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Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

 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.		Census material code	materia from of nents of npany	naterials terials n other s of your ny g delivery			
ڌ			(B)	574 Millions	Thou- sands	l Dollars	
1	FLUID POWER PRODUCTS (Hydraulic and	Pumps, motors,	and hydrostatic transmissions	359412 4	\$	 	
2	pneumatic)	Cylinders and ro	tary actuators	359301 9		i !	
3		Filters		356921 7		 	
4		Hose or tube fitti	ngs and assemblies	349261 8		 	
5		Valves		349271 7		[[
6	Fabricated metal products, except forgings					i 	
7	FORGINGS	Iron and steel		346200 9		 	
8		Nonferrous		346300 7		 	
9	CASTINGS (Rough and semifinished)	Iron and steel		332001 7		 	
10	·	Nonferrous		336010 4			
11	Shapes and Forms (Except	STEEL	Bars, bar shapes, and plates	331007 5		 	
	Castings, Forgings,		Sheet and strip	331022 4		! !	
13	Fabricated Metal		Structural shapes and sheet piling	331023 2		 	
14	Products)		All other	331091 9		 	
15		Copper and copper-base alloy		335105 3		<u> </u>	
16		Aluminum and al	uminum-base alloy	335001 4		 	
17		Other nonferrous	3	335099 8		! !	

CONTINUE WITH ITEM 17 ON PAGE 6

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Item 17. CONSUMPTION OF SELECTED MATERIALS DURING 1997 – Continued										
Line No.		Census material code	Consumption of purchased materials and of materials received from other establishments of your company Cost, including delivery cost (freight-in) (E)							
ڌ		(A)		(B)	574 Millions	Thou- I	Dollars			
18		er carburetor engines		351905 5	\$	 				
19	ELECTRIC MOTORS AND GENERATORS	Fractional horsepower electric motors (less than 1 hp) (excluding timir motors)	ng	362102 6		 				
20		Integral horsepower motors and generators (1 hp or more)		362120 8						
21	Electric transmiss	sion, distribution, and control equipment		360101 0						
22	Storage batteries			369101 1						
23	BEARINGS (Mounted or unmounted)									
24	'									
25	Speed changers,	gears, and industrial high-speed drives		356601 5		i i				
26	Pneumatic tires a	and inner tubes		301101 2		 				
27	Rubber and plas	tics hose and belting		305201 6						
28	supplies consur	materials and components, parts, containers, and ned		970099 8						
29	TOTAL Sum of lir	nes 1–28 should equal item 10, line a			\$	 				
Item 18A. INSTRUCTIONS AND INQUIRY FOR COMPANIES ENGAGED IN INSTALLATION (OR ERECTION) OF PRODUCTS OF THEIR OWN MANUFACTURE It is preferable that you report the value of shipments for individual products, excluding the amounts received for installation and erection. The installation and erection receipts (if any) should be reported on line 121, item 18B. In order to evaluate the reporting for this item, please answer the following questions: Key										
1		of shipments figures for individual products include the llation or erection of the product?		5512	3 Don'	t know				
ı		e estimate the total amount received for installation		Under \$50,000	Under \$50,000 3 \$500,000-\$999,999 \$50,000-\$499,999 4 \$1 million or more					
2	erect the pro	byees of this manufacturing establishment install or ducts of your company?	594 1	□Yes 2□No	o 3□Don'	t know				
3	plant) erect of If "Yes," do no Payments mad reported as a	ct outside labor force (not attached to this manufacturing or install the products for your establishment?	□Yes 2□No	o 3□Don'	t know					
	CONTINUE WITH ITEM 18B ON PAGE 7									

Census File Number

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.

