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**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997**

**INSTRUCTIONS**

**1. General** – The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in item 18B. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies which are not listed, describe and report them in the "Cost of all other materials . . ." line at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . .," Census material code 970099 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**2. Valuation of Materials Consumed** – The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amounts actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

**3. Contract Work** – Include as materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in item 10, line e, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

**4. Resales** – Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in item 10, line b, not in item 17 below. The value of these products shipped by this establishment should be reported in item 18B under Census product code 99989 00 6, "Resales."

**5. Produced and Consumed** – Forgings, foundries, and screw machine products – Report the quantities produced and used in manufacturing other products made in this establishment in item 19. Note that the materials used to produce these items should be reported in item 17.

Line No.	Materials, parts, and supplies  <b>(A)</b>	Census material code  <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) <b>(E)</b>		
			574 Millions	Thou- sands	Dollars
<b>1</b>	Electric motors and generators	362100 2	\$		
<b>2</b>	Electrical transmission, distribution, and control equipment	360101 0			
<b>3</b>	Fluid power (hydraulic and pneumatic) pumps, motors, and hydrostatic transmissions	359412 4			
<b>4</b>	Fluid power (hydraulic and pneumatic) cylinders and rotary actuators	359301 9			
<b>5</b>	Fluid power (hydraulic and pneumatic) hose or tube fittings or assemblies	349261 8			
<b>6</b>	Fluid power (hydraulic and pneumatic) valves	349271 7			
<b>7</b>	Speed changers, gears, and industrial high-speed drives	356601 5			
<b>8</b>	BEARINGS (Including both mounted and unmounted bearings)				
	Ball	356218 8			
<b>9</b>	Roller	356201 4			
<b>10</b>	Diesel, semidiesel, gasoline, and other carburetor engines	351910 5			
<b>11</b>	FABRICATED METAL PRODUCTS, EXCEPT FORGINGS AND FLUID POWER VALVES AND HOSE OR TUBE FITTINGS AND ASSEMBLIES				
	Metal stampings	346901 2			
<b>12</b>	Bolts, nuts, washers, rivets, and screw machine products	345001 2			
<b>13</b>	Fabricated structural metal products, including metal tanks, heat exchangers, steam condensers, other boiler products, steel plate, weldments, and sheet metal products	344001 3			
<b>14</b>	Fabricated wire products (including wire rope, cable, springs, etc.)	349012 5			
<b>15</b>	All other fabricated metal products, including wire products	340079 3			

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**Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued**

Line No.	Materials, parts, and supplies  <b>(A)</b>		Census material code  <b>(B)</b>	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) <b>(E)</b>		
				574 Millions	Thou- sands	Dollars
16	Forgings		346000 3	\$		
17	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
18		Nonferrous	336010 4			
19	<b>Shapes and Forms (Except castings, forgings, and fabricated metal products)</b>	STEEL	Bars, bar shapes, and plates	331007 5		
20			Sheet and strip	331022 4		
21			Structural shapes and sheet piling	331023 2		
22			All other	331091 9		
23		Nonferrous	336002 1			
24	Rubber and plastics hose and belting		305201 6			
25	Fabricated plastics products (except gaskets, hose, and belting)		308004 1			
26	Tires and inner tubes		301100 4			
27	Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products		285101 2			
28	Cost of all other materials and components, parts, containers, and supplies consumed . . . . . <i>Describe the principal materials, etc., included in this value.</i>		970099 8			
29	<b>TOTAL</b> Sum of lines 1–28 should equal item 10, line a			\$		

**Item 18A – Not applicable to this report**

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**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997**

**INSTRUCTIONS**

**1. General** – The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of item 18B. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

**2. Valuation of Products** – Report the value of the products shipped and services performed at the net selling value, f.o.b. plant to the customer; i.e., after discounts and allowances, and exclusive of freight charges and excise taxes.

If you transfer products to other establishments within your company, you should assign the full economic value to the transferred products; i.e., include all direct costs of production and a reasonable proportion of all other costs and profits.

**3. Contract Work** – Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census product code 93000 00 8.

**4. Resales** – Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census product code 99989 00 6, "Resales."

**5. Detailed Data Reported Elsewhere** – Items denoted by an asterisk(\*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR forms, the sum of the detailed CIR products should equal the total reported on this census form.

