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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, 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 Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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 delivered cost; i.e., the amount paid or payable after products for others under consent. which were discussed by the sipping plant, plus the cost of purchases of transfersed from other plants within your company should be reported at their full economic value (the value assigned by the sipping plant, plus the cost of plants or products for others under spreades withis such at the expendence of the served from other plants within your company should be reported at their full economic value (the value assigned by the sipping plant, plus the cost of reight and other handling charges). 5. Produced and Consumed – Forgings, foundries, and screw machine products in the materials used to produce these items should be reported in item 17. 											
Line No.		Materials, parts, and supplies	Census material code		materials paterials om other nts of your pany ng delivery ight-in))							
1	Electric motors a	and generators										
	Electric motors a		362100 2	\$ 								
	Electrical transm	nission, distribution, and control equipment										
2	Electrical transm		362100 2									
2	Electrical transm Fluid power (hyo transmissions Fluid power (hyo	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators	362100 2 360101 0									
2 3 4	Electrical transm Fluid power (hyo transmissions Fluid power (hyo	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic	362100 2 360101 0 359412 4									
2 3 4 5	Electrical transm Fluid power (hyd transmissions Fluid power (hyd Fluid power (hyd assemblies	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators	362100 2 360101 0 359412 4 359301 9									
2 3 4 5 6	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or	362100 2 360101 0 359412 4 359301 9 349261 8									
2 3 4 5 6	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7									
2 3 4 5 6	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings)	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5									
2 3 4 5 6 7 8 9	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings) Diesel, semidies	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356218 8									
2 3 4 5 6 7 8 9 10	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings) Diesel, semidies FABRICATED METAL	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives Ball Roller	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356218 8 356201 4									
2 3 4 5 6 7 8 9 10 11	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted and unmounted bearings) Diesel, semidies FABRICATED METAL PRODUCTS, EXCEPT FORGINGS	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives Ball Roller el, gasoline, and other carburetor engines	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356218 8 356201 4 351910 5									
2 3 4 5 6 7 8 9	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings) Diesel, semidies FABRICATED METAL PRODUCTS, EXCEPT FORGINGS AND FLUID POWER VALVES AND HOSE OR	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives Ball Roller el, gasoline, and other carburetor engines Metal stampings	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356218 8 356218 8 356201 4 351910 5 346901 2									
2 3 4 5 6 7 8 9 10 11 11 12 13	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings) Diesel, semidies FABRICATED METAL PRODUCTS, EXCEPT FORGINGS AND FLUID POWER VALVES AND HOSE OR TUBE FITTINGS AND	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives Ball Roller el, gasoline, and other carburetor engines Metal stampings Bolts, nuts, washers, rivets, and screw machine products Fabricated structural metal products, including metal tanks, heat exchangers, steam condensers, other boiler products, steel plate,	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356218 8 356201 4 351910 5 346901 2 345001 2									
2 3 4 5 6 7 8 9 10 11 11 12 13	Electrical transm Fluid power (hyd transmissions Fluid power (hyd assemblies Fluid power (hyd assemblies Fluid power (hyd Speed changers BEARINGS (Including both mounted and unmounted bearings) Diesel, semidies FABRICATED METAL PRODUCTS, EXCEPT FORGINGS AND FLUID POWER VALVES AND HOSE OR TUBE FITTINGS AND ASSEMBLIES	hission, distribution, and control equipment draulic and pneumatic) pumps, motors, and hydrostatic draulic and pneumatic) cylinders and rotary actuators draulic and pneumatic) hose or tube fittings or draulic and pneumatic) valves , gears, and industrial high-speed drives Ball Roller el, gasoline, and other carburetor engines Metal stampings Bolts, nuts, washers, rivets, and screw machine products Fabricated structural metal products, including metal tanks, heat exchangers, steam condensers, other boiler products, steel plate, weldments, and sheet metal products	362100 2 360101 0 359412 4 359301 9 349261 8 349271 7 356601 5 356201 4 356201 4 351910 5 346901 2 345001 2 344001 3									