				Products shipped and other re					pts		
	 		Product	ts and services		Census product			Value, f.o.b. plant		
2				code ₅₈₁	Quantity 583 (Number)		584	(E)			
-	=	(A)			(B)		(D)	Millions	Thou-sands	l Dollars	
	4	Elevators and Moving Stairways	ELEVATORS, EXCEPT FARM AND	Electric Passenger (Except	Geared	35341 05 6		(=)	\$	 	
	2	(35341)	PORTABLE	Residence Lifts)	Gearless	35341 07 2				 	
	3			Hydraulic passer	nger	35341 12 2				 	
	4			Electric freight		35341 13 0				 	
	5			Hydraulic freight		35341 15 5				 	
	6		Automobile lifts (service station and	d garage type)	35341 31 2				 	
	7		Moving stairways	s, escalators, and i	moving walkways	35341 51 0				 	
			waiters, man lifts,	hand-operated frei	dewalk elevators, dumb ght elevators, residence rs/stackers) – <i>Specify kind</i>						
	8									 	i I
	9 Parts for automobile lifts (service station and garage type)			35342 01 3				 			
1	_	•	ger or freight eleva	ntors or escalators		35342 02 1				 	
1	1	Unit Handling Conveyors		s (skate wheel and	d roller)	35353 09 3				! ! !	
1	2	and Conveying Systems	TROLLEY CONVEYORS (Overhead	Light-to-medium-	duty	35353 13 5				 	
1	3	(Except Hoists and Farm	systems)	Heavy-duty		35353 14 3				 	
1	4	Elevators) (35353)	Tow conveyors (underfloor system	s)	35353 17 6				 	
1	5	(3333)	Light-to-medium- conveying syster		powered conveyors and	35353 01 0				 	
1	6		Light-to-medium- conveying syster		powered conveyors and	35353 02 8				 	
1	7		Heavy-duty unit I ing systems, belt		conveyors and convey-	35353 03 6				i I	
1	8		Heavy-duty unit I ing systems, rolle	nandling powered er	conveyors and convey-	35353 04 4				 	
1	9		Pneumatic tube	conveyors		35353 35 8				 	
2		(Continued on next page)	Portable conveyors (except farm)			35353 37 4				[[

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued Products shipped and other receipts Census Value, f.o.b. plant product 8 Products and services Quantity code (E) (Number) Line 581 583 Thou- | sands | Dollars (A) (B) (D) Millions Unit **Handling** Conveyors conveyors and Conveying Systems (Except Hoists and 21 Carrousels 35353 41 6 \$ 22 35353 07 7 Farm All other unit handling conveyors and conveying systems, belt **Elevators**) (35353) -Continued All other unit handling conveyors and conveying systems, 35353 08 5 23 except belt Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) **(35354)** 35354 00 0 24 CONVEYORS Material Handling AND ELEVATORS 25 Belt conveyors and systems 35355 05 6 Conveyors Screw conveyors 35355 09 8 and Conveying Systems (Except **Bucket elevators** 35355 11 4 **Hoists** and Farm Elevators) 28 Pneumatic conveyors 35355 15 5 (35355) 29 Portable conveyors (except farm) 35355 19 7 En masse conveyors 35355 23 9 30 31 Vibrating conveyors 35355 27 0 Bulk handling conveyors and conveying systems specially designed for underground use 32 35355 12 2 Other bulk handling conveyors and convey-33 ing systems 35355 13 0 **UNLOADING** AND RECLAIMING SYSTEMS 34 Bucket wheel reclaimers 35355 41 1 35 Vibrating feeders 35355 43 7 All other, such as bins, apron feeders, gates, etc. - Specify kind 36 35355 45 2 LOADING AND STORING SYSTEMS 37 Traveling stackers 35355 51 0 Other, such as trippers, centrifugal throwers, etc. – Specify kind 38 35355 55 1 **PARTS** ATTACH-MENTS, AND ACCESSORIES FOR BULK 39 Belt conveyor idlers 35356 11 2 MATERIAL HANDLING CONVEYORS AND CONVEYING 40 Belt conveyor pulleys 35356 25 2 SYSTEMS, SOLD SEPARATELY All other parts, attachments, and accessories, sold separately (35356) 41 35356 37 7 Industrial Trucks and FORK LIFT TRUCKS AND Self-Propelled Electric Operator motor riding: OTHER WORK TRUCKS Tractors powered 42 • Fork lift 35373 01 8 FITTED WITH LIFTING OR HANDLING 43 EQUIPMENT Other 35373 02 6 (Continued on (Continued on (Continued on Nonriding 35373 03 4 next page) next page) next page)

