lf not shown, please enter your 11-digit Census File Number from the address label on page 1

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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 . . . " lir 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

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.

withdrawn from inventory.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.

Valuation of the companies doing the 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 the other hand, materials owned by others of the other hand, materials owned by others owned by other hand, materials ow Contract Work – Include as materials consumed those you purchased for use by others making products for you

- 4. Resalet State of 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 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."
  - 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.		Ma	Census material code	Consumption of purchased materials and of materials received from other establishments of your company  Cost, including delivery cost (freight-in)  (E)  574    Thou-     Millions   sands   Dollars			
	FABRICATED		(=)	Willions		Dollars	
1	METAL PRODUCTS (Except	Bolts, nuts, scre	ws, washers, rivets, and other screw machine products	345001 2	\$	     	
2	forgings)			340099 1			
3	Forgings			346000 3		i i	
4	1 (	Iron and steel		332001 7		     	
5	semifinished)	Aluminum and a	aluminum-base alloy	336005 4			
6		Other nonferrou	s	336003 9			
7		STEEL	Bars, bar shapes, and plates	331007 5			
8	i ioi giiiga,		Sheet and strip	331022 4			
9	and fabricated metal		Structural shapes and sheet piling	331023 2			
10	products)		All other steel shapes and forms	331091 9			
11		COPPER AND COPPER- BASE ALLOY	Rod, bar, and mechanical wire (including extruded and/or drawn shapes)	335102 0			
12			All other copper and copper-base alloy, except rod, bar, and mechanical wire				
13		ALUMINUM AND	Sheet, plate, foil, and welded tubing	335301 8			
14	ALUMINUM BASE ALLO		All other aluminum and aluminum-base alloy, except sheet, plate, foil, and welded tubing	335011 3			
15		Other nonferrou	335099 8				
16	Cutting tools for	r machine tools		354501 9			

## **CONTINUE WITH ITEM 17 ON PAGE 6**

If not shown, please enter your 11-digit Census File Number from the address label on page 1

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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. 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."

#### 4. Special Instructions -

- a. Contract work requested on line 39 covers manufacturing activities performed only on materials owned by others and excludes any machine shop job work or job order repairs.
- **b.** If another company makes products for you from your materials on a contract basis, report the value of these products on lines 1–38 but not on line 39.
- c. Receipts for repair work requested on line 40 covers occasional repairs not done on a factory basis and excludes any machine shop job order repairs.

				Products shipped and other receipts		
<u>o</u>	Products and services		Census product code		.o.b. plant <b>(E)</b>	
Line No.	(A)			584	l I	
=				Millions	Thou- sands Dollars	
1	RECEIPTS FOR MACHINE	RECEIPTS FOR MACHINE SHOP JOB WORK AND JOB ORDER REPAIRS, including the activities and operations that follow:	35995 00 0	\$		
	SHOP JOB WORK AND	Producing machinery parts, all types				
	JOB ORDER REPAIRS	<ul><li>Repairing machinery parts, all types</li><li>Machining of castings, crankshafts, camshafts, etc. (except</li></ul>				
		deburring, see line 3) • Grinding, boring, milling, and other machining activities			l I l I	
		<ul><li>(except sharpening services, see line 10)</li><li>Repairing of machinery on a factory basis</li></ul>				
	Rebuilding of m	achinery on a factory basis – <i>Specify kind</i>				
2			35990 98 5			
3	METAL SERVICES, NOT Electroplating, plating, polishing, anodizing, coloring, cleaning, deburring, and related services		34710 00 4			
4	ELSEWHERE CLASSIFIED	Coating, engraving, etching, painting, enameling, lacquering, varnishing, galvanizing, and allied services	34790 00 6			
5		Photochemical etching (including machining, excluding metal nameplates)	34790 11 3			
6		Heat treating of metal (heat treating, pickling, annealing, brazing, shot peening, tempering, etc.)	33980 00 4			
7		Welding repair shop (welding service)	97692 00 8			
8		Steel service centers (including steel slitting on a customer basis)	95051 00 9			
9	Steel slitting on a contract basis					
10	Sharpening services		97699 00 3			
11	Weldments and fabricated steel plate		34432 99 7			
12	Sheet metal work		34440 00 8			
13	JOB STAMPINGS FOR THE	Automotive	34650 00 2			
14	TRADE	All other job stampings	34692 00 4			
15	Precision turned or tube stock on	products and turned parts (Nonstandard items made from rod, bar, screw machine turning centers and CNC equipment)	34510 00 8			
16	Bolts, nuts, scre	ws, rivets, and washers	34520 00 7			