	Ma	ELECTED MATERIALS DURING 1997 – Continued		Consu	nption	of
		Census material code	Consumption of purchased materials and of materials received from other establishments of you company Cost, including deliver cost (freight-in) (E)			
		(A)	(B)		Thou- sands	
Forgings			346000 3	\$	 	i +
CASTINGS (Rough and semifinished)	Iron and steel		332001 7		 	1
	Nonferrous	1	336010 4			
Shapes and Forms (Except	STEEL	Bars, bar shapes, and plates	331007 5		 	
castings, forgings, and		Sheet and strip	331022 4		 	
metal products)		Structural shapes and sheet piling	331023 2		 	
		All other	331091 9		 	
	Nonferrous		336002 1		 	
Rubber and plas	tics hose and be	lting	305201 6		 	
Fabricated plast	ics products (exc	cept gaskets, hose, and belting)	308004 1		 	i
Tires and inner t	tubes		301100 4		 	
			285101 2		 	
supplies consun	ned	••••••	970099 8			
TOTAL Sum of lin	es 1–28 should e	equal item 10, line a		\$	 	
	CASTINGS (Rough and semifinished) Shapes and Forms (Except castings, forgings, and fabricated metal products) Rubber and plas Fabricated plast Tires and inner the Paints, varnishes Cost of all other supplies consum Describe the prints Sum of lin	CASTINGS (Rough and semifinished) Shapes and Forms (Except castings, forgings, and fabricated metal products) Rubber and plastics hose and be Fabricated plastics products (exc Tires and inner tubes Paints, varnishes, lacquers, stain Cost of all other materials and co supplies consumed Describe the principal materials,	CASTINGS (Rough and semifinished) Iron and steel Nonferrous Shapes and Forms (Except castings, and fabricated metal products) STEEL Bars, bar shapes, and plates Structural shapes and sheet piling Structural shapes and sheet piling All other All other Nonferrous Rubber and plastics hose and belting Fabricated plastics products (except gaskets, hose, and belting) Tires and inner tubes Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products Cost of all other materials and components, parts, containers, and supplies consumed	CASTINGS (Rough and semifinished) Iron and steel Nonferrous Shapes and Forms (Except castings, and fabricated metal products) STEL Bars, bar shapes, and plates Structural shapes and sheet piling Structural shapes and sheet piling 331022 4 Structural shapes and sheet piling 331022 1 All other 331091 9 Nonferrous All other 336002 1 Rubber and plastics hose and belting Structural shapes, and belting) Structural shapes, and belting Structural shapes, and belting Source and plastics hose and belting Structural shapes, and belting) Structural shapes, and belting Structural shapes, and belting) Structural shapes, and belting Structural shapes, and belting) Structural shapes, and belting Structural shapes, and belting Structural shapes, and belting) Structural shapes, and belting Structural shapes, and sheet products Structural shapes, and belting Structural shapes, and allied products Structural shapes, and sheet piling Structural shapes, and sheet piling Structural shapes, and allied products Structural shapes, and sheet piling Struc	CASTINGS (Rough and semifinished) Iron and steel Nonferrous Shapes and (Except castings, and fabricated metal products) Nonferrous STEL Bars, bar shapes, and plates Sheet and strip Sheet and strip Sheet and strip All other Nonferrous Nonferrous Rubber and plastics hose and belting Rubber and plastics hose and belting Fabricated plastics products (except gaskets, hose, and belting) Tires and inner tubes Paints, varnishes, lacquers, stains, shellacs, japans, enamels, and allied products Supplies consumed Describe the principal materials, etc., included in this value. TOTAL Sum of lines 1–28 should equal item 10, line a State and strip State and strip Structural shapes and sheet piling Structural shapes and sheet piling Sheet and strip Sheet and s	CASTINGS (Rough and semifinished) Iron and steel Nonferrous Stapes and Forms (Except castings, and fabricated metal products) STEL Bars, bar shapes, and plates Structural shapes and sheet piling Structural shapes and sheet piling Structural shapes and sheet piling Nonferrous Nonferrou

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 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