**NOTE:** Only CIR totals are requested; do not duplicate detail reported on the CIR.

The Current Industrial Reports related to this report are as follows:

- a. MA35A, Farm Machinery and Lawn and Garden Equipment
- b. MA35D, Construction Machinery
- c. MA35F, Mining Machinery and Mineral Processing Equipment
- d. MA35L, Internal Combustion Engines
- e. MA35N, Fluid Power Products, including Aerospace
- f. MA35P, Pumps (except Hydraulic) and Compressors
- g. MA36H, Motors and Generators

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports		Census product code 581	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts			
				CIR form 581	Item code	Value, f.o.b. plant (E)			
	(A)	(B-1)	(B-2)			(B-3)	Millions	Thousands	Dollars
1	Railway maintenance of way equipment (rail layers, ballast spreaders, etc.), except rail cars (report rail cars in "all other products", lines 113-120)		3531X 21 0				\$		
2	Parts for railway maintenance of way equipment, except parts for rail cars (report parts for rail cars in "all other products", lines 113-120)		3531X 80 6						
3	Personnel aerial work platforms, complete units, including boom and scissors type and truck-mounted (report parts on line 9)*		3531W 30 3	MA35D	9131 – 9137				
4	Winches for mounting on wheel or crawler tractors or other prime movers, complete units (including for construction machinery, logging, and oil field use; report parts on line 8)*		3531W 42 8	MA35D	9206				
5	OTHER WINCHES, INCLUDING FOR MARINE USE; COMPLETE UNITS (Report parts on line 9)	Electric	3531W 53 5						
6		Other	3531W 55 0						
7	Automobile hoists (used on tow trucks), complete units (report parts on line 9)		3531W 61 8						
8	Parts for winches for mounting on tractors or other prime movers, sold separately		3531W 70 9						
9	Parts for aerial work platforms, automobile hoists, and other winches, sold separately		3531W 80 8						
10	Power cranes, draglines, excavators, and dedicated attachments; including surface mining equipment (excluding replacement parts and machinery for mounting on tractors and other prime movers; report parts on line 11; report overhead traveling cranes on lines 66-74; report truck-type materials-handling cranes used in commercial terminals, industrial plants, etc., in "all other products", lines 113-120)*		35311 00 0	MA35D	4073-4293				
11	Parts for power cranes, draglines, excavators, surface mining equipment, and dedicated attachments (sold separately)		35319 10 2						

