.0500 Insurance agents, brokers, and services .....	64	77.0504 Other membership organizations .....	84, 865, 869, 8733, 6732
<b>71A Owner-occupied dwellings:</b>		77.0600 Job training and related services .....	833
71.0100 Owner-occupied dwellings .....		77.0700 Child day care services .....	835
<b>71B Real estate and royalties:</b>		77.0800 Residential care .....	836
71.0201 Real estate agents, managers, operators, and lessors.	65 (excl. 6552)	77.0900 Social services, n.e.c. ....	832, 839

## Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
<b>SPECIAL INDUSTRIES</b>			
<b>78 Federal Government enterprises:</b>		<b>81 Scrap, used and secondhand goods:</b>	
78.0100 U.S. Postal Service .....	(1)	81.0001 Scrap .....	(3)
78.0200 Federal electric utilities .....	(1)	81.0002 Used and secondhand goods .....	(3)
78.0500 Other Federal Government enterprises .....	(1)	<b>82 General government industry:</b>	
<b>79 State and local government enterprises:</b>		82.0000 General government industry .....	(4)
79.0100 State and local government passenger transit .....	(1)	<b>83 Rest of the world adjustment to final uses:</b>	
79.0200 State and local government electric utilities .....	(1)	83.0000 Rest of the world adjustment to final uses .....	(5)
79.0300 Other State and local government enterprises .....	(1)	<b>84 Household industry:</b>	
<b>80 Noncomparable imports:</b>		84.0000 Household industry .....	(6)
80.0000 Noncomparable imports .....	(2)	<b>85 Inventory valuation adjustment:</b>	
		85.0000 Inventory valuation adjustment .....	(7)

1. The SIC assigns the same codes to the activities regardless of whether the establishment is owned by private firms and government agencies, but the SIC codes in the I-O accounts are only used for classifying private activities.

2. Noncomparable imports include imported services that are not commercially produced in the United States, and goods and services that are produced abroad and used abroad by U.S. residents—for example, U.S. Federal Government defense spending abroad.

3. Industry output is zero because there is no primary producing industry. Scrap is a secondary product of many industries, and used goods are sales and purchases typically between final uses. The sales are shown as negative values in the use table.

4. Industry output is defined as the compensation of employees and consumption of fixed capital of general government agencies. The compensation of employees engaged in construction work is included in the construction industry.

5. The commodity entries include adjustments among PCE and government expenditures to eliminate counting the expenditures by foreign residents in both exports and PCE or government expenditures.

6. Industry output is defined as the compensation of domestic household workers.

7. The inventory valuation adjustment is an adjustment needed to eliminate inventory profits or losses from the change in inventory component of gross output.

**Appendix B.—Classification of Value Added and Final Uses in the 1992 Benchmark Input-Output Accounts**

[The titles in boldface represent the value added and final use components used for the summary version of the 1992 tables.]

I-O number	I-O title	I-O number	I-O title
	<b>VALUE ADDED</b>		
<b>VA</b>	<b>Total value added</b>	98.00I2	State and local government gross investment, public educational facilities beyond high school
88.0000	Compensation of employees	98.00I3	State and local government gross investment, other education and libraries
89.0000	Indirect business tax and nontax liability	<b>99C</b>	<b>State and local government consumption expenditures, other:</b>
90.0000	Other value added	99.10C1	State and local government consumption expenditures, hospitals and categorical health programs
	<b>FINAL USES</b>	99.10C2	State and local government consumption expenditures, public welfare institutions and activities
<b>91</b>	<b>Personal consumption expenditures:</b>	99.10C4	State and local government consumption expenditures, sanitation
91.0000	Personal consumption expenditures	99.20C1	State and local government consumption expenditures, police
<b>92</b>	<b>Gross private fixed investment:</b>	99.20C2	State and local government consumption expenditures, fire fighting organizations and auxiliary services
92.0000	Gross private fixed investment	99.20C3	State and local government consumption expenditures, correctional institutions
<b>93</b>	<b>Change in business inventories:</b>	99.30C1	State and local government consumption expenditures, public highways (excluding non-capital expenditures of toll roads)
93.0000	Change in business inventories	99.30C8	State and local government consumption expenditures, natural and agricultural resources and recreation facilities
<b>94</b>	<b>Exports of goods and services:</b>	99.30C9	State and local government consumption expenditures, other general government activities n.e.c.
94.0000	Exports of goods and services	<b>99C</b>	<b>State and local government gross investment, other:</b>
<b>95</b>	<b>Imports of goods and services:</b>	99.10I1	State and local government gross investment, hospitals and categorical health programs
95.0000	Imports of goods and services	99.10I2	State and local government gross investment, public welfare institutions and activities
<b>96C</b>	<b>Federal Government consumption expenditures, national defense:</b>	99.10I3	State and local government gross investment, public sewerage systems
96.00C0	Federal Government consumption expenditures, national defense	99.10I4	State and local government gross investment, sanitation
<b>96I</b>	<b>Federal Government gross investment, national defense:</b>	99.20I1	State and local government gross investment, police
96.00I0	Federal Government gross investment, national defense	99.20I2	State and local government gross investment, fire fighting organizations and auxiliary services
<b>97C</b>	<b>Federal Government consumption expenditures, nondefense:</b>	99.20I3	State and local government gross investment, correctional institutions
97.00C0	Federal Government consumption expenditures, nondefense	99.30I1	State and local government gross investment, public highways
<b>97I</b>	<b>Federal Government gross investment, nondefense:</b>	99.30I2	State and local government gross investment, waterports and airports
97.00I0	Federal Government gross investment, nondefense	99.30I3	State and local government gross investment, government-operated transit systems
<b>98C</b>	<b>State and local government consumption expenditures, education:</b>	99.30I4	State and local government gross investment, other commerce activities, n.e.c.
98.00C1	State and local government consumption expenditures, elementary and secondary public school systems	99.30I5	State and local government gross investment, gas and electric utilities
98.00C2	State and local government consumption expenditures, public educational facilities beyond high school	99.30I6	State and local government gross investment, government-operated water supply facilities
98.00C3	State and local government consumption expenditures, other education and libraries	99.30I7	State and local government gross investment, redevelopment projects
<b>98I</b>	<b>State and local government gross investment, education:</b>	99.30I8	State and local government gross investment, natural and agricultural resources and recreation facilities
98.00I1	State and local government gross investment, elementary and secondary public school systems	99.30I9	State and local government gross investment, other general government activities n.e.c.

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry  Commodity number	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction
		1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products .....	89,375		205	503						
2	Other agricultural products .....		104,546	2,047	1,051						
3	Forestry and fishery products .....			9,613							
4	Agricultural, forestry, and fishery services .....				28,251						
5+6	Metallic ores mining .....					10,726					
7	Coal mining .....						8			11	
8	Crude petroleum and natural gas .....						26,907			2	
9+10	Nonmetallic minerals mining .....							97,613			
11	New construction .....									11,720	
12	Maintenance and repair construction .....									456,949	
13	Ordnance and accessories .....										222,381
14	Food and kindred products .....										
15	Tobacco products .....										
16	Broad and narrow fabrics, yarn and thread mills .....										
17	Miscellaneous textile goods and floor coverings .....										
18	Apparel .....										
19	Miscellaneous fabricated textile products .....										
20+21	Lumber and wood products .....										
22+23	Furniture and fixtures .....										
24	Paper and allied products, except containers .....										
25	Paperboard containers and boxes .....										
26A	Newspapers and periodicals .....										
26B	Other printing and publishing .....										
27A	Industrial and other chemicals .....										
27B	Agricultural fertilizers and chemicals .....								10	3	
28	Plastics and synthetic materials .....									1	
29A	Drugs .....										
29B	Cleaning and toilet preparations .....										
30	Paints and allied products .....										
31	Petroleum refining and related products .....									127	
32	Rubber and miscellaneous plastics products .....										
33+34	Footwear, leather, and leather products .....										
35	Glass and glass products .....										
36	Stone and clay products .....						1			419	
37	Primary iron and steel manufacturing .....										
38	Primary nonferrous metals manufacturing .....										
39	Metal containers .....										
40	Heating, plumbing, and fabricated structural metal products .....										
41	Screw machine products and stampings .....										
42	Other fabricated metal products .....										
43	Engines and turbines .....										
44+45	Farm, construction, and mining machinery .....										
46	Materials handling machinery and equipment .....										
47	Metalworking machinery and equipment .....										
48	Special industry machinery and equipment .....										
49	General industrial machinery and equipment .....										
50	Miscellaneous machinery, except electrical .....										
51	Computer and office equipment .....										
52	Service industry machinery .....										
53	Electrical industrial equipment and apparatus .....										
54	Household appliances .....										
55	Electric lighting and wiring equipment .....										
56	Audio, video, and communication equipment .....										
57	Electronic components and accessories .....										
58	Miscellaneous electrical machinery and supplies .....										
59A	Motor vehicles (passenger cars and trucks) .....										
59B	Truck and bus bodies, trailers, and motor vehicles parts .....										
60	Aircraft and parts .....										
61	Other transportation equipment .....										
62	Scientific and controlling instruments .....										
63	Ophthalmic and photographic equipment .....										
64	Miscellaneous manufacturing .....										
65A	Railroads and related services; passenger ground transportation .....										
65B	Motor freight transportation and warehousing .....										
65C	Water transportation .....										
65D	Air transportation .....										
65E	Pipelines, freight forwarders, and related services .....										
66	Communications, except radio and TV .....										
67	Radio and TV broadcasting .....										
68A	Electric services (utilities) .....										
68B	Gas production and distribution (utilities) .....										
68C	Water and sanitary services .....										
69A	Wholesale trade .....										
69B	Retail trade .....										
70A	Finance .....										
70B	Insurance .....										
71A	Owner-occupied dwellings .....										
71B	Real estate and royalties .....										
72A	Hotels and lodging places .....										
72B	Personal and repair services (except auto) .....										
73A	Computer and data processing services .....										
73B	Legal, engineering, accounting, and related services .....										
73C	Other business and professional services, except medical .....										
73D	Advertising .....										
74	Eating and drinking places .....										
75	Automotive repair and services .....										
76	Amusements .....										
77A	Health services .....										
77B	Educational and social services, and membership organizations .....										
78	Federal Government enterprises .....										
79	State and local government enterprises .....										
82	General government industry .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
T	<b>Total commodity output .....</b>	<b>89,375</b>	<b>104,546</b>	<b>11,865</b>	<b>29,805</b>	<b>10,739</b>	<b>26,917</b>	<b>97,623</b>	<b>12,283</b>	<b>456,949</b>	<b>222,381</b>