		Products and services				nds to the sum	Product and oth	ts shipp er recei	
	NO.		Products and services a corresponds to products reported on Current Industrial Reports	Census product code		ts reported for 97 on –	Value, f.o.b. plant (E)		
	LINE I		(A)	581 (B-1)	CIR form (B-2)	ltem code (B-3)	584 Millions	Thou- sands	Dollars
	1	ballast spreader	nance of way equipment (rail layers, rs, etc.), except rail cars (report rail cars ducts", lines 113–120)	3531X 21 0			\$		
	2	Parts for railway except parts for other products"	y maintenance of way equipment, rail cars (report parts for rail cars in "all , lines 113–120)	3531X 80 6					
	3		l work platforms, complete units, and scissors type and truck-mounted line 9)*	3531W 30 3	MA35D	9131 – 9137			
	4	other prime mo	ounting on wheel or crawler tractors or vers, complete units (including for achinery, logging, and oil field use; line 8)*	3531W 42 8	MA35D	9206			
	5	OTHER WINCHES, INCLUDING FOR MARINE	Electric	3531W 53 5					
	6	USE; COMPLETE UNITS (Report parts on line 9)	Other	3531W 55 0					
	7	Automobile hoi (report parts on	sts (used on tow trucks), complete units line 9)	3531W 61 8					
	8	Parts for wincher prime movers, s	es for mounting on tractors or other sold separately	3531W 70 9					
	9	Parts for aerial other winches,	work platforms, automobile hoists, and sold separately	3531W 80 8					
1	0	attachments; ind (excluding repla on tractors and report overhead truck-type mater	raglines, excavators, and dedicated cluding surface mining equipment cement parts and machinery for mounting other prime movers; report parts on line 11; traveling cranes on lines 66–74; report rials-handling cranes used in commercial trial plants, etc., in "all other products",	35311 00 0	MA35D	4073–4293			
1	1	Parts for power mining equipme separately)	cranes, draglines, excavators, surface ent, and dedicated attachments (sold	35319 10 2					
			CONTINUE WITH I	TEM 18B ON	PAGE 8				

					- Continued	Products		
	*Ite	Products and services m corresponds to products reported	Census product		ts reported for 97 on –		f.o.b. p	
Line No.		on Current Industrial Reports (A)	code 581 (B-1)	CIR form (B-2)	ltem codes (B-3)	584 Millions	(E) Thou- sands	
_	bituminous di planers and m	s, and related equipment (asphalt plants and stributors, stabilization equipment, cold illing machines; concrete batching plants, nps, trowels, screeds, etc.), excluding parts		(/				
12		on line 13)* ors, pavers, and related equipment (sold	35312 00 8	MA35D	3222–3295	\$	 	
13	separately)	rucks, coal haulers, truck-type tractor chassis,	35319 20 1					
14	trailers and w line 23 and re materials-han industrial plar	agons; excluding parts (report attachments on placement parts on line 15; report dling trucks used in commercial terminals, nts, etc., and highway-type trucks, in "all other	35313 00 6	MA35D	8621–8625		 	
15		ighway trucks, coal haulers, truck-type trailer rs, and wagons (sold separately)	35319 30 0					
16	Tractor shove (including inte excluding part	l loaders sold with or without attachments; gral design loader/backhoes; ts; report attachments on line 23 and parts on line 18)*	35314 00 4	MA35D	7160–7195			
17	(wheel and cra self-propelled excluding part	rs and contractors' off-highway wheel tractors awlers construction-type tractors, dozers, and skidders, sold with or without attachments; ts; report attachments on line 23 and parts on line 18)*	35315 00 1	MA35D	1140–2000			
	Parts for craw	ler tractors, contractors' off-highway wheel ractor shovel loaders (sold separately)	35319 45 8		1140-2000		 	
	Motor graders compactors, r self-propelled parts (report a on line 20; rep	s and light maintainers, rollers and ough-terrain forklifts, scraper bowls, and continuous ditchers and trenchers; excluding attachments on line 23 and replacement parts port smooth-surface forklifts and parts in "all	33319 43 8		8601-8616		 	
19	other product	s", lines 113–120)*	35316 00 9	MA35D	8636–9118		 	<u> </u>
20	and self-prope separately)	ers, rollers, compactors, forklifts, scrapers, elled continuous ditchers and trenchers (sold	35319 60 7				 	
21	and combinati	ing plants, screening plants, washing plants, on plants (report parts on line 33; see also 3 for nonportable plants)*	35318 07 0	MA35F	0951–0957			
22	trucks, includi wings, and sno line 32 and rep	attachments for mounting on tractors or ng v-shaped snow plows, single blades and ow blowers (report rotary snow blowers on placement parts for snow-clearing r rotary snow blowers on line 33)	35318 23 7					
23	other prime m	nachinery for mounting on tractors, trucks, or overs (excluding winches and snow-clearing complete units (see line 24 for parts)*	35317 00 7	MA35D	9121–9124		 	
24	other prime m	ruction machinery for mounting on tractors or overs (sold separately; report parts for e 8 or 9 and parts for snow-clearing n line 33)	35319 70 6				 	
25	OTHER CONSTRUC- TION AND	Commercial brush, limb, and log choppers for waste wood reduction	35318 26 0				 -	
26	RELATED MACHINERY	Log splitters Dredging machinery, hydraulic and other	35318 27 8			<u> </u>	 	
27	AND EQUIPMENT, EXCLUDING PARTS	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	(Report parts on line 33)	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			L	 	i
		All other construction machinery and equipment – <i>Specify kind</i>					 	
			35318 99 3					i