**CONTINUE WITH ITEM 18B ON PAGE 8**

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports  <b>(A)</b>	Census product code 581 <b>(B-1)</b>	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
			CIR form <b>(B-2)</b>	Item codes <b>(B-3)</b>	Value, f.o.b. plant <b>(E)</b>		
					584 Millions	Thou- sands	Dollars
12	Mixers, pavers, and related equipment (asphalt plants and bituminous distributors, stabilization equipment, cold planers and milling machines; concrete batching plants, vibrators, pumps, trowels, screeds, etc.), excluding parts (report parts on line 13)*	35312 00 8	MA35D	3222–3295	\$		
13	Parts for mixers, pavers, and related equipment (sold separately)	35319 20 1					
14	Off-highway trucks, coal haulers, truck-type tractor chassis, trailers and wagons; excluding parts (report attachments on line 23 and replacement parts on line 15; report materials-handling trucks used in commercial terminals, industrial plants, etc., and highway-type trucks, in "all other products", lines 113–120)*	35313 00 6	MA35D	8621–8625			
15	Parts for off-highway trucks, coal haulers, truck-type trailer chassis, trailers, and wagons (sold separately)	35319 30 0					
16	Tractor shovel loaders sold with or without attachments; (including integral design loader/backhoes; excluding parts; report attachments on line 23 and replacement parts on line 18)*	35314 00 4	MA35D	7160–7195			
17	Crawler tractors and contractors' off-highway wheel tractors (wheel and crawlers construction-type tractors, dozers, and self-propelled skidders, sold with or without attachments; excluding parts; report attachments on line 23 and replacement parts on line 18)*	35315 00 1	MA35D	1140–2000			
18	Parts for crawler tractors, contractors' off-highway wheel tractors, and tractor shovel loaders (sold separately)	35319 45 8					
19	Motor graders and light maintainers, rollers and compactors, rough-terrain forklifts, scraper bowls, and self-propelled continuous ditchers and trenchers; excluding parts (report attachments on line 23 and replacement parts on line 20; report smooth-surface forklifts and parts in "all other products", lines 113–120)*	35316 00 9	MA35D	8601–8616 8636–9118			
20	Parts for graders, rollers, compactors, forklifts, scrapers, and self-propelled continuous ditchers and trenchers (sold separately)	35319 60 7					
21	Portable crushing plants, screening plants, washing plants, and combination plants (report parts on line 33; see also lines 36 and 43 for nonportable plants)*	35318 07 0	MA35F	0951–0957			
22	Snow-clearing attachments for mounting on tractors or trucks, including v-shaped snow plows, single blades and wings, and snow blowers (report rotary snow blowers on line 32 and replacement parts for snow-clearing attachments or rotary snow blowers on line 33)	35318 23 7					
23	Construction machinery for mounting on tractors, trucks, or other prime movers (excluding winches and snow-clearing attachments), complete units (see line 24 for parts)*	35317 00 7	MA35D	9121–9124			
24	Parts for construction machinery for mounting on tractors or other prime movers (sold separately; report parts for winches on line 8 or 9 and parts for snow-clearing attachments on line 33)	35319 70 6					
25	OTHER CONSTRUCTION AND RELATED MACHINERY AND EQUIPMENT, EXCLUDING PARTS (Report parts on line 33)	Commercial brush, limb, and log choppers for waste wood reduction	35318 26 0				
26		Log splitters	35318 27 8				
27		Dredging machinery, hydraulic and other types (report excavators and attachments for use in construction and surface mining on line 10 and parts for them on line 11)	35318 35 1				
28		Digger-derricks	35318 43 5				
29		Horizontal earth boring machines and accessories	35318 45 0				
30		Vertical earth augers and power posthole diggers (excluding water well and blasthole drills; report those on line 34)	35318 47 6				
31		Pile driving equipment (including hammers and extractors)	35318 49 2				
32		All other construction machinery and equipment – <i>Specify kind</i>	35318 99 3				