**by Industries, 1992**  
at producers' prices]

Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Industry number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	
	887						135								1
															2
															3
															4
															5+6
															7
															8
															8
															9+10
															11
															12
21,180															13
	407,209														14
		40,124													15
			37,131	254	226	1,675									16
			37	16,995	6	118	1	1	1						17
			265	34	68,354	314			2						18
			80	48	13	18,650	3	40	26						19
	1						4	161	24						20+21
5							86,328	42,228	11						22+23
		23		239			20	112	96,241	108					24
							36	17	81	31,260					25
											18,942	2,376			26A
											953	78,033			26B
															27A
															27B
															28
															29A
															29B
															30
															31
															32
															33+34
															35
															36
															37
															38
															39
															40
															41
															42
															43
															44+45
															46
															47
															48
															49
															50
															51
															52
															53
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															75
															76
															77A
															77B
															78
															79
															82
															84
															85
22,217	408,757	40,147	37,528	17,983	68,637	21,021	87,127	42,849	98,497	31,743	19,895	81,202	113,359	17,850	T

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry  Commodity number	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
		28	29A	29B	30	31	32	33+34	35	36	37
1	Livestock and livestock products .....										
2	Other agricultural products .....										
3	Forestry and fishery products .....										
4	Agricultural, forestry, and fishery services .....										
5+6	Metallic ores mining .....									2	
7	Coal mining .....										
8	Crude petroleum and natural gas .....					7,654					
9+10	Nonmetallic minerals mining .....					69				344	
11	New construction .....										
12	Maintenance and repair construction .....										
13	Ordnance and accessories .....			8							12
14	Food and kindred products .....		179	81				143			
15	Tobacco products .....										
16	Broad and narrow fabrics, yarn and thread mills .....	2,338						2	2		
17	Miscellaneous textile goods and floor coverings .....	116	2			25		99	29		
18	Apparel .....	3		3				37	42		
19	Miscellaneous fabricated textile products .....			15				57	12		
20+21	Lumber and wood products .....							79		61	7
22+23	Furniture and fixtures .....				1			67	1	97	8
24	Paper and allied products, except containers .....		1	333	7			923			17
25	Paperboard containers and boxes .....			3				303			
26A	Newspapers and periodicals .....										
26B	Other printing and publishing .....							14	41		3
27A	Industrial and other chemicals .....	5,575	469	1,468	240	2,136	294		7	117	26
27B	Agricultural fertilizers and chemicals .....	334	93	44		10	1		1	1	
28	Plastics and synthetic materials .....	41,780	137	86	15	17	788			3	2
29A	Drugs .....	10	60,829	761							
29B	Cleaning and toilet preparations .....	150	340	37,522	38	73	17				14
30	Paints and allied products .....	114		9	13,893	7	3				22
31	Petroleum refining and related products .....	125	3	100	6	139,755	13			16	80
32	Rubber and miscellaneous plastics products .....	372	2	31	34	1	107,428	17	59	6	29
33+34	Footwear, leather, and leather products .....							33	9,226		
35	Glass and glass products .....							64		17,551	6
36	Stone and clay products .....	8	37	27	19	65	125		49	41,399	13
37	Primary iron and steel manufacturing .....	1					3				9
38	Primary nonferrous metals manufacturing .....						39		60	8	72,986
39	Metal containers .....						13				342
40	Heating, plumbing, and fabricated structural metal products .....	1					412		23	34	43
41	Screw machine products and stampings .....				1		59		2	6	8
42	Other fabricated metal products .....			1	3		253		12	4	34
43	Engines and turbines .....										
44+45	Farm, construction, and mining machinery .....					4	3				71
46	Materials handling machinery and equipment .....						13				2
47	Metalworking machinery and equipment .....			1			57			47	54
48	Special industry machinery and equipment .....						34		1	4	13
49	General industrial machinery and equipment .....						20			6	50
50	Miscellaneous machinery, except electrical .....						22		1		26
51	Computer and office equipment .....						13			9	6
52	Service industry machinery .....			26			18				32
53	Electrical industrial equipment and apparatus .....	5				15	6			9	1
54	Household appliances .....			1			3			13	
55	Electric lighting and wiring equipment .....	10			55		33	2	20	1	75
56	Audio, video, and communication equipment .....						1			9	
57	Electronic components and accessories .....						43		1		5
58	Miscellaneous electrical machinery and supplies .....			3			24			10	
59A	Motor vehicles (passenger cars and trucks) .....										
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	1					8	1		29	2
60	Aircraft and parts .....		1				35				2
61	Other transportation equipment .....						19				
62	Scientific and controlling instruments .....		226	15			91	1	12	3	1
63	Ophthalmic and photographic equipment .....				67		82			1	
64	Miscellaneous manufacturing .....	1	2	19			133	6		4	
65A	Railroads and related services; passenger ground transportation .....										
65B	Motor freight transportation and warehousing .....										
65C	Water transportation .....										
65D	Air transportation .....										
65E	Pipelines, freight forwarders, and related services .....										
66	Communications, except radio and TV .....										
67	Radio and TV broadcasting .....										
68A	Electric services (utilities) .....										
68B	Gas production and distribution (utilities) .....										
68C	Water and sanitary services .....										
69A	Wholesale trade .....										
69B	Retail trade .....										
70A	Finance .....										
70B	Insurance .....										
71A	Owner-occupied dwellings .....										
71B	Real estate and royalties .....										
72A	Hotels and lodging places .....										
72B	Personal and repair services (except auto) .....										
73A	Computer and data processing services .....										
73B	Legal, engineering, accounting, and related services .....										
73C	Other business and professional services, except medical .....										
73D	Advertising .....										
74	Eating and drinking places .....										
75	Automotive repair and services .....										
76	Amusements .....										
77A	Health services .....										
77B	Educational and social services, and membership organizations .....										
78	Federal Government enterprises .....										
79	State and local government enterprises .....										37
82	General government industry .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
T	<b>Total commodity output .....</b>	<b>50,944</b>	<b>62,321</b>	<b>40,557</b>	<b>14,379</b>	<b>149,831</b>	<b>111,813</b>	<b>9,538</b>	<b>17,981</b>	<b>42,291</b>	<b>73,922</b>

by Industries, 1992—Continued  
at producers' prices]