lt	em 18B. PROI	DUCTS AND SE	RVICES OF THIS ESTABLISHMENT DURING 1997 –	Continued	D. J.		1	
		Dradusta and comices			Products shipped and other receipts  Value, f.o.b. plant			
Line No.		Products and services				<b>(E)</b>		
Line			(A)	( <b>B</b> )	Millions	Thou- sands	Dollars	
4-	INDUSTRIAL	Foundry pattern				<del> </del> 		
17	PATTERNS, EXCEPT SHOE	35430 11 5	\$	<u> </u>				
18	PATTERNS	All other indust	rial patterns, except shoe patterns	35430 98 2		 		
19	Special dies, too	ols, die sets, jigs,	and fixtures	35441 00 5		 		
	-	ls and prototype:						
20				35441 83 1		i I		
20						 	1	
		s and mold boxes cessories (includ		35442 00 3				
22	working machin	nery, attachments	ling small cutting tools for machine tools and metal s, accessories, and precision measuring tools)	35450 00 6				
23			ducts, except foam	30893 00 2				
24	Miscel- laneous Machinery	FLEXIBLE METAL HOSE AND	Copper and copper-base alloy	35994 11 0				
25	Products (Including	TUBING	Aluminum and aluminum-base alloy	35994 13 6				
	flexible metal hose and		Stainless steel	35994 15 1		   		
27	tubing, metal		Other	35994 16 9		 		
28	bellows, etc.) (35994)	Metal bellows		35994 25 0			l	
29	]	Carnival and am	nusement park equipment (ferris wheels, ls, etc.), excluding coin-operated amusement machines	35994 31 8				
	All other misce		laneous machinery products; weather vanes; swage ectors; ship and boat propellers, machined; etc.) –				 	
30				35994 98 7				
	ALL OTHER PRODUCTS MADE IN THIS ESTABLISH- MENT	\$50,000 or more	eport separately each product with a sales value of e which cannot be assigned to one of the lines above. ng products, write "Other" and report a single total			 	 	
31				18		 		
32				26		 		
33				34				
34				42				
				59				
35				67				
36				75				
37				83				
38	CONTRACT	Receipts for wa	rk done for others on their own materials (exclude					
39	WORK (Excluding receipts for machine shop job work reported on	receipts for made	chine shop job work reported on line 1) products worked on and kind of work.	93000 00 8				
	line 1)			-		       	 	
				-		 	 	

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

				Products shipped and other receipts			
No.		Census product code	Value, f.o.b. plant (E)				
Line		( <b>B</b> )	Millions	Thou- sands	Dollars		
40	MISCELLA- NEOUS RECEIPTS	Receipts for repair work. Report only receipts from occasional repairs not done on a factory basis (exclude receipts for machine shop job order repairs reported on line 1)	99980 61 7	\$			
41		Sale of scrap and refuse	99980 13 8				
42		Receipts for installation or construction of products of this establishment	99980 31 0		 		
43		Receipts for research and development work	99980 41 9				
44		Other miscellaneous receipts	99980 98 9				
45	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				
46		alue of shipments and other receipts les 1–45, 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.
- 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.		ltem	Census code	Was this operforme establis during	ed at this hment 1997?	Unit of measure for quantities	Quantities produced in this establishment and used in manufacturing other products made in this establishment
	(A)		591 <b>(B)</b>	Yes	No	(D)	593 <b>(E)</b>
1	Ferrous foundrie	1001 7	1	2	Short tons		
2	NONFERROUS FOUNDRIES	Aluminum	1002 5	1	2	<b>1</b>	
3	(Except die-casting)	Copper	1003 3	1	2		
4		Zinc	1004 1	1	2	Thousand pounds	
5		Other	1005 8	1	2		
6	Nonferrous die-casting foundries		1006 6	1	2		
7	Precision turned	I products (on screw machines,	1007 4	1	2		

**CONTINUE WITH ITEM 22 ON PAGE 10** 

Items 20 and 21 – Not applicable to this report								
REMARKS - Ple	ase use this space for a	any explanations	that may b	e essent	ial in ur	nderstanding	your reported	data.
Item 22. CERT	FICATION – This repo	ort is substantially	/ accurate	and has	been p	repared in a	accordance wit	h instructions.
Name of person	to contact regarding th				phone	Area code	Number	Extension
Name of compan	у		Α			and street,	 city, State, ZIP C	Code)
	FROM: Month	Day	Year		D: Mor		Day	Year
Period covered	666 1	,	 	2			1 ]	 
Signature of auth	iorizeu person		Title					Date