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports  <b>(A)</b>	Census product code  <b>(B-1)</b>	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
			CIR form <b>(B-2)</b>	Item codes <b>(B-3)</b>	Value, f.o.b. plant <b>(E)</b>		
					584 Millions	Thou- sands	Dollars
<b>33</b>	Parts for other construction (and similar) machinery and equipment reported in product codes beginning with "35318"	35319 80 5			<b>\$</b>		
<b>34</b>	Underground mining machinery (except parts sold separately)*	35325 00 0	MA35F	1085–1185			
<b>35</b>	Mineral processing and beneficiation equipment (except parts sold separately)	35326 00 8					
<b>36</b>	Crushing, pulverizing, and screening machinery (except parts sold separately and portable crushing, screening, washing, and combination plants; see line 21)*	35327 00 6	MA35F	2415–2490			
<b>37</b>	Drills and other mining machinery, not elsewhere classified (except parts sold separately)*	35328 00 4	MA35F	4004–4075			
<b>38</b>	MINING/ ROCK DRILL BITS	Percussion rock mining drill bits, with working part of sintered metal carbide or cermets, and base metal parts thereof	35329 23 4				
<b>39</b>		Rock mining drill bits other than percussion, with working part of sintered metal carbide or cermets, and base metal parts thereof	35329 25 9				
<b>40</b>		Other mining drill bits with working part of sintered metal carbide or cermets, and base metal parts thereof	35329 27 5				
<b>41</b>		Drill bits not having a working part of sintered metal carbide or cermets, and base metal parts thereof	35329 29 1				
<b>42</b>	PARTS AND ATTACHMENTS FOR MINING MACHINERY AND EQUIPMENT, EXCEPT DRILL BITS	For underground mining vehicles	35329 61 4				
<b>43</b>		For minerals crushing, grinding, sorting, separating, or washing machines (except portable; see line 21)	35329 63 0				
<b>44</b>		For lifting, handling, loading, or unloading machinery for underground mines	35329 65 5				
<b>45</b>		For boring or sinking machinery other than coal or rock cutters and tunneling machinery	35329 67 1				
<b>46</b>		For other mining machinery, not elsewhere classified	35329 69 7				
<b>47</b>	PORTABLE DRILLING RIGS AND PARTS	Portable drilling rigs used on the surface (above ground)*	3533A 10 7	MA35F	6005–6495		
<b>48</b>	<b>(3533A)</b>	Parts for portable drilling rigs used on the surface (above ground)*	3533A 78 4	MA35F	6500		
<b>49</b>	Other oil and gas field machinery and equipment (except pumps and offshore platforms; report pumps on line 102 and offshore platforms on lines 113–120) – <i>Specify kind</i>						
<b>50</b>	Commercial turf and grounds care equipment, including parts*	3523F 00 9		8101–8118, 8123–8143			
<b>51</b>	FARM MACHINERY AND EQUIPMENT	Planting, seeding, and fertilizing machinery and attachments (except turf)*	35233 00 6	MA35A	6321–6384		
<b>52</b>		Haying machinery (including straw) and attachments*	35236 00 9		6613–6683		
<b>53</b>		Other harvesting machinery and attachments*	35235 00 1		6511–6583		
<b>54</b>		Operator cabs for farm machinery	35239 53 2				
<b>55</b>		Other, except parts – <i>Specify kind</i>	35230 00 2				
<b>56</b>		Other parts for farm-type wheel tractors*	35239 26 8	MA35A	6199		
<b>57</b>		Other parts, not elsewhere classified*	35239 31 8		See page 2 of MA35A Instructions		
<b>58</b>		Consumer lawn, garden, and snow machinery*	35240 00 1		8202–8335 except "totals"		

**CONTINUE WITH ITEM 18B ON PAGE 10**

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued									
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports			Census product code	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
							Value, f.o.b. plant		
	(A)	581 (B-1)	CIR form (B-2)	Item codes (B-3)	(E)				
					584 Millions	Thou- sands	Dollars		
59	<b>Hoist (Except aircraft loading hoists, aerial work platforms, and automobile wrecker hoists; report aircraft loading hoists on line 89, and automobile wrecker hoists and aerial work platforms on lines 3, 7, and 9)</b>	HAND HOISTS	Chain	35363 01 9			\$		
60			Ratchet lever	35363 02 7					
61			Wire rope pullers	35363 03 5					
62		CHAIN HOISTS, EXCEPT HAND	Electric (roller and link)	35363 13 4					
63			Air and other nonelectric	35363 32 4					
64		Other hoists – <i>Specify whether or not wire rope and whether or not electric:</i>							
				35363 00 1					
65		Parts and attachments, sold separately			35363 45 6				
66		<b>Overhead Traveling Cranes and Monorail Systems (Report construction power cranes on line 10 and industrial cranes for warehouse-, depot-, and terminal-type use on line 89)</b>	OVERHEAD TRAVELING CRANES	Single top running bridge type	35364 01 7				
67				Double top running bridge type	35364 02 5				
68	Under running bridge type			35364 03 3					
69	Gantry type			35364 04 1					
70	Stacker/storage type			35364 05 8					
71	Other, on fixed support			35364 07 4					
72	Other, NOT on fixed support			35364 08 2					
73	Buckets, grabs, and grips			35364 15 7					
74	Other parts and attachments, sold separately				35364 16 5				
75	MONORAIL SYSTEMS		Complete units (either manual or powered)		35364 52 0				
76		Parts and attachments, sold separately			35364 54 6				
77	<b>Conveyors and Conveying Systems (Except hoists and farm elevators; report hoists on lines 3, 7, 9, and 59-65, and report farm elevators on line 55)</b>	UNIT HANDLING CONVEYORS AND CONVEYING SYSTEMS	Complete units, including gravity, trolley, tow, powered, pneumatic tube, portable, pallet conveyors, and carrousel – <i>Specify kind and whether for heavy duty:</i>						
					35353 00 2				
78	(Continued on next page)	Parts, attachments, and accessories, sold separately			35354 00 0				