Primary non-ferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Industry number
38	39	40	41	42	43	44+45	46	47	48	49	50	51	52	
														1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
														12
13		9	19	4		1	11	17		6	6		22	13
	3								1				4	14
				7										15
1				5										16
				9										17
				2					12					18
				26								2		19
				3								1		20+21
8	7	37	11	107		12	23	2		1	2		22	22+23
				3			1					11		24
	29		1	2				7		1		17		25
														26A
1,222	155	2	1	67		36		2	14	4		11		26B
		1		1				4	11					27A
										9				27B
										4				28
														29A
														29B
														30
105	10	118	120	242	3	26	3	565	44	99	18			31
			1	7					1					32
														33+34
														35
34			35	5				3						36
452			29	33		8		81	3		1			37
62,324			121	2,182		21		189	3	21	18	4		38
1			38	214		1		197	4		9			39
	12,986		1	21										40
80	28	47,327	176	439	7	36	37	70	47	99	133	2	55	41
19	14		32,765	158	1	23	3	657	4	51	92	2	17	42
76	4		268	185	51,070	1	46	162	58	143	271	1	26	43
			93	5	15,965	12		7	2	94	63			44
			68	336	190	30,055	136	126	21	133	95			45
			36	2	21	65	7,773	28	28	73	13	1		46
8			23	87	128	243	31	24,194	146	85	225	1	5	47
3			18	3	37	54	88	137	19,302	211	58	3	85	48
1			94	16	168	221	108	90	183	28,058	137		169	49
7	2		197	95	348	31	8	239	20	55	23,383		3	50
			1	9	13	1		5	1	14		58,040		51
1			192	33	64	2		4	64	122	13	4	24,998	52
1			7	23	12	26		2	2	144	2	29		53
1			30	52	1		4	23	1	12			182	54
21			2	2	74			34	6	8	137		34	55
			1	12	4		1	2				298		56
61			31	97				4		113	3	4	2,816	57
306			6	12				6		9	7		17	58
			375		20	26		20						59A
51			49	33	42	531	50	54		62	59	5	138	59B
7			14	2	111	784	1	19		27	95	3		60
			110	5	2	39	57	8		4	37	3		61
7			38	21	196	153	7	20		93	109	53	70	62
			1	4						9	11		688	63
3			7	82		20				2	19		25	64
														65A
														65B
														65C
														65D
														65E
														66
														67
														68A
														68B
														68C
														69A
														69B
														70A
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														77A
														77B
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														79
														82
														84
64,813	13,238	49,050	34,564	56,518	17,895	30,946	8,290	27,046	20,218	29,678	24,946	62,088	25,801	T



Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment
		53	54	55	56	57	58	59A	59B	60	61
	Commodity number										
1	Livestock and livestock products .....										
2	Other agricultural products .....										
3	Forestry and fishery products .....										
4	Agricultural, forestry, and fishery services .....										
5+6	Metallic ores mining .....										
7	Coal mining .....										
8	Crude petroleum and natural gas .....										
9+10	Nonmetallic minerals mining .....										
11	New construction .....										
12	Maintenance and repair construction .....										
13	Ordinance and accessories .....	1			116	16	47		8	2,986	
14	Food and kindred products .....										
15	Tobacco products .....										
16	Broad and narrow fabrics, yarn and thread mills .....										
17	Miscellaneous textile goods and floor coverings .....										
18	Apparel .....										
19	Miscellaneous fabricated textile products .....		5								
20+21	Lumber and wood products .....										
22+23	Furniture and fixtures .....	2	17	31	12	22			5		4
24	Paper and allied products, except containers .....	1			12		371				
25	Paperboard containers and boxes .....										
26A	Newspapers and periodicals .....										
26B	Other printing and publishing .....					1					
27A	Industrial and other chemicals .....			2		8	3				
27B	Agricultural fertilizers and chemicals .....						1				
28	Plastics and synthetic materials .....										
29A	Drugs .....										
29B	Cleaning and toilet preparations .....		4				4				
30	Paints and allied products .....	3								29	
31	Petroleum refining and related products .....										
32	Rubber and miscellaneous plastics products .....	45	116	150	1	84	8		26	6	5
33+34	Footwear, leather, and leather products .....										
35	Glass and glass products .....	1		5					25	1	
36	Stone and clay products .....	7		9		28	17		41	5	
37	Primary iron and steel manufacturing .....	9		173		5			175		
38	Primary nonferrous metals manufacturing .....			13	143	106	12			3	
39	Metal containers .....										
40	Heating, plumbing, and fabricated structural metal products .....	4	97	7		12	6		39	5	21
41	Screw machine products and stampings .....	1	60	13	4	16	2		295		9
42	Other fabricated metal products .....	93	3	47		28	3		105	71	22
43	Engines and turbines .....	431					3		170	148	5
44+45	Farm, construction, and mining machinery .....	27	3	58			1		137	11	275
46	Materials handling machinery and equipment .....	26	1	1					8	1	12
47	Metalworking machinery and equipment .....	55	79	15		12	7		9	3	4
48	Special industry machinery and equipment .....	11	25	7		30	4		10		
49	General industrial machinery and equipment .....	104	4	16		21	5		93	5	2
50	Miscellaneous machinery, except electrical .....	144				7	213	7	172	37	4
51	Computer and office equipment .....	19		4	83	3,683	267				
52	Service industry machinery .....	9	83	3	7	13	4		633		7
53	Electrical industrial equipment and apparatus .....	26,759	7	185	23	162	100		64	16	1
54	Household appliances .....	174	16,033	16	9		6		20		
55	Electric lighting and wiring equipment .....	203	3	17,802	64	170	12	8	161	2	
56	Audio, video, and communication equipment .....	38	268	66	48,977	933	158		50	4	
57	Electronic components and accessories .....	118	6	95	135	67,069	105				
58	Miscellaneous electrical machinery and supplies .....	38	11	118	261	100	18,906				
59A	Motor vehicles (passenger cars and trucks) .....							147,890	2,363		20
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	47		9	126	238	458	1,765	76,069	34	39
60	Aircraft and parts .....			2	59	2	11		100	98,325	48
61	Other transportation equipment .....	68					19	8	62	2	29,393
62	Scientific and controlling instruments .....	133	8	197	911	521	291		182	431	1
63	Ophthalmic and photographic equipment .....	2		2	20		53				
64	Miscellaneous manufacturing .....	1	1	7	18	3	6	6			32
65A	Railroads and related services; passenger ground transportation .....										
65B	Motor freight transportation and warehousing .....										
65C	Water transportation .....										
65D	Air transportation .....										
65E	Pipelines, freight forwarders, and related services .....										
66	Communications, except radio and TV .....										
67	Radio and TV broadcasting .....										
68A	Electric services (utilities) .....										
68B	Gas production and distribution (utilities) .....										
68C	Water and sanitary services .....										
69A	Wholesale trade .....										
69B	Retail trade .....										
70A	Finance .....										
70B	Insurance .....										
71A	Owner-occupied dwellings .....										
71B	Real estate and royalties .....										
72A	Hotels and lodging places .....										
72B	Personal and repair services (except auto) .....										
73A	Computer and data processing services .....										
73B	Legal, engineering, accounting, and related services .....										
73C	Other business and professional services, except medical .....										
73D	Advertising .....										
74	Eating and drinking places .....										
75	Automotive repair and services .....										
76	Amusements .....										
77A	Health services .....										
77B	Educational and social services, and membership organizations .....										
78	Federal Government enterprises .....										
79	State and local government enterprises .....										
82	General government industry .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
T	<b>Total commodity output .....</b>	<b>28,574</b>	<b>16,833</b>	<b>19,055</b>	<b>50,981</b>	<b>73,298</b>	<b>21,103</b>	<b>149,684</b>	<b>81,258</b>	<b>102,154</b>	<b>29,907</b>

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Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communications, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Industry number
62	63	64	65A	65B	65C	65D	65E	66	67	68A	68B	68C	69A	
				11										1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
1,235														12
														13
														14
														15
10														16
26		20												17
49		8												18
3		53												19
3	2	12												20+21
14		41												22+23
151	10	100												24
		38												25
														26A
14														26B
10	4	301												27A
17	7	16												27B
														28
240	7	7												29A
20	17	46												29B
		18												30
		9												31
107	25	230												32
13		15												33+34
37		5												35
22	1	30												36
62		3									43			37
7		5												38
														39
22		6												40
11		27												41
254	1	54												42
2														43
13		2												44+45
														46
30		1												47
28	11	3												48
55		16												49
25		1												50
36	88	85												51
18		4												52
139		2												53
9	6	2												54
98	7	8												55
1,225		12												56
214	6	5												57
786	301	17												58
														59A
20		1												59B
1,606		8												60
1		69												61
100,484	103	42												62
738	22,143	1												63
61	6	38,127												64
			55,576	174										65A
				155,590									11,363	65B
					32,440									65C
			542	1,320	194	94,141								65D
						2,632	28,928							65E
								205,941						66
									2,674					67
										170,428				68A
											92,953			68B
												468		68C
												204		69A
												18,644		69B
													568,970	69C
														69D
														70A
														70B
														71A
														71B
														72A
														72B
														73A
														73B
							38							73C
														73D
														74
														75
														76
														77A
														77B
			5,940			1,713				6,504				78
										18,763	3,159		19,586	79
														82
														84
														85
107,915	22,745	39,450	62,058	157,110	34,347	98,819	28,966	205,941	2,674	195,695	96,155	50,265	568,970	T