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lt	em 18B. PROD	OUCTS AND SERVICES OF THIS ESTABLIS	SHMENT DU	RING 199	7 – Continued			
No.		Products and services corresponds to products reported on Current Industrial Reports	Census product code	of produ	onds to the sum acts reported for 997 on –		f.o.b. pl	S
Line		(A)	581 (B-1)	CIR form (B-2)	Item codes (B-3)	584 Millions	(E)	l I I Dollars
33	Parts for other o	construction (and similar) machinery and rted in product codes beginning with "35318"	35319 80 5			\$		
		ining machinery (except parts sold	35325 00 0	MA35F	1085–1185			
35	Mineral process parts sold separ	ing and beneficiation equipment (except ately)	35326 00 8					
36	sold separately	rizing, and screening machinery (except parts and portable crushing, screening, washing, n plants; see line 21)*	35327 00 6	MA35F	2415–2490		 	
37	Drills and other (except parts so	mining machinery, not elsewhere classified ld separately)*	35328 00 4	MA35F	4004–4075		 	
38	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				 	
39		Rock mining drill bits other than percussion, with working part of sintered metal carbide or cermets, and base metal parts thereof	35329 25 9					
40		Other mining drill bits with working part of sintered metal carbide or cermets, and base metal parts thereof	35329 27 5					
41		Drill bits not having a working part of sintered metal carbide or cermets, and base metal parts thereof	35329 29 1					
42	PARTS AND ATTACH- MENTS FOR	For underground mining vehicles	35329 61 4			L	 	
43	MINING MACHINERY AND EQUIPMENT,	For minerals crushing, grinding, sorting, separating, or washing machines (except portable; see line 21)	35329 63 0				 	
44	EXCEPT DRILL BITS	For lifting, handling, loading, or unloading machinery for underground mines	35329 65 5			L		1
45		For boring or sinking machinery other than coal or rock cutters and tunneling machinery	35329 67 1				 _	
46		For other mining machinery, not elsewhere classified	35329 69 7				 	
47	PORTABLE DRILLING RIGS AND	Portable drilling rigs used on the surface (above ground)*	3533A 10 7	MA35F	6005–6495		 	
48	PARTS (3533A)	Parts for portable drilling rigs used on the surface (above ground)*	3533A 78 4	MA35F	6500		 	
	pumps and offs	is field machinery and equipment (except hore platforms; report pumps on line 102 and ms on lines 113–120) – <i>Specify kind</i>					 	
49	Common in Literation	f	35330 00 0		0101 0110			
50	including parts*		3523F 00 9		8101–8118, 8123–8143			
51	FARM MACHINERY AND	Planting, seeding, and fertilizing machinery and attachments (except turf)*	35233 00 6	MA35A	6321–6384		 	
52	EQUIPMENT	Haying machinery (including straw) and attachments* Other harvesting machinery and	35236 00 9		6613–6683		 	
53		attachments*	35235 00 1	•	6511–6583			
54		Operator cabs for farm machinery Other, except parts – <i>Specify kind</i>	35239 53 2				 	
55			35230 00 2				 	
56		Other parts for farm-type wheel tractors*	35239 26 8	Î	6199		 	
57		Other parts, not elsewhere classified*	35239 31 8	MA35A	See page 2 of MA35A Instructions		 	
58		Consumer lawn, garden, and snow machinery*	35240 00 1	↓ ↓	8202–8335 except "totals"			
		CONTINUE WITH IT	EM 18B ON	PAGE 10				