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports  (A)			Census product code  581 (B-1)	Corresponds to the sum of products reported for 1997 on -		Products shipped and other receipts		
					CIR form (B-2)	Item codes (B-3)	Value, f.o.b. plant (E)		
							584 Millions	Thou- sands	Dollars
79	Conveyors and Conveying Systems (Except hoists and farm elevators; report hoists on lines 3, 7, 9, and 59-65, and report farm elevators on line 55) - Continued	BULK MATERIAL HANDLING CONVEYORS AND CONVEYING SYSTEMS (Report loading and storing systems other than traveling stackers on lines 113-120)	Traveling stackers	35355 51 0			\$		
80			Bucket wheel reclaimers	35355 41 1					
81			Vibrating feeders	35355 43 7					
82			Other unloading and reclaiming systems, including bins, aprons, feeders, gates, etc.	35355 45 2					
83			Belt conveyors and systems	35355 05 6					
84			Portable conveyors	35355 19 7					
85			Vibrating conveyors	35355 27 0					
86			Other, including bucket elevators; screw, pneumatic, en masse, apron, flight, and drag conveyors, etc. - Specify kind	35355 00 7					
87			Parts, attachments, and accessories, sold separately - Specify whether belt idlers, belt pulleys, or other:	35356 00 5					
88	Elevators, moving stairways, automobile lifts, and dumbwaiters			35340 00 9					
89	Industrial trucks, tractors, forklifts, truck-type cranes, and related equipment for materials-handling operations on smooth surfaces in and around industrial and commercial plants, depots, docks, airports, and terminals; and parts			35370 00 6					
90	TRUCK AND BUS BODIES (Including bodies for other vehicles except passenger cars)	Bodies for sale separately - Specify kind of truck or other vehicle:		37131 00 0					
91		Complete vehicles produced on purchased chassis - Specify kind of truck or other vehicle:		37132 00 8					
92	Motor vehicle parts and accessories - Specify kind of product and whether new or rebuilt:			37140 00 1					
93	Automobile and light truck trailers, and trailer hitches - Specify kind			37990 00 9					
94	Pneumatic hydraulic, and powder-actuated power-driven handtools (except for construction use; report those on line 32); including parts			35462 00 1					
95	Other power-driven handtools (except for construction use; report those on line 32); including parts			35460 00 5					
96	Electric motors and generators			36210 00 3	MA36H	1015-8595 except "totals"			
97	Diesel, semidiesel, and dual fuel engines (except automotive, highway truck, bus, and tank)*			35193 00 2	MA35L	9331-9353			

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued							
Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports  <b>(A)</b>	Census product code  <b>(B-1)</b>	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
			CIR form <b>(B-2)</b>	Item codes <b>(B-3)</b>	Value, f.o.b. plant <b>(E)</b>		
		581	584	Millions	Thou- sands	Dollars	
98	Parts and accessories for internal combustion engines (except aircraft and gasoline automotive engines and gas turbines)	35199 00 9			\$		
99	Hydraulic fluid power cylinders and actuators, non-aerospace-type, linear or rotary*	35934 00 9	MA35N	4501–4519			
100	Fluid power (hydraulic and pneumatic) pumps, motors, and parts; including hydrostatic transmissions*	35940 00 6	MA35N	5504–5597			
101	Air and gas compressors, vacuum pumps, and parts*	35630 00 3	MA35P	3298–3388, 3398–3900			
102	Oil well and oil field pumps, except boiler feed (report boiler feed pumps on line 103)*	35617 00 0	MA35P	1686–1721			
103	Industrial pumps (except hydraulic fluid power pumps, automotive circulating pumps, and gasoline service station measuring and dispensing pumps; include value of the driver if shipped as a complete unit)*	35612 00 1	MA35P	1098–1298			
104	Mechanical power transmission equipment (except antifriction bearings and gears and gearboxes; report those on lines 113–120) – <i>Specify kind</i>	35680 00 8					
105	Food products machinery (except packaging, refrigeration, and commercial cooking and food-warming machinery; report those on lines 113–120) – <i>Specify kind and whether for commercial, industrial, dairy, or bakery use:</i>	35560 00 2					
106	Fabricated structural steel for buildings, bridges, ships, offshore oil or gas platforms, transmission towers, tunneling, and subway work – <i>Specify for what use:</i>	34410 00 1					
107	Weldments and fabricated steel plate, and other boiler shop products, including tanks, vessels, heat exchanges, and gas cylinders	34430 00 9					
108	Architectural and ornamental metal work, including stairs, railings, fences and gates (except wire), grilles, registers, air difusers, grating, etc. – <i>Specify kind of product:</i>	34460 00 6					
109	Sheet metal work	34440 00 8					
110	Wire products not elsewhere classified – <i>Specify kind of product and type of metal:</i>	34960 00 5					
111	Heat treating of metal, for the trade	33980 00 4					
112	Receipts for machine shop job work and job order repairs	35995 00 0					