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity  For the distribution of commodities produced by an industry, read the row for that industry  Commodity number	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)	Computer and data processing services	Legal, engineering, accounting, and related services
		69B	70A	70B	71A	71B	72A	72B	73A	73B
1	Livestock and livestock products .....									
2	Other agricultural products .....									
3	Forestry and fishery products .....									
4	Agricultural, forestry, and fishery services .....									
5+6	Metallic ores mining .....									
7	Coal mining .....									
8	Crude petroleum and natural gas .....									
9+10	Nonmetallic minerals mining .....									
11	New construction .....									
12	Maintenance and repair construction .....									
13	Ordnance and accessories .....									
14	Food and kindred products .....									
15	Tobacco products .....									
16	Broad and narrow fabrics, yarn and thread mills .....									
17	Miscellaneous textile goods and floor coverings .....									
18	Apparel .....									
19	Miscellaneous fabricated textile products .....									
20+21	Lumber and wood products .....									
22+23	Furniture and fixtures .....									
24	Paper and allied products, except containers .....									
25	Paperboard containers and boxes .....									
26A	Newspapers and periodicals .....									
26B	Other printing and publishing .....									
27A	Industrial and other chemicals .....									
27B	Agricultural fertilizers and chemicals .....									
28	Plastics and synthetic materials .....									
29A	Drugs .....									
29B	Cleaning and toilet preparations .....									
30	Paints and allied products .....									
31	Petroleum refining and related products .....									
32	Rubber and miscellaneous plastics products .....									
33+34	Footwear, leather, and leather products .....									
35	Glass and glass products .....									
36	Stone and clay products .....									
37	Primary iron and steel manufacturing .....									
38	Primary nonferrous metals manufacturing .....									
39	Metal containers .....									
40	Heating, plumbing, and fabricated structural metal products .....									
41	Screw machine products and stampings .....									
42	Other fabricated metal products .....									
43	Engines and turbines .....									
44+45	Farm, construction, and mining machinery .....									
46	Materials handling machinery and equipment .....									
47	Metalworking machinery and equipment .....									
48	Special industry machinery and equipment .....									
49	General industrial machinery and equipment .....									
50	Miscellaneous machinery, except electrical .....									
51	Computer and office equipment .....								1,505	
52	Service industry machinery .....									
53	Electrical industrial equipment and apparatus .....									
54	Household appliances .....									
55	Electric lighting and wiring equipment .....									
56	Audio, video, and communication equipment .....									
57	Electronic components and accessories .....									
58	Miscellaneous electrical machinery and supplies .....									
59A	Motor vehicles (passenger cars and trucks) .....									
59B	Truck and bus bodies, trailers, and motor vehicles parts .....									
60	Aircraft and parts .....									
61	Other transportation equipment .....									
62	Scientific and controlling instruments .....									
63	Ophthalmic and photographic equipment .....									
64	Miscellaneous manufacturing .....									
65A	Railroads and related services; passenger ground transportation .....									
65B	Motor freight transportation and warehousing .....									
65C	Water transportation .....									
65D	Air transportation .....									
65E	Pipelines, freight forwarders, and related services .....									
66	Communications, except radio and TV .....									
67	Radio and TV broadcasting .....									
68A	Electric services (utilities) .....									
68B	Gas production and distribution (utilities) .....									
68C	Water and sanitary services .....									
69A	Wholesale trade .....									
69B	Retail trade .....	522,519								
70A	Finance .....		390,710							
70B	Insurance .....			231,097						
71A	Owner-occupied dwellings .....				448					
71B	Real estate and royalties .....			229		549,884				
72A	Hotels and lodging places .....					666	58,936			
72B	Personal and repair services (except auto) .....							91,564		
73A	Computer and data processing services .....								115,730	
73B	Legal, engineering, accounting, and related services .....								387	251,701
73C	Other business and professional services, except medical .....							449	416	896
73D	Advertising .....									
74	Eating and drinking places .....									
75	Automotive repair and services .....									
76	Amusements .....									
77A	Health services .....									
77B	Educational and social services, and membership organizations .....									
78	Federal Government enterprises .....	2,092		-177		422		3		
79	State and local government enterprises .....	1,567	64	57		8,766				
82	General government industry .....									
84	Household industry .....									
85	Inventory valuation adjustment .....									
T	<b>Total commodity output</b> .....	<b>526,178</b>	<b>390,774</b>	<b>231,654</b>	<b>457,250</b>	<b>559,738</b>	<b>58,936</b>	<b>92,016</b>	<b>118,038</b>	<b>252,597</b>

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Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Scrap, used and second-hand goods	General government industry	Household industry	Inventory valuation adjustment	Total industry output	Industry number
73C	73D	74	75	76	77A	77B	78	79	81	82	84	85		
				534									91,504	1
				504									108,294	2
													9,613	3
													28,251	4
													10,749	5+6
													26,917	7
													105,369	8
													13,682	9+10
													456,949	11
													222,381	12
													25,760	13
													408,482	14
									5				40,146	15
													41,646	16
													17,580	17
													69,132	18
													19,055	19
									36				86,865	20+21
									12				42,977	22+23
									79				99,613	24
									132				31,938	25
	35,360								19				56,711	26A
	30,114								72				110,564	26B
									57				109,880	27A
									2				17,831	27B
									29				48,040	28
									18				62,674	29A
									11				39,628	29B
													14,198	30
									19				145,709	31
									64				111,361	32
													9,368	33+34
									12				17,815	35
									28				42,904	36
									31				76,565	37
									57				63,773	38
													13,065	39
									50				49,491	40
									317				34,703	41
									17				53,974	42
									17				17,044	43
									21				32,031	44+45
									4				8,152	46
									8				25,611	47
									5				20,231	48
									78				29,814	49
									17				25,071	50
									3				63,924	51
									36				26,455	52
													27,809	53
													16,636	54
									3				19,111	55
				49									52,155	56
													70,940	57
													21,223	58
									24				150,738	59A
									231				80,266	59B
													101,709	60
									11				30,000	61
									9				105,489	62
													24,131	63
									2				41,315	64
									4				55,754	65A
													166,953	65B
													32,440	65C
													94,141	65D
													33,616	65E
													208,094	66
													29,359	67
													170,896	68A
													93,157	68B
													19,182	68C
								424	114				568,970	69A
													522,519	69B
													416,272	70A
													231,097	70B
													457,250	71A
													550,113	71B
													59,602	72A
													91,772	72B
													115,730	73A
													256,361	73B
													340,445	73C
													29,865	73D
									521				280,708	74
													138,381	75
													121,368	76
						564,607							564,986	77A
													228,332	77B
							50,200						60,972	78
								227,631					92,806	79
									29,738				764,389	82
													10,087	84
													10,087	85
													-7,982	85
													-7,982	T
332,385	138,530	282,017	164,408	122,937	564,607	227,631	50,200	30,162	2,175	764,389	10,087	-7,982	10,822,647	