Census File Number

ıed

							Products shipped and other receipts					
No.		Products and services			Census product code	Quantity	Value, f.o.b. plant (E)					
Line No.					581	583 (Number)			I I			
_	Industrial	EODK LIET	(A) Self-	lata mad	0	(B)	(D)	Millions		Dollars		
	Industrial Trucks and Tractors –	FORK LIFT TRUCKS AND OTHER	Propelled – Continued	Internal combustion engine or	Operator riding:				 			
45	Continued	WORK TRUCKS	Commuca	other nonelectric	Fork lift: • Gasoline	35373 04 2		\$	 			
46		FITTED WITH LIFTING		powered	• Diesel	35373 07 5			 			
47		OR HANDLING EQUIPMENT— Continued			LPG (liquid petroleum gas)	35373 09 1			 			
					Other, including CNG (com- pressed natural				 			
48					gas) Other than	35373 11 7			 			
49					fork lift	35373 06 7			<u> </u>			
50					Nonriding	35373 08 3			 			
51		WORK	Not self-propel Self-	led (hand lift, etc		35373 12 5						
52		WORK TRUCKS AND TRACTORS	Propelled	Operator rid		35373 15 8			 			
53		NOT FITTED WITH LIFTING OR		• Other		35373 16 6						
33		HANDLING EQUIPMENT	Internal com			35373 10 0			 			
EA				engine or other nonelectric powered: Operator riding Other		35373 17 4			 			
54						35373 17 4						
55 56			Not salf propal			35373 10 2			 			
		NASL SIS SECONDARY	Not self-propel						1	+		
57			carriers and cra			35373 21 6						
58		Palletizers and	ors/stackers (ex depalletizers (pa	allet loaders and	unloaders)	35373 25 7			<u> </u>	<u> </u>		
59		which can be dequipment used terminals, ware lines 11–41, an packaging or be	escribed as indu d on smooth sur houses, etc.: rei	ustrial trucks and faces in and arou port conveying e ers and depalleti	related und depots, quipment on	35373 26 5			 			
60		HYDRAULIC LIFT TABLES (ELECTRO- HYDRAULIC	Scissors type			35373 28 1			 			
61		LIFT PLATFORMS)	Other types			35373 29 9			 			
62		Metal pallets ar combination)	nd skids (exclud	ing wood and me	etal	35373 31 5			 			
63		Dock boards (ir ramps)	ndustrial loading	ramps, hinged le	oading	35373 32 3			 			
64		Air cargo conta	iners, metal			35373 34 1			 			
65		Automatic stacl	king machines			35373 35 6			 			
66		Trailers and se	mitrailers for use	with work tracto	ors	35373 36 4			 			
67		Other hand car	ts and vehicles			35373 37 2			 			
68		Other related a	rticles			35373 38 0			 			
69	PARTS AND ATTACH- MENTS FOR	Parts and attac lifting or handlir		strial work trucks	fitted with	35374 12 3			 			
70	INDUSTRIAL TRUCKS AND	Parts and attac	hments for othe	r vehicles		35374 13 1			 			
71	TRACTORS (35374)	Parts and attac	hments for mac	hinery other than	n vehicles	35374 14 9			 			