	em 18B. PROD	-	VICES OF THIS ESTABLIS	SHMENT DU	RING 1997	– Continued		1	age 10
No.		Products and s corresponds to p on Current Industi	roducts reported	Census product code	of produc	nds to the sum ts reported for 97 on –	Value, 1	receipt f.o.b. pl	S
Line No.		(A)		581 (B-1)	CIR form (B-2)	ltem codes (B-3)	584 Millions	(E)	Dollars
	Hoist (Except	HAND HOISTS							
	aircraft loading hoists, aerial		Chain	35363 01 9			\$	 	
	work platforms, and		Ratchet lever	35363 02 7				 	
61	automobile wrecker		Wire rope pullers	35363 03 5					
62	hoists; report aircraft	CHAIN HOISTS, EXCEPT HAND	Electric (roller and link)	35363 13 4				; ; ;	
63	loading hoists on line 89, and		Air and other nonelectric	35363 32 4				 	
	automobile wrecker hoists and	Other hoists – Sp wire rope and wl	pecify whether or not hether or not electric:					 	
64	aerial work platforms on			35363 00 1				 	
65	lines 3, 7, and 9)	Parts and attachr	nents, sold separately	35363 45 6					
66	Overhead Traveling Cranes	OVERHEAD TRAVELING CRANES	Single top running bridge type	35364 01 7				 	
67	and Monorail	CHANES	Double top running bridge type	35364 02 5				 _	
68	Systems (Report construction		Under running bridge type	35364 03 3				1	
69	power cranes on line		Gantry type	35364 04 1				 	
70	10 and industrial		Stacker/storage type	35364 05 8				 _	
71	cranes for warehouse-,		Other, on fixed support	35364 07 4				 	
72	depot-, and terminal-type		Other, NOT on fixed support	35364 08 2				 	
73	use on		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				- 	
	Conveyors and Conveying Systems (Except hoists and farm elevators; report hoists on lines 3, 7, 9,	UNIT HANDLING CONVEYORS AND CONVEYING SYSTEMS	Complete units, including gravity, trolley, tow, powered, pneumatic tube, portable, pallet conveyors, and carrousels – Specify kind and whether for heavy duty:						
77	and 59–65, and report			35353 00 2				 	
	farm elevators on line 55)		Parts, attachments, and					- 	
78	(Continued on next page)		accessories, sold separately	35354 00 0				 	