Table 2.1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity  For the composition of inputs to an industry, read the column for that industry  Industry number	Livestock and livestock products	Other agricultural products	Forestry and fishery products	Agricultural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non-metallic minerals mining	New construction	Maintenance and repair construction
		1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products .....	12,133	5	66	672						
2	Other agricultural products .....	22,177	3,044		3,160			1		1,217	661
3	Forestry and fishery products .....			262	38						
4	Agricultural, forestry, and fishery services .....	4,050	7,787	2,023	152	16	17	3	6	1,335	814
5+6	Metallic ores mining .....					2,083					
7	Coal mining .....					15	3,042				
8	Crude petroleum and natural gas .....							20,296			
9+10	Nonmetallic minerals mining .....	7	289		2	7	10		474	3,291	2,154
11	New construction .....									170	
12	Maintenance and repair construction .....	997	1,273	335	290	206	70	2,293	101	270	154
13	Ordnance and accessories .....										
14	Food and kindred products .....	15,973		311	94						
15	Tobacco products .....										
16	Broad and narrow fabrics, yarn and thread mills .....		268				84				
17	Miscellaneous textile goods and floor coverings .....	139	213	56	80					1,189	660
18	Apparel .....						3	1			
19	Miscellaneous fabricated textile products .....		164	9	84					294	181
20+21	Lumber and wood products .....	44	460			36	67	1		23,353	14,386
22+23	Furniture and fixtures .....									1,346	5
24	Paper and allied products, except containers .....	211	251	17	7	4	4	1	9	1,808	608
25	Paperboard containers and boxes .....	6	728	23	136	4	6	2	2	266	143
26A	Newspapers and periodicals .....	7	8		5		1	2	18		
26B	Other printing and publishing .....	8	9		6		1	1		133	77
27A	Industrial and other chemicals .....	121	62	3	5	515	243	1,174	257	1,629	697
27B	Agricultural fertilizers and chemicals .....	215	8,358	28	2,177	1	2			1	
28	Plastics and synthetic materials .....										
29A	Drugs .....	288			1						
29B	Cleaning and toilet preparations .....	65		14				5		147	111
30	Paints and allied products .....				7			1		4,106	2,073
31	Petroleum refining and related products .....	796	2,937	343	175	261	633	632	493	5,445	4,505
32	Rubber and miscellaneous plastics products .....	396	605	7	32	90	243	15	147	7,039	3,899
33+34	Footwear, leather, and leather products .....	35						1			
35	Glass and glass products .....	8			11			2	7	1,055	156
36	Stone and clay products .....		136		5	58	104	189		23,431	6,224
37	Primary iron and steel manufacturing .....	11	17			287	82	1,191	160	3,699	1,519
38	Primary nonferrous metals manufacturing .....				2		13			3,484	1,677
39	Metal containers .....			2							
40	Heating, plumbing, and fabricated structural metal products .....	20	25			81	71	38	51	23,542	9,353
41	Screw machine products and stampings .....	34				13	134		11	284	111
42	Other fabricated metal products .....	139	259	8	67	2	63	448	9	9,166	3,653
43	Engines and turbines .....			12		27	93	22	42		
44+45	Farm, construction, and mining machinery .....	253	684	40	22	316	884	288	508	907	408
46	Materials handling machinery and equipment .....					66	157	52	187	1,327	22
47	Metalworking machinery and equipment .....	31	45		1	7	5	19	3	319	104
48	Special industry machinery and equipment .....				1					2	4
49	General industrial machinery and equipment .....	31	72	1	2	35	223	103	94	3,293	636
50	Miscellaneous machinery, except electrical .....	50	138	1	13	23	114	169	14	239	6
51	Computer and office equipment .....										
52	Service industry machinery .....			2	2			4	2	5,019	2,361
53	Electrical industrial equipment and apparatus .....	9	22	3		15	53	71	44	2,696	1,028
54	Household appliances .....									945	552
55	Electric lighting and wiring equipment .....	36	46	2	19		16	9	1	8,267	3,651
56	Audio, video, and communication equipment .....									1,896	626
57	Electronic components and accessories .....										
58	Miscellaneous electrical machinery and supplies .....	186	496	5	29	3	7	9	12	977	438
59A	Motor vehicles (passenger cars and trucks) .....										
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	58	140	27	43	15	34	40	48	552	324
60	Aircraft and parts .....										
61	Other transportation equipment .....					2				64	35
62	Scientific and controlling instruments .....			14	9	2	1	1		1,503	586
63	Ophthalmic and photographic equipment .....				8		3	11		48	23
64	Miscellaneous manufacturing .....	29	47		4	2	4	4	5	1,543	732
65A	Railroads and related services; passenger ground transportation .....	1,168	287	13	60	57	769	160	59	831	486
65B	Motor freight transportation and warehousing .....	1,933	1,142	26	248	143	311	252	227	7,043	3,521
65C	Water transportation .....	115	190	155	13	16	143	264	10	463	285
65D	Air transportation .....	15	82	32	329	34	95	246	38	640	326
65E	Pipelines, freight forwarders, and related services .....	90	21	1	2	1	5	9	2	10	6
66	Communications, except radio and TV .....	229	250	13	93	26	36	196	40	1,770	1,014
67	Radio and TV broadcasting .....										
68A	Electric services (utilities) .....	1,710	861	7	50	795	586	1,626	683	710	389
68B	Gas production and distribution (utilities) .....		314	2	2	77	35	2,821	274	113	
68C	Water and sanitary services .....	107	544	15			3	83	8	509	298
69A	Wholesale trade .....	4,931	5,971	203	974	302	846	935	475	18,148	8,719
69B	Retail trade .....			20	8	15	37	126	45	18,381	10,049
70A	Finance .....	466	509	79	174	80	183	589	129	2,934	1,329
70B	Insurance .....	311	371	48	77	26	44	113	46	2,710	842
71A	Owner-occupied dwellings .....										
71B	Real estate and royalties .....	3,973	9,375	12	215	94	565	17,182	158	2,478	1,297
72A	Hotels and lodging places .....	25	36	28	43	32	81	264	38	405	222
72B	Personal and repair services (except auto) .....	26	72	6	72	5	8	12	4	242	146
73A	Computer and data processing services .....	53	60	13	16	23	23	115	52	340	202
73B	Legal, engineering, accounting, and related services .....	60	75	222	412	155	408	1,882	131	31,394	8,059
73C	Other business and professional services, except medical .....	430	1,122	159	307	134	201	384	120	13,343	7,381
73D	Advertising .....	11	23	6	101	5	14	128	43	343	186
74	Eating and drinking places .....	9	16	35	58	42	96	312	55	503	271
75	Automotive repair and services .....	185	492	55	371	49	45	113	30	3,002	1,815
76	Amusements .....			2	219	1	8	30	1	56	33
77A	Health services .....	1,414									
77B	Educational and social services, and membership organizations .....	54	63	25	18	18	53	80	8	27	11
78	Federal Government enterprises .....	9	10	6	28	9	1		8	468	274
79	State and local government enterprises .....	16	36	1	16	4	3	2		14	8
80	Noncomparable imports .....		45				84	23	1,033	20	
81	Scrap, used and secondhand goods .....					2				5	3
82	General government industry .....										
83	Rest of the world adjustment to final uses .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
I	Total intermediate inputs .....	75,901	50,554	4,807	11,269	6,419	11,113	56,056	5,468	254,179	112,529
VA	Value added .....	15,603	57,740	4,806	16,982	4,330	15,804	49,313	8,214	202,770	109,852
T	Total industry output .....	91,504	108,294	9,613	28,251	10,749	26,917	105,369	13,682	456,949	222,381



Table 2.1.—The Use of Commodities

(Millions of dollars)