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**Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued**

Line No.	Products and services  <b>(A)</b>		Census product code  <b>(B-1)</b>	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
				CIR form <b>(B-2)</b>	Item codes <b>(B-3)</b>	Value, f.o.b. plant <b>(E)</b>		
			581			584	Millions	Thousands
113	ALL OTHER PRODUCTS MADE IN THIS ESTABLISHMENT	<i>Describe and report separately each product with a sales value of \$50,000 or more which cannot be assigned to one of the lines above. For all remaining products, write "Other" and report a single total value.</i>	18			\$		
114			26					
115			34					
116			42					
117			59					
118			67					
119			75					
120			83					
121			CONTRACT WORK	Receipts for work done for others on their own materials . . . . . <i>Describe below products worked on and kind of work.</i>	93000 00 8			
122	RESALES	Sales of products bought and sold without further manufacture, processing, or assembly in this establishment. The cost of such items should be reported in item 10, line b.	99989 00 6					
123	MISCELLANEOUS RECEIPTS	Receipts for repair work	99980 61 7					
124		Other miscellaneous receipts (including receipts for installation fees, equipment rental and leasing, research and development, sale of scrap and refuse, etc.)	99980 98 9					
125	<b>TOTAL value of shipments and other receipts</b> Sum of lines 1–124, column (E)		77000 00 8			\$		

CONTINUE WITH ITEM 19 ON PAGE 14

**Item 19. SELECTED PRODUCTS PRODUCED IN THIS ESTABLISHMENT AND USED IN MANUFACTURING OTHER PRODUCTS MADE IN THIS ESTABLISHMENT**

**INSTRUCTIONS**

1. Report below the quantity of each listed item produced in this establishment and used in manufacturing other products made in this establishment.
2. Purchases or receipts of the items specified below should be reported only in item 17.
3. Materials used to produce the items specified below should be reported in item 17.
4. Quantities produced for sale as such and not for incorporation in other products should be reported in item 18B.
5. Report quantities in the unit of measure specified in column (D).

Line No.	Item  (A)	Census code		Was this operation performed at this establishment during 1997?		Unit of measure for quantities  (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment	
		591 (B)	592 (C)	Yes	No		593 (E)	
1	Ferrous foundries	1001	7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons		
2	NONFERROUS FOUNDRIES (Except die-casting)		1002	5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	↑ Thousand pounds ↓	
3			1003	3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
4			1004	1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5			1005	8	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
6	Nonferrous die-casting foundries	1006	6	1 <input type="checkbox"/>	2 <input type="checkbox"/>			
7	Precision turned products (on screw machines, turning centers, and CNC equipment)	1007	4	1 <input type="checkbox"/>	2 <input type="checkbox"/>			

Items 20 and 21 – Not applicable to this report

REMARKS – Please use this space for any explanations that may be essential in understanding your reported data.

**Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.**

Name of person to contact regarding this report ( <i>Print or type</i> )				Telephone	Area code	Number	Extension
667	1				2		
Name of company				Address ( <i>Number and street, city, State, ZIP Code</i> )			
Period covered		FROM: Month	Day	Year	TO: Month	Day	Year
		666	1		2		
Signature of authorized person				Title			Date