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Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 - Continued Products shipped and other receipts Census Products and services Value, f.o.b. plant product Quantity *Item corresponds to products reported on Current Industrial Reports code (E) (Number) 581 583 Thou- | sands | Dollars Millions (A) (B) (D) PALLETS AND SKIDS, WOOD (24480) 24480 62 6 72 Pallets, wood, except skids 24480 64 2 73 Pallet containers, wood and metal conbination and wood Skids, wood 24480 65 9 75 24480 66 7 Pallets, wood and metal combination 76 Corrugated and solid fiber pallets, pads, and partitions 26530 68 3 30894 08 3 Plastics pallets 77 RACKS AND ACCESSORIES, Drive-in/drive-thru and gravity conveyor pallet storage racks 25423 41 9 (25423)Cantilever storage racks 25423 43 5 80 Portable stacking racks and frames 25423 45 0 Stacker racks (pallet support, beams perpendicular to 81 25423 47 6 storage aisle) Other racks (including conventional pallet racks and 82 25423 49 2 accessories) Casters and wheels for dollies and industrial handtrucks (hardware) (sold 83 separately) 34298 22 4 WINCHES, INCLUDING WINCHES FOR MARINE USE 84 (Excluding 3531W 53 5 Electric winches for mounting on wheel or crawler tractors) 85 Other 3531W 55 0 HAND HOISTS **Hoists** (35363)86 Chain 35363 01 9 87 Ratchet lever 35363 02 7 88 Wire rope pullers 35363 03 5 **CHAIN** HOISTS, EXCEPT HAND 89 Electric (roller and link) 35363 13 4 35363 32 4 90 Air or other nonelectric WIRE ROPE 91 Other hoists, powered by electric motor 35363 14 2 EXCEPT HAND Electric (excluding mine shaft and slope 92 35363 16 7 wire rope hoists) Air or other nonelectric (excluding mine 93 35363 34 0 shaft and slope wire rope hoists) 94 Other hoists, not powered by electric motor 35363 38 1 95 Parts and attachments for hoists (sold separately) 35363 45 6 ASSEMBLY MACHINES 96 Rotary transfer (dial or rotary, trunnion, center column) 35492 11 5 (35492) 97 In-line transfer, synchronous 35492 15 6 98 In-line transfer, nonsynchronous 35492 17 2 99 35492 13 1 Special purpose and other types Parts and attachments for assembly machines (sold 100 separately) 35492 18 0 35699 09 9 101 Industrial robots, parts, and attachments Specific purpose industrial controls (corresponds to the sum of survey item codes 6101-6355 as reported on CIR Form MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls, for 1997) **(36252)*** 36252 00 5

Census File Number

L 400	DDODLIGTO AND	0 - D / 10 - O - T 110	COTABLICULATERIT	DUDING 4007 O .: I
Item 18B.	. PRODUCTS ANL) SERVICES OF THIS	SESTABLISHMENT	DURING 1997 – Continued

116	Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued											
			Census	Products shipped and other receipts								
No.	×1.	Products and services	product code	Value, f.o.b. plant								
le N	*Item correspo	nds to products reported on Current Industrial Reports		Quantity (Number)	584	(E)	T					
Line		(A)	(B)	(D)	Millions	Thou-sands	 Dollars					
	Personnel aerial	work platforms (corresponds to the sum of survey item	(B)	(D)			-					
400	codes 9131-9137	as reported on CIR Form MA35D, Construction	0504111 00 0			i I						
103	Machinery, for 19	91)"	3531W 30 3		\$	<u> </u>						
	Underground min	ning machinery (except parts sold separately)(corresponds vey item codes 1085-1185 as reported on CIR Form				1						
104	MA35F, Mining M	Machinery and Mineral Processing Equipment, for 1997)	25225 00 0			 						
104	(35325)*		35325 00 0			<u> </u> 						
105	Mineral processir	ng and beneficiation equipment	35326 00 8									
106	separately)(exclu plants)(correspor	zing, and screening machinery (except parts sold de portable crushing, screening, washing, and combination ds to the sum of survey item codes 2415-2490 as reported 35F, Mining Machinery and Mineral Processing Equipment, 71*	35327 00 6			 						
	, -					 						
107	sold separately) (nining machinery, not elsewhere classified (except parts corresponds to the sum of survey item codes 4004-4075 IR Form MA35F, Mining Machinery and Mineral Processing 997) (35328)*	35328 00 4			 						
108	PARTS AND ATTACHMENTS	For underground mining vehicles	35329 61 4			 						
109	FOR MINING	For minerals crushing, grinding, sorting, separating, or washing machines	35329 63 0			l I						
	EQUIPMENT,	For lifting, handling, loading, or unloading machinery for				<u> </u>	!					
	EXCEPT DRILL BITS	underground mines For boring or sinking machinery other than coal or rock	35329 65 5			 						
111		cutters and funneling machinery	35329 67 1			 						
112		For other mining machinery, not elsewhere classified	35329 69 7			1						
	Packaging and b	ottling machinery – Specify kind				 						
113			35651 00 9			 						
114	SEWAGE TREATMENT EQUIPMENT	Distilling or rectifying equipment	35892 85 0			 						
115		Filtering or purifying apparatus	35892 87 6			 						
116		Centrifuges	35892 88 4			 						
117		Other sewerage treatment equipment	35892 89 2			 						
	ALL OTHER PRODUCTS MADE IN THIS ESTABLISH- MENT	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.				 	 - - - -					
118	<u></u>		18			 						
119			26			 						
120			34			 						
	CONTRACT	Receipts for work done for others on their own	00225			1						
121	WORK	materials Describe below products worked on and kind of work.	93000 00 8			l 	1					
		2000.00 producto worked on and kind of work.				I I	l I					
						' 						
122	MISCELLA- NEOUS	Sales of scrap and refuse	99980 13 8			 						
123	RECEIPTS	Receipts for repair work	99980 61 7			I I						
123		Receipts for installation (or construction) of products of this establishment	99980 31 0			 						
						 						