Commodity number	For the distribution of output of a commodity, read the row for that commodity  For the composition of inputs to an industry, read the column for that industry	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
		28	29A	29B	30	31	32	33+34	35	36	37
	Industry number										
1	Livestock and livestock products .....			41							
2	Other agricultural products .....		137			1					
3	Forestry and fishery products .....	1	22		7	1	831			1	
4	Agricultural, forestry, and fishery services .....	16	30	13	4	20	40	1	9	23	30
5+6	Metallic ores mining .....					20	21		17	19	2,194
7	Coal mining .....	58	18	9	2	7	16	2	98	283	1,349
8	Crude petroleum and natural gas .....	237				74,499					
9+10	Nonmetallic minerals mining .....		1	13	4	407	13		192	2,889	231
11	New construction .....										
12	Maintenance and repair construction .....	499	455	215	52	1,097	757	65	141	325	576
13	Ordnance and accessories .....										
14	Food and kindred products .....	52	216	401	129	139	11	843		16	
15	Tobacco products .....										
16	Broad and narrow fabrics, yarn and thread mills .....	9					1,029	248		150	
17	Miscellaneous textile goods and floor coverings .....	1	8	12			1,192	201	1		
18	Apparel .....	2					9	4			
19	Miscellaneous fabricated textile products .....		2	4					1	5	
20+21	Lumber and wood products .....		1	2						173	165
22+23	Furniture and fixtures .....					3	171				152
24	Paper and allied products, except containers .....	760	153	117	2	113	957	54	41	477	25
25	Paperboard containers and boxes .....	212	664	1,503	1	133	1,391	31	752	159	16
26A	Newspapers and periodicals .....	2	6	1		3	8			2	2
26B	Other printing and publishing .....	1	387	160	11	7	38	1	2	6	97
27A	Industrial and other chemicals .....	16,336	1,529	3,859	2,895	2,093	5,376	328	699	1,090	904
27B	Agricultural fertilizers and chemicals .....	226									
28	Plastics and synthetic materials .....	1,591				1,777		11		242	
29A	Drugs .....		8,365								
29B	Cleaning and toilet preparations .....	279	49	2,147	2	419	78	40	35	93	2
30	Paints and allied products .....	16		11	253		75		12	56	19
31	Petroleum refining and related products .....	199	83	423	142	12,427	322	50	108	471	436
32	Rubber and miscellaneous plastics products .....	2,023	1,312	2,431	1	476	6,354	296	386	349	137
33+34	Footwear, leather, and leather products .....					1		2,132			
35	Glass and glass products .....	7	256	214	3	330	611		1,608	103	
36	Stone and clay products .....	8	11	3	185	278	155	6	245	4,374	1,183
37	Primary iron and steel manufacturing .....	1		1	5	20	519		19	356	14,171
38	Primary nonferrous metals manufacturing .....				1		70			61	1,465
39	Metal containers .....	4	81	431	500	137					2
40	Heating, plumbing, and fabricated structural metal products .....						33			19	5
41	Screw machine products and stampings .....		65	49	2		270	3	14	52	275
42	Other fabricated metal products .....	16	40	94	2	116	668	61		285	1,228
43	Engines and turbines .....						20				23
44+45	Farm, construction, and mining machinery .....										
46	Materials handling machinery and equipment .....						2				17
47	Metalworking machinery and equipment .....	24	3	7	1	19	204	2	89	97	649
48	Special industry machinery and equipment .....	20					331	1	20		26
49	General industrial machinery and equipment .....	26	41	4			25			37	1,273
50	Miscellaneous machinery, except electrical .....	75	24	34	3	91	640	14	78	107	410
51	Computer and office equipment .....										
52	Service industry machinery .....	1	2	7		1	6		2	4	1
53	Electrical industrial equipment and apparatus .....	5	7	21		1	37		36	8	548
54	Household appliances .....										
55	Electric lighting and wiring equipment .....	4	12	20		8	43		7	18	
56	Audio, video, and communication equipment .....										
57	Electronic components and accessories .....						63				
58	Miscellaneous electrical machinery and supplies .....					2	19			12	4
59A	Motor vehicles (passenger cars and trucks) .....										
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	1	15	2	2	49	14		6	42	13
60	Aircraft and parts .....										
61	Other transportation equipment .....										
62	Scientific and controlling instruments .....	4	14	5	4	25	11		8	15	87
63	Ophthalmic and photographic equipment .....	4	42	5	1	6	16		2	4	8
64	Miscellaneous manufacturing .....	1	30	6	1	5	16	14	1	32	3
65A	Railroads and related services; passenger ground transportation .....	460	126	205	258	351	768	10	258	601	1,225
65B	Motor freight transportation and warehousing .....	945	254	453	360	699	3,349	103	263	2,859	1,886
65C	Water transportation .....	159	12	54	45	725	183		59	413	427
65D	Air transportation .....	169	211	134	40	97	413	37	54	127	298
65E	Pipelines, freight forwarders, and related services .....	13	2	2	2	4,501	3		2	2	2
66	Communications, except radio and TV .....	214	210	123	35	176	308	28	50	146	149
67	Radio and TV broadcasting .....										
68A	Electric services (utilities) .....	1,072	440	207	83	1,564	2,246	72	524	1,177	2,804
68B	Gas production and distribution (utilities) .....	602	153	83	24	11,668	421	31	298	825	1,175
68C	Water and sanitary services .....	259	120	68	50	422	160	90	40	97	535
69A	Wholesale trade .....	2,374	3,970	2,032	619	5,769	4,776	409	797	1,550	5,515
69B	Retail trade .....	28	46	127	2	26	135	3	49	49	21
70A	Finance .....	363	483	303	108	1,131	832	58	118	297	542
70B	Insurance .....	68	85	55	19	145	166	17	29	92	127
71A	Owner-occupied dwellings .....										
71B	Real estate and royalties .....	187	500	344	58	1,230	1,035	62	113	332	289
72A	Hotels and lodging places .....	145	196	124	44	139	337	26	54	128	229
72B	Personal and repair services (except auto) .....	134	60	35	9	253	205	9	47	125	317
73A	Computer and data processing services .....	207	156	83	22	323	367	51	72	166	452
73B	Legal, engineering, accounting, and related services .....	1,348	1,730	604	158	978	696	27	64	227	318
73C	Other business and professional services, except medical .....	645	1,530	626	115	1,206	1,525	89	256	716	1,428
73D	Advertising .....	280	3,715	2,604	187	532	649	211	76	256	331
74	Eating and drinking places .....	181	235	150	52	273	442	42	74	171	296
75	Automotive repair and services .....	293	161	104	33	482	504	24	107	281	638
76	Amusements .....	18	57	38	7	23	32	1	3	8	18
77A	Health services .....										
77B	Educational and social services, and membership organizations .....	92	229	64	9	105	408	4	11	30	51
78	Federal Government enterprises .....	13	22	41	7	44	67	17	14	26	56
79	State and local government enterprises .....	47	22	12	1	35	71	25	8	100	57
80	Noncomparable imports .....	215	1,911	379	68	330	234	2	30	97	86
81	Scrap, used and secondhand goods .....								100		2,320
82	General government industry .....										
83	Rest of the world adjustment to final uses .....										
84	Household industry .....										
85	Inventory valuation adjustment .....										
I	Total intermediate inputs .....	33,252	30,717	21,319	8,427	126,183	62,561	5,856	8,370	23,345	49,153
VA	Value added .....	14,788	31,957	18,309	5,771	19,526	48,800	3,512	9,445	19,559	27,412
T	Total industry output .....	48,040	62,674	39,628	14,198	145,709	111,361	9,368	17,815	42,904	76,565









Table 2.1.—The Use of Commodities

[Millions of dollars]

Table with 13 columns: Commodity number, Industry number, Retail trade (69B), Finance (70A), Insurance (70B), Owner-occupied dwellings (71A), Real estate and royalties (71B), Hotels and lodging places (72A), Personal and repair services (72B), Computer and data processing services (73A), Legal, engineering, accounting, and related services (73B), Other business and professional services, except medical (73C), Advertising (73D). Rows include various industry categories like Livestock, Agriculture, Manufacturing, Wholesale Trade, and Service industries, ending with Total industry output.

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Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment	Total intermediate use	Commodity number
74	75	76	77A	77B	78	79	82	84	85		
321		39	55	65						85,869	1
1,843	2	147	203	124	6					71,142	2
1,747		6	37		6					13,280	3
186	53	271	748	358	2	303				27,310	4
6	2	1	7	3	734	1,273				8,268	5+6
						630				23,786	7
						51				138,601	8
										12,371	9+10
										170	11
2,129	535	1,065	2,889	9,276	922	20,230				159,448	12
61,536		692	4,308	2,507	179					465	13
										153,699	14
										3,348	15
										37,127	16
38	55	80	36	34	8	10				10,074	17
8	43	10	49	9	4	11				16,628	18
157	124	107	618	80	1	34				10,770	19
25	11	53	689	81	109	2				80,245	20+21
		78	135	193						5,479	22+23
		2	5	2	105					80,994	24
		2			77	45				30,352	25
899	190	218	2,353	1,321	279	116				4,401	26A
1,003	90	95	779	279	116					56,500	26B
29	41	63	387	941	4	6				97,797	27A
580	107	272	3,064	9,352	737	150				15,545	27B
299	218	117	8,163	209	104	1,209				46,036	28
		134	35	48		141				17,620	29A
			181							8,826	29B
		9	7,576	63		3				12,894	30
54	121	31	658	167	38	39				83,751	31
5	341	36	3	56						99,363	32
722	1,962	352	1,005	966	734	3,612				3,871	33+34
2,203	2,874	141	6,573	714	17	127				16,883	35
3	2	70	43	151	18					42,481	36
417	785	5	928	296	3	49				81,280	37
391	48	2	200	3		523				68,611	38
		1	2	21						13,025	39
		15	12	2	43					43,481	40
		2		2		2				33,140	41
57	1,467	19	332	75	28	2				51,306	42
104	1,676	88	432	250	8	23				10,279	43
2	657		1	4	99	113				6,049	44+45
		4				160				2,674	46
					5					9,666	47
1	32	7	12	15	4	12				4,224	48
148	35		4	2						17,643	49
162	25		7	8	8	14				22,989	50
36	305	27	118	93	95	875				24,759	51
11	6	21	794	73	3					14,939	52
46	923	101	99	40	15	386				21,175	53
5	411	3	100	23		442				2,658	54
5			13	15		10				17,691	55
78	493	86	233	102	28	124				12,017	56
16	16	9	13	64		43				75,400	57
		3	200	182		42				13,375	58
46	712	632	296	196	18	153				1,844	59A
	108									74,459	59B
350	15,685	93	276	257	736	279				29,930	60
	1									3,092	61
		39		5	10	155				25,540	62
6	95	13	9,594	228	1	13				9,589	63
19	42	57	1,312	451	11	13				13,526	64
371	50	306	407	914	33	51				32,452	65A
492	269	79	738	201	715	468				110,656	65B
2,202	877	243	1,783	788	967	425				12,771	65C
75	62	29	104	32	150	270				39,882	65D
896	608	316	1,725	758	1,549	100				22,544	65E
18	255	6	47	26	6	30				95,074	66
1,088	1,262	931	4,993	2,117	197	468				835	67
										98,868	68A
6,246	1,331	1,797	4,136	2,079	308	3,896				61,944	68B
997	328	162	896	519	200	2,666				27,052	68C
1,591	389	313	1,588	667	331	1,126				280,569	69A
13,063	5,719	1,784	8,507	2,971	413	728				39,882	69B
392	1,057	113	421	326	11	19				163,754	70A
2,674	2,206	1,066	3,717	2,664	407	1,102				90,095	70B
387	618	180	1,640	522	102	198					71A
										330,296	71B
13,783	7,095	7,622	34,279	25,605	718	2,156				27,260	72A
810	477	306	1,706	717	20	24				23,579	72B
890	1,590	315	1,300	494	13	110				83,729	73A
749	575	538	6,224	4,257	230	435				179,136	73B
2,493	998	2,696	9,471	3,221	131	3,296				271,050	73C
5,882	2,887	4,064	24,644	11,216	907	1,679				136,364	73D
6,112	2,281	4,728	2,524	5,736	5	204				41,383	74
4,252	554	440	4,405	1,646	74	127				70,073	75
1,193	1,805	806	3,420	1,332	212	492				41,927	76
2,459	71	19,673	229	912		2				13,484	77A
		33	11,974							16,339	77B
443	101	189	1,477	1,217	21	65				39,448	78
480	503	503	5,390	2,176	48	268				6,810	79
193	166	41	192	97	23	1,003				44,964	80
128	13	222	24	20	1,262					7,147	81
1	507	-155									82
											83
											84
											85
146,060	65,390	54,672	193,538	102,631	14,089	52,717				4,588,742	I
134,648	72,991	66,696	371,448	125,701	46,883	40,089	764,389	10,087	-7,982		VA
280,708	138,381	121,368	564,986	228,332	60,972	92,806	764,389	10,087	-7,982		T



