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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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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	PUMPS	Hydraulic and pneumatic fluid power pumps, motors, and hydrostatic transmissions	359412 4	\$		
2		Other pumps, except hydraulic	356102 4			
3	FLUID POWER PRODUCTS (Hydraulic and pneumatic) (Except pumps and motors)	Valves	349271 7			
4		Hose or tube fittings and assemblies	349261 8			
5		Cylinders and rotary actuators	359301 9			
6		Filters	356921 7			
7		Other fluid power products (except pumps, valves, compressors, hose or tube fittings and assemblies, cylinders and rotary actuators, and filters)	190089 3			
8	Fabricated metal products (except forgings)		340075 1			
9	Forgings		346000 3			
10	CASTINGS (Rough and semifinished)	Iron and steel	332001 7			
11		Aluminum and aluminum-base alloy	336005 4			
12		Other nonferrous	336003 9			
13	Shapes and Forms (Except castings, forgings, and fabricated metal products)	STEEL	Bars, bar shapes, and plates	331007 5		
14			Sheet and strip	331022 4		
15			Other steel shapes and forms	331034 9		
16		Nonferrous shapes and forms	336002 1			

CONTINUE WITH ITEM 17 ON PAGE 6

Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued						
Line No.	Materials, parts, and supplies		Census material code	Consumption of purchased materials and of materials received from other establishments of your company		
				Cost, including delivery cost (freight-in)		
	(A)	(B)	574	574	Thou-	Dollars
				Millions	sands	
17	ELECTRIC MOTORS AND GENERATORS	Fractional horsepower electric motors (below 1 hp), excluding timing motors	362115 8	\$		
18		Integral horsepower motors and generators (1 hp or more)	362120 8			
19	BEARINGS (Mounted or unmounted)	Ball	356218 8			
20		Roller	356201 4			
21	Fabricated plastics products (except gaskets)		308006 6			
22	Electronic computing equipment and parts		357004 1			
23	Electrical transmission, distribution, and control equipment, etc. (except numerical controls)		360101 0			
24	Numerical controls for woodworking machinery and equipment		362522 5			
25	Paperboard containers, boxes, and corrugated paperboard		265001 8			
26	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			
27	TOTAL Sum of lines 1-26 should equal item 10, line a			\$		

Item 18A – Not applicable to this report

CONTINUE WITH ITEM 18B ON PAGE 7

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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 reported on this census form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

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

Line No.	Products and services (A)			Census product code 581	Unit of measure for quantities (C)	Products shipped and other receipts			
						Quantity 583	Value, f.o.b. plant (E)		
				(B)	(D)		584 Millions	Thou- sands	Dollars
1	Woodworking Machinery (Except machinery designed primarily for home workshops, garages, and service shops) (Excluding chain saws and other power-driven handtools), Including Parts, Attachments, and Accessories (35533)	SAWMILL EQUIPMENT	Saws (head rigs)	Circular	35533 11 6		\$		
2				Band	35533 13 2				
3			Removing bark from logs equipment	35533 14 0					
4			Chipping or splitting wood equipment	35533 16 5					
5			Specialized sawmill materials handling equipment	35533 17 3					
6			Other sawmill equipment	35533 18 1					
7		Sawing machines (except sawmill equipment)	35533 19 9						
8		Planing machinery (including single and double planers, facers, jointers, and abrasive planers)	35533 21 5						
9		Sanding machines	35533 23 1						
10		Boring machines	35533 25 6						
11		Mortising and tenoning machines	35533 27 2						
12		Lathes or turning machines	35533 29 8						
13		Routers	35533 33 0						
14		Shapers and profilers	35533 34 8						
15		Assembling, gluing, laminating, and finishing machines	35533 35 5						
16		Multifunction machines	35533 37 1						
17		Bending machines	35533 39 7						
18		Milling or molding (by cutting) machines	35533 41 3						
19		Dryers for woodworking machinery	35533 43 9						
20		Other woodworking machines and equipment	35533 49 6						
21		Parts, attachments, and accessories for woodworking machinery (sold separately), excluding saw blades and cutting tools. (Report woodworking cutting tools, sold separately, on line 46)	35533 87 6						

