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Census File Number

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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

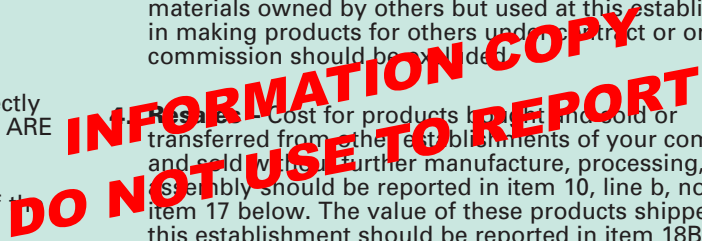
Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

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 reported in item 10, line b.

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 (A)		Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in) (E)		
				574 Millions	Thou- sands	Dollars
1	FABRICATED METAL PRODUCTS	Sheet metal products (except stampings)	344401 5	\$		
2	(Except forgings)	Bolts, nuts, screws, rivets, washers, and screw machine products	345001 2			
3		All other fabricated metal products	340094 2			
4		Forgings	346000 3			
5		Castings (rough and semifinished)	330091 0			
6	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5		
7			Sheet and strip	331022 4		
8			Structural shapes and sheet piling	331023 2		
9			All other steel shapes and forms	331091 9		
10		NONFERROUS	Nonferrous metal smelter and refinery shapes (including precious metal)	333001 6		
11			Aluminum and aluminum-base alloy, except wire	335025 3		
12			Copper and copper-base alloy, except wire	335125 1		
13		All other nonferrous shapes and forms	335098 0			
14		Nonferrous wire and cable, including magnet wire, bare or insulated wire, etc.	335701 9			
15	INDUSTRIAL ELECTRICAL CONTROL EQUIPMENT	(Received for incorporation only into other industrial electrical control equipment shipped as such by this plant) Purchased from other companies	362500 1			
16		Received from other plants of your company	362501 9			

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued					
Line No.	Materials, parts, and supplies (A)	Census material code (B)	Consumption of purchased materials and of materials received from other establishments of your company		
			Cost, including delivery cost (freight-in) (E)		
			574 Millions	Thou- sands	Dollars
17	Porcelain, steatite, and other ceramic electrical products	326400 9	\$		
18	Plastics products consumed in the form of sheets, rods, tubes, and other shapes	308007 4			
19	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc., excluding sheets, rods, tubes, and shapes	282104 9			
20	Switches (except snap, toggle, and push, and circuit breakers)	361301 5			
21	Resistors, capacitors, transformers, transducers, and other electronic-type components (excluding electron tubes and semiconductors)	367001 5			
22	Semiconductors, microprocessors, memory, ASICs and power semiconductor devices	367011 4			
23	Printed circuit boards (without inserted components) for electronic circuitry	367201 1			
24	Cost of all other materials and components, parts, containers, and supplies consumed <i>Describe the three principal materials, etc., included in this value.</i>	970099 8			
25	TOTAL Sum of lines 1–24 should equal item 10, line a		\$		

Item 18A. Not applicable to this report.

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

- a. MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls
- b. MA36K, Wiring Devices and Supplies
- c. MA38B, Selected Instruments and Related Products

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

Line No.	Products and services *Item corresponds to products reported on Current Industrial Reports (A)	Census product code (B-1)	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts		
			CIR form (B-2)	Item code (B-3)	Value, f.o.b. plant (E)		
					584 Millions	Thou- sands	Dollars
1	Switchgear (except ducts and relays)* (36139)	36139 00 4	↑ MA36A ↓	5314–5361	\$		
2	Power circuit breakers, all voltages* (36132)	36132 00 9		2021–2052			
3	Low voltage panelboards and distribution boards and other switching and interrupting devices, 1000 volts or less (include higher voltages on line 1)* (36133)	36133 00 7		3001–3201			

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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		Census product code 581	Corresponds to the sum of products reported for 1997 on –		Products shipped and other receipts			
						Value, f.o.b. plant (E)			
				(A)	(B-1)	(B-2)	(B-3)	584 Millions	Thou- sands
4	Fuses and fuse equipment less than 2300 volts (except power distribution cut-outs; include higher voltages in product code 38220 00 0 on line 12)* (36134)		36134 00 5	MA36A	4001-4301	\$			
5	Molded case circuit breakers, 1000 volts or less (include higher voltages on line 1)* (36135)		36135 00 2		5102-5115				
6	Duct (including plug-in units and accessories) 1000 volts or less (include higher voltages on line 1)* (36136)		36136 00 0		5201, 5205				
7	RELAYS AND INDUSTRIAL CONTROLS	Relays for electronic circuitry, industrial control, overload, and switchgear type* (36251)	36251 00 7		5400-5496				
8		Specific-purpose industrial controls* (36252)	36252 00 5		6101-6355				
9		General-purpose industrial controls* (36253)	36253 00 3		6402-6509				
10		Parts for industrial controls and motor-control accessories* (36254)	36254 00 1		6703, 6705				
11	Search, detection, navigation, and guidance systems and equipment* (38122)		38122 00 8		MA38B	4202-4382			
12	Automatic controls for regulating residential and commercial environments and appliances* (38220)		38220 00 0			4570-4609			
13	Process control instruments* (38230)		38230 00 9			4612-4897			
14	Instruments to measure electricity* (38250)		38250 00 7	5610-5631					
15	Electrical industrial apparatus (capacitors for industrial use; rectifying apparatus; and other electrical equipment for industrial use) (except for electronic circuitry)		36290 00 5						
16	CURRENT-CARRYING WIRING DEVICES	Lampholders* (36431)	36431 00 5	MA36K	2000-2026				
17		Convenience and power outlets, both general-and special-purpose (excluding pin- and sleeve-type)* (36432)	36432 00 3		3027-3037				
18		Switches for electrical circuitry (including vehicular switches)* (36433)	36433 00 1		3109-3137				
19		Metal contacts, precious and other* (36434)	36434 00 9		3175				
20		Wire connectors for electrical circuitry* (36435)	36435 00 6		3182-3189				
21		Other current-carrying wiring devices (including attachment plug caps, connector bodies, lightning arrestors, pin- and sleeve-convenience power outlets, etc.)* (36436)	36436 00 4		3633-3698				
22	NONCURRENT-CARRYING WIRING DEVICES	Pole and transmission line hardware* (36441)	36441 00 4	4112-4119					
23		Electrical conduit and conduit fittings* (36442)	36442 00 2	4201-4262					
24		Other noncurrent-carrying wiring devices and supplies* (36443)	36443 00 0	4331-4368					
25	Transformers, except electronic		36120 00 4						
26	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						
27			26						
28	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						

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 code (B-3)	Value, f.o.b. plant (E)		
						584 Millions	Thou-sands	Dollars
29	MISCELLANEOUS RECEIPTS	Receipts for repair work, sales of scrap and refuse, etc.	99980 00 5			\$		
30	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					
31	TOTAL value of shipments and other receipts Sum of lines 1-30, column (E)		77000 00 8			\$		

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

INSTRUCTIONS

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

Line No.	Item (A)	Census code 591 (B)	Was this operation performed at this establishment during 1997? 592 (C)		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment 593 (E)	
			Yes	No			
			1	Ferrous foundries			1001 7
2	NONFERROUS FOUNDRIES (Except die-casting)	Aluminum	1002 5	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Thousand pounds	
3		Copper	1003 3	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
4		Zinc	1004 1	1 <input type="checkbox"/>	2 <input type="checkbox"/>		
5		Other	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	