by Industries, 1992—Continued  
at producers' prices]

Total	State and local government consumption expenditures and gross investment				GDP	Total commodity output	Commodity number
	Education: Consumption expenditures	Education: Gross investment	Other: Consumption expenditures	Other: Gross investment			
	98C	98I	99C	99I			
194	40		154	3,506	89,375	1	
940	297		643	33,404	104,546	2	
-507	9		-516	-1,415	11,865	3	
1,687	377		1,310	2,495	29,805	4	
				2,471	10,739	5+6	
48	28		20	3,131	26,917	7	
				-40,978	97,623	8	
58			58	-88	12,283	9+10	
101,060		20,251		456,779	456,949	11	
32,065	6,802		25,263	62,933	222,381	12	
145			145	21,752	22,217	13	
8,654	4,061		4,591	255,058	408,757	14	
-20	-1		-19	36,799	40,147	15	
216	73		143	401	37,528	16	
75		12	47	7,909	17,983	17	
1,091	6		1,085	52,009	68,637	18	
446	67		379	10,251	21,021	19	
176	75		101	6,882	87,127	20+21	
2,666		1,601	4	37,370	42,849	22+23	
3,260	1,654		1,606	17,503	98,497	24	
198	39		159	1,391	31,743	25	
652	406		246	15,494	19,895	26A	
6,470	4,346		2,124	24,702	81,202	26B	
3,537	826		2,711	15,562	113,359	27A	
500	146		354	2,305	17,850	27B	
2	1		1	4,908	50,944	28	
4,936	119		4,817	44,701	62,321	29A	
728	136		592	31,731	40,557	29B	
412	296		116	1,485	14,379	30	
12,068	5,385		6,683	66,080	149,831	31	
1,912	110		1,802	12,450	111,813	32	
160			160	5,667	9,538	33+34	
382	73		309	1,098	17,981	35	
180	80		100	-190	42,291	36	
87	7		80	-7,358	73,922	37	
78	5		73	-3,798	64,813	38	
10	5		5	213	13,238	39	
11			10	5,569	49,050	40	
126	39		87	1,424	34,564	41	
1,491	256	196	696	5,212	56,518	42	
390	91	5	143	7,616	17,895	43	
1,663	62	24	14	1,563	30,946	44+45	
15		9		6	8,290	46	
400	98	124	69	109	17,380	47	
256	95	154		7	15,994	48	
485	81	66	73	265	12,035	49	
262	130	40	55	37	1,957	50	
3,931	186	1,783	489	1,473	37,329	51	
1,177	410	288	243	10,862	25,801	52	
706	82	175	16	433	7,399	53	
206	2	134	22	48	14,175	54	
724	358	35	324	7	1,364	55	
721	15	299	129	278	38,964	56	
237	81		156		-2,102	57	
434	98		125	26	7,728	58	
5,887		1,364		4,523	147,840	59A	
1,670	669		984	17	6,799	59B	
45			45	72,224	102,154	60	
912		218	35	659	26,815	29,907	61
4,263	65	496	2,204	1,498	82,375	107,915	62
2,998	699	403	1,452	444	13,156	22,745	63
2,270	807	464	970	29	25,924	39,450	64
4,287	3,663	16	557	51	29,606	62,058	65A
2,294	824	89	1,163	218	46,454	157,110	65B
424	84		340		21,576	34,347	65C
3,111	934	24	2,124	29	59,317	98,819	65D
218	56		162		6,422	28,966	65E
8,490	3,585		4,905		110,867	205,941	66
					1,839	2,674	67
15,467	5,534		9,933		96,827	195,695	68A
3,645	2,023		1,622		34,211	96,155	68B
1,648	1,395		253		23,213	50,265	68C
11,621	3,196	1,421	5,228	1,776	288,401	568,970	69A
468			468		486,296	526,178	69B
11,106			11,106		227,020	390,774	70A
532	351		181		141,559	231,654	70B
					457,250	457,250	71A
10,032	806		9,226		229,442	559,738	71B
631	-2,697		3,328		31,676	58,936	72A
2,724	1,060		1,664		68,437	92,016	72B
8,879	2,003		6,876		34,309	118,038	73A
3,988	1,908		2,080		73,461	252,597	73B
15,129	5,595		9,534		61,335	332,385	73C
1,507	621		886		2,166	138,530	73D
-3,075	-6,291		3,216		240,634	282,017	74
3,708	1,094		2,614		94,335	164,408	75
-2,070	224		-2,294		81,010	122,937	76
-61,899	-17		-61,882		551,123	564,607	77A
-23,985	-27,527		3,542		211,292	227,631	77B
2,625	182		2,443		10,752	50,200	78
658	225		433		23,352	30,162	79
					-44,964		80
2,811	449	319	120	1,923	-4,972	2,175	81
491,062	257,127		233,935		764,389	764,389	82
							83
					10,087	10,087	84
					-7,982	-7,982	85
							I
					6,233,905		VA
731,882	286,205	30,195	317,405	98,077		10,822,647	T

Table 2.2.—Input Components of Total Industry Output, 1992 Benchmark  
 [Millions of dollars at producers' prices]