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

Line No.	Products and services (A)		Census product code (B)	Unit of measure for quantities (C)	Products shipped and other receipts					
					Quantity (D)	Value, f.o.b. plant (E)				
						584 Millions	Thou- sands	Dollars		
22	WOOD-WORKING MACHINERY (Designed primarily for home workshops, garages, and service shops) (Excluding chain saws and other power-driven handtools) (35534)		Saws (including circular and band saws), excluding chain saws	35534 12 2	Number		\$			
23			Planing, milling, or molding (by cutting) machines for home workshops, etc.	35534 15 5						
24			Grinding, sanding, or polishing machines for home workshops, etc.	35534 17 1						
25			Drilling or morticing machines for home workshops, etc.	35534 19 7						
26			Other woodworking machines for home workshops, etc (except power-driven handtools)	35534 21 3						
27			Parts, attachments, and accessories for woodworking machinery designed primarily for home workshops, etc., (sold separately) (except parts for power-driven handtools; excluding saw blades and cutting tools) (Report woodworking cutting tools, sold separately, on line 46)	35534 11 4						
28	CHAIN SAWS (Portable)		Electric (including battery-powered)	35465 37 6						
29			Hydraulic	35462 73 8						
30			Engine (internal combustion) driven	35463 01 7						
31	Handsaws, Saw Blades (Hand and Power), and Saw Accessories (34250)	POWER SAW BLADES	Wood-working, including chain saw blades	Circular (solid tooth)	34250 11 8					
32					Circular (inserted tooth)	34250 13 4				
33					Band	34250 16 7				
34					Teeth for inserted teeth saws, sold separately	34250 18 3				
35					All other woodworking power saw blades (scroll, jig, etc.)	34250 19 1				
36			Metal-working	Circular (including metal teeth and cutting segments sold separately)	34250 31 6					
37				Hack (power only)	34250 35 7	Thousands				
38				Band (flexible back, spring temper metal cutting, and high-speed metal cutting)	34250 36 5					
39				Other metal-working saw blades (saber, reciprocating, etc.)	34250 39 9					
40				HAND-OPERATED SAWS	Hacksaw blades (hand only)	34250 43 1	Thousands			
41			Carpenter crosscuts and rip-saws		34250 45 6	Number				
42			Other handsaws (heavy handsaws, including crosscut and buck, miter, coping, pruning, compass, etc.; including handsaw frames, and handsaw blades sold together or handsaw blades sold separately)		34250 49 8					

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

Line No.	Products and services (A)		Census product code (B)	Unit of measure for quantities (C)	Products shipped and other receipts			
					Quantity (D)	Value, f.o.b. plant (E)		
						Millions	Thousands	Dollars
43	METAL CUTTING TYPE MACHINE TOOLS AND PARTS (Sold separately) (Excluding rebuilt machine tools)	Boring machines (excluding machining centers) and drilling machines (excluding machining centers) (corresponds to value of shipments reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (3541D)*	3541D 00 2			\$		
44		Grinding and polishing; buffing, honing, and lapping machines (except gear-tooth grinding, lapping, polishing, and buffing machines) (corresponds to value of shipments reported on CIR Form MQ35W, Metalworking Machinery, for 1997) (35414)*	35414 00 2					
45		Parts for metal cutting machines tools (sold separately)	35419 11 8					
46	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. Specify unit of measure for quantity. For all remaining products, write "Other" and report a single total value.</i>						
			18					
47			26					
48			34					
49			42					
50			59					
51	67							
52	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					
53	MISCELLANEOUS RECEIPTS	Sales of scrap, refuse, and other miscellaneous receipts (including receipts for repair work, etc.)	99980 00 5					
54	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					
55	TOTAL value of shipments and other receipts Sum of lines 1–54, column (E)		77000 00 8			\$		

CONTINUE WITH ITEM 19 ON PAGE 10

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 (B)	Was this operation performed at this establishment during 1997? (C)		Unit of measure for quantities (D)	Quantities produced in this establishment and used in manufacturing other products made in this establishment (E)
			592			
			Yes	No		
1	Ferrous foundries	1001 7	1 <input type="checkbox"/>	2 <input type="checkbox"/>	Short tons	
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	