125		Other miscellaneous receipts	99980 98 9		ONTINUE	ON PA	VGE 12					

Item 18B. PRODUCTS AND SERVICES OF THIS ESTABLISHMENT DURING 1997 – Continued											
				Census	Products shippe		ed and other receipts				
No.		Products and services			product	Quantity		Value, f.o.b. plan		lant	
Line No.					81	583 (Number		584	 Thou-		
_	RESALES	(A)		+	(B)	(D)	4	Millions	sands	Dollars	
	MEDALLO	Sales of products bought and sold w manufacture, processing, or assemble	ly in this						 		
126		establishment. The cost of such item reported in item 10, line b.	s should be	9	9989 00 6				i I		
127		ralue of shipments and other receip	ots		77000 00 8			\$	l l		
		TED PRODUCTS PRODUCED IN TH	IIC ECTADI IC			SED IN MAN			NG.	1	
10		R PRODUCTS MADE IN THIS ESTAI		oi iivi∟i	VI AND O	DED IN WAN	OI A	CIOMI	NG		
		II.	NSTRUCTIO	NS							
	produced	ow the quantity of each listed item in this establishment and used in	3. N	Material should	ls used to p be reported	roduce the ite in item 17.	ms s	pecified	l below		
	manufactu establishm	ring other products made in this nent.	i	ncorpo	ration in ot	d for sale as s her products	such shou	and not	for ported in	1	
	2. Purchases	or receipts of the items specified below		tem 18 Report d		the unit of m	neasu	ıre spec	ified in		
	should be	reported only in item 17.	(column	(D).						
									Quant		
					Was thi	is operation		nit of	produ in th establis	nis	
		Item		ensus code	estab	lishment ng 1997?	measure for quantities		and us manufac	ed in	
Line No.						· ·			other promade in	oducts n this	
Line		(A)	591	(B)	592 Yes	(C)			establis		
_	Ferrous foundrie					2 🗆	S	hort	<u> </u>	,	
1	NONFERROUS)S		001 7	1 -		T (ons			
2	FOUNDRIES (Except	Aluminum	10	002 5	5 1	2		-			
3	die-casting)	Copper	10	003 3	1 🗆	2	The				
4		Zinc	10	004 1	1 🗆	2	Thous poun	unds			
5		Other	10	005 8	1	2					
6	Nonferrous die-	casting foundries	10	006 6	1	2		 			
7	Precision turned centers, and CN	I products (on screw machines, turning		007 4	1	2					
		1 – Not applicable to this report					<u> </u>				
RI	MARKS – Pleas	se use this space for any explanations	that may be e	essentia	al in unders	tanding your	repoi	rted dat	a.		
lt	Item 22. CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.										
Na	ame of person to	contact regarding this report (Print or			Area		nber		Exter		
667 Na	1 ame of company		Add	Telep ress (N		street, city, Si	tate.	ZIP Cod	e)		
. •					: Month			504			
	eriod covered	FROM: Month Day	Year	2	. ivionth	i I	Day	,	Year		
Si	gnature of autho	rized person	Title					Da	te		