Industry number		Value added				Total intermediate inputs	Total industry output	Industry number
		Total	Compensation	Indirect business tax and nontax liability	Other value added			
1	Livestock and livestock products .....	15,603	4,530	1,296	9,777	75,901	91,504	1
2	Other agricultural products .....	57,740	7,869	3,387	46,484	50,554	108,294	2
3	Forestry and fishery products .....	4,806	1,651	513	2,642	4,807	9,613	3
4	Agricultural, forestry, and fishery services .....	16,982	14,209	569	2,204	11,269	28,251	4
5+6	Metallic ores mining .....	4,330	2,721	542	1,067	6,419	10,749	5+6
7	Coal mining .....	15,804	8,366	2,429	5,009	11,113	26,917	7
8	Crude petroleum and natural gas .....	49,313	14,127	4,729	30,457	56,056	105,369	8
9+10	Nonmetallic minerals mining .....	8,214	4,500	577	3,137	5,468	13,682	9+10
11	New construction .....	202,770	159,748	2,836	40,186	254,179	456,949	11
12	Maintenance and repair construction .....	109,852	83,087	709	26,056	112,529	222,381	12
13	Ordinance and accessories .....	14,931	10,171	312	4,448	10,829	25,760	13
14	Food and kindred products .....	125,027	56,037	10,243	58,747	283,455	408,482	14
15	Tobacco products .....	25,731	3,362	5,540	16,829	14,415	40,146	15
16	Broad and narrow fabrics, yarn and thread mills .....	14,519	10,425	249	3,845	27,127	41,646	16
17	Miscellaneous textile goods and floor coverings .....	5,769	3,592	121	2,056	11,811	17,580	17
18	Apparel .....	23,318	19,087	246	3,985	45,814	69,132	18
19	Miscellaneous fabricated textile products .....	7,378	5,156	86	2,136	11,677	19,055	19
20+21	Lumber and wood products .....	31,858	18,500	480	12,878	55,007	86,865	20+21
22+23	Furniture and fixtures .....	19,462	13,002	222	6,238	23,515	42,977	22+23
24	Paper and allied products, except containers .....	39,850	20,366	866	18,618	59,763	99,613	24
25	Paperboard containers and boxes .....	10,300	7,982	280	2,038	21,638	31,938	25
26A	Newspapers and periodicals .....	34,017	19,094	319	14,604	22,694	56,711	26A
26B	Other printing and publishing .....	57,511	34,252	611	22,648	53,053	110,564	26B
27A	Industrial and other chemicals .....	40,288	21,962	1,737	16,589	69,592	109,880	27A
27B	Agricultural fertilizers and chemicals .....	6,187	2,491	159	3,537	11,644	17,831	27B
28	Plastics and synthetic materials .....	14,788	9,240	397	5,151	33,252	48,040	28
29A	Drugs .....	31,957	12,041	685	19,231	30,717	62,674	29A
29B	Cleaning and toilet preparations .....	18,309	5,845	341	12,123	21,319	39,628	29B
30	Paints and allied products .....	5,771	2,880	121	2,770	8,427	14,198	30
31	Petroleum refining and related products .....	19,526	8,815	4,200	6,511	126,183	145,709	31
32	Rubber and miscellaneous plastics products .....	48,800	31,129	930	16,741	62,561	111,361	32
33+34	Footwear, leather, and leather products .....	3,512	2,367	65	1,080	5,856	9,368	33+34
35	Glass and glass products .....	9,445	5,553	160	3,732	8,370	17,815	35
36	Stone and clay products .....	19,559	12,465	412	6,682	23,345	42,904	36
37	Primary iron and steel manufacturing .....	27,412	20,920	866	5,626	49,153	76,565	37
38	Primary nonferrous metals manufacturing .....	16,332	11,471	727	4,134	47,441	63,773	38
39	Metal containers .....	2,502	2,018	93	391	10,563	13,065	39
40	Heating, plumbing, and fabricated structural metal products .....	20,706	15,160	358	5,188	28,785	49,491	40
41	Screw machine products and stampings .....	15,084	12,889	248	1,947	19,619	34,703	41
42	Other fabricated metal products .....	25,539	17,449	384	7,706	28,435	53,974	42
43	Engines and turbines .....	6,630	4,556	133	1,941	10,414	17,044	43
44+45	Farm construction, and mining machinery .....	13,098	8,763	259	4,076	18,933	32,031	44+45
46	Materials handling machinery and equipment .....	3,518	2,676	63	779	4,634	8,152	46
47	Metalworking machinery and equipment .....	14,381	11,779	202	2,400	11,230	25,611	47
48	Special industry machinery and equipment .....	9,646	7,413	161	2,072	10,585	20,231	48
49	General industrial machinery and equipment .....	14,472	10,756	235	3,481	15,342	29,814	49
50	Miscellaneous machinery, except electrical .....	14,160	11,897	195	2,068	10,911	25,071	50
51	Computer and office equipment .....	17,992	13,357	508	4,127	45,932	63,924	51
52	Service industry machinery .....	10,967	7,483	211	3,273	15,488	26,455	52
53	Electrical industrial equipment and apparatus .....	13,437	9,198	205	4,034	14,372	27,809	53
54	Household appliances .....	5,863	3,506	130	2,227	10,775	16,636	54
55	Electric lighting and wiring equipment .....	9,025	5,708	143	3,174	10,086	19,111	55
56	Audio, video, and communication equipment .....	24,624	14,449	384	9,791	27,531	52,155	56
57	Electronic components and accessories .....	34,420	23,599	526	10,295	36,520	70,940	57
58	Miscellaneous electrical machinery and supplies .....	8,896	6,267	160	2,469	12,327	21,223	58
59A	Motor vehicles (passenger cars and trucks) .....	23,958	16,975	960	6,023	126,790	150,738	59A
59B	Truck and bus bodies, trailers, and motor vehicles parts .....	25,285	22,360	438	2,487	54,981	80,266	59B
60	Aircraft and parts .....	43,482	35,059	670	7,753	58,227	101,709	60
61	Other transportation equipment .....	14,369	10,601	182	3,586	15,631	30,000	61
62	Scientific and controlling instruments .....	60,227	39,582	638	20,007	45,262	105,489	62
63	Ophthalmic and photographic equipment .....	14,319	4,934	146	9,239	9,812	24,131	63
64	Miscellaneous manufacturing .....	17,952	12,280	341	5,331	23,363	41,315	64
65A	Railroads and related services; passenger ground transportation .....	34,390	23,458	1,006	9,926	21,364	55,754	65A
65B	Motor freight transportation and warehousing .....	83,371	55,533	2,615	25,223	83,582	166,953	65B
65C	Water transportation .....	12,796	7,140	583	5,073	19,644	32,440	65C
65D	Air transportation .....	42,166	32,761	5,696	3,709	51,975	94,141	65D
65E	Pipelines, freight forwarders, and related services .....	19,624	10,710	993	7,921	13,992	33,616	65E
66	Communications, except radio and TV .....	120,561	43,959	12,620	63,982	87,533	208,094	66
67	Radio and TV broadcasting .....	11,809	8,399	541	2,869	17,550	29,359	67
68A	Electric services (utilities) .....	110,976	22,255	12,554	72,167	59,920	170,896	68A
68B	Gas production and distribution (utilities) .....	22,373	5,837	4,329	12,207	70,784	93,157	68B
68C	Water and sanitary services .....	8,802	4,337	1,833	2,632	10,380	19,182	68C
69A	Wholesale trade .....	399,937	231,373	101,516	67,048	169,033	568,970	69A
69B	Retail trade .....	359,670	216,386	73,207	70,777	162,849	522,519	69B
70A	Finance .....	250,165	145,483	16,337	88,345	166,107	416,272	70A
70B	Insurance .....	103,876	91,915	13,920	-1,959	127,221	231,097	70B
71A	Owner-occupied dwellings .....	398,831	.....	73,022	325,809	58,419	457,250	71A
71B	Real estate and royalties .....	412,233	48,354	79,726	284,153	137,880	550,113	71B
72A	Hotels and lodging places .....	33,531	21,166	5,222	7,143	26,071	59,602	72A
72B	Personal and repair services (except auto) .....	53,997	30,383	2,095	21,519	37,775	91,772	72B
73A	Computer and data processing services .....	71,345	49,419	1,889	20,519	44,385	115,730	73A
73B	Legal, engineering, accounting, and related services .....	170,992	119,231	1,717	50,044	85,369	256,361	73B
73C	Other business and professional services, except medical .....	246,758	145,046	5,575	96,137	93,687	340,445	73C
73D	Advertising .....	19,229	11,774	352	7,103	10,636	29,865	73D
74	Eating and drinking places .....	134,648	95,245	16,647	22,756	146,060	280,708	74
75	Automotive repair and services .....	72,991	39,070	6,708	27,213	65,390	138,381	75
76	Amusements .....	66,696	39,403	5,012	22,281	54,672	112,368	76
77A	Health services .....	371,448	290,825	3,437	77,186	193,538	564,986	77A
77B	Educational and social services, and membership organizations .....	125,701	116,120	524	9,057	102,631	228,332	77B
78	Federal Government enterprises .....	46,883	47,839	.....	-956	14,089	60,972	78
79	State and local government enterprises .....	40,089	27,599	.....	12,490	52,717	92,806	79
82	General government industry .....	764,389	654,208	.....	110,181	.....	764,389	82
84	Household industry .....	10,087	10,087	.....	.....	.....	10,087	84
85	Inventory valuation adjustment .....	-7,982	.....	.....	-7,982	.....	-7,982	85
T	<b>Total</b> .....	<b>6,233,905</b>	<b>3,645,042</b>	<b>505,591</b>	<b>2,083,272</b>	<b>4,588,742</b>	<b>10,822,647</b>	<b>T</b>