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	om the address la					Continued				
	EIII 185. PRUD	OUTS AND SER	VICES OF THIS ESTABLIS				Products s	shinner	dand	
Line No.	*Item	Products and s corresponds to pr on Current Industr	oducts reported	Census product code	of produc	Corresponds to the sum of products reported for 1997 on –		other receipts Value, f.o.b. plant (E)		
Line	(A)			581 (B-1)	CIR form (B-2)	Item codes (B-3)	584 Millions	Thou-	l I Dollars	
79	Conveyors and	BULK MATERIAL	Traveling stackers	35355 51 0			\$	 		
80	(EACOPT	HANDLING CONVEYORS AND	Bucket wheel reclaimers	35355 41 1				' 		
81	hoists and farm elevators;	CONVEYING SYSTEMS (Report loading	Vibrating feeders	35355 43 7				 	1	
82	report hoists on lines 3, 7, 9, and 59–65, and report	and storing systems other than traveling stackers on lines 113–120)	Other unloading and reclaiming systems, including bins, aprons, feeders, gates, etc.	35355 45 2				 	 	
83	farm elevators on line 55)		Belt conveyors and systems	35355 05 6				 	1	
84	- Continued		Portable conveyors	35355 19 7				 	 	
85			Vibrating conveyors	35355 27 0				 	1	
			Other, including bucket elevators; screw, pneumatic, en masse, apron, flight, and drag conveyors, etc. – Specify kind					- 	' 	
86				35355 00 7				 	1	
			Parts, attachments, and accessories, sold separately – <i>Specify</i> whether belt idlers, belt pulleys, or other:					 	 	
87				35356 00 5				 	1 1	
88	Elevators, movi dumbwaiters	ng stairways, auto	mobile lifts, and	35340 00 9				 	1	
89	related equipme smooth surface	ent for materials-has in and around in	truck-type cranes, and andling operations on dustrial and commercial d terminals; and parts	35370 00 6				 	 	
90	TRUCK AND BUS BODIES (Including bodies for other vehicles	Bodies for sale se truck or other vel	eparately – Specify kind of nicle:	37131 00 0				 		
	except passenger cars)	Complete vehicle chassis – Specify vehicle:	s produced on purchased kind of truck or other					 		
91				37132 00 8				 	1	
	Motor vehicle p product and wh	arts and accessori aether new or rebu	es – Specify kind of ilt:					 	1	
92				37140 00 1				 	 	
	Automobile and Specify kind	d light truck trailers	s, and trailer hitches –					 	 	
93				37990 00 9				 	1	
94	Pneumatic hydr handtools (exce line 32); includii	ept for construction	actuated power-driven use; report those on	35462 00 1				 	1	
95	Other power-dr	01	cept for construction ding parts	35460 00 5				 	1	
96	Electric motors	and generators		36210 00 3	MA36H	1015–8595 except "totals"		 	 	
97	Diesel, semidies automotive, hig	sel, and dual fuel e hway truck, bus, a	ngines (except nd tank)*	35193 00 2	MA35L	9331–9353		 	 	

CONTINUE WITH ITEM 18B ON PAGE 12

				nds to the sum	Products other	shipped receipts	
No.	Products and services *Item corresponds to products reported on Current Industrial Reports	Census product code		ts reported for 97 on –		f.o.b. pla	
Line	(A)	581 (B-1)	CIR form (B-2)	ltem codes (B-3)	584 Millions	Thou- I	Dolla
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			
00	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			
	Mechanical power transmission equipment (except antifriction bearings and gears and gearboxes; report those on lines 113–120) – <i>Specify kind</i>						
104		35680 00 8					
	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>						
105		35560 00 2					
	Fabricated structural steel for buildings, bridges, ships, offshore oil or gas platforms, transmission towers, tunneling, and subway work – <i>Specify for what use:</i>						
106		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					
	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>						
108		34460 00 6					
109	Sheet metal work	34440 00 8					
	Wire products not elsewhere classified – <i>Specify kind of product and type of metal:</i>						
110		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					

CONTINUE WITH ITEM 18B ON PAGE 13

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

Census File Number

fr	om the address label on page 1											
lt	em 18 B. PROD	UCTS AND SERVICES OF THIS ESTABLIS	SHMENT DU	RING 1997	– Continued							
			Census	of produc	nds to the sum sts reported for 197 on –	Products other	shipped receipt	d and s				
Line No.		Products and services	product code	CIR form	ltem codes	Value, f.o.b. plant (E)						
		(A)	581 (B-1)	(B-2)	(B-3)	584 Millions	Thou- sands	Dollars				
	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. For all remaining products, write "Other" and report a single total value.					 	 				
113			18			\$	1	1				
	1		26				 					
114	1		34									
115	5		42				 					
116			59				 	i I				
117	-		67				 	 				
118			75				 	1				
119												
120			83									
121	CONTRACT WORK	Receipts for work done for others on their own materials Describe below products worked on and kind of work.	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	MISCELLA- NEOUS	Receipts for repair work	99980 61 7					i i				
124	RECEIPTS	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	TOTAL v Sum of lir	alue of shipments and other receipts nes 1–124, column (E)	77000 00 8			\$	 					
		CONTINUE WITH IT	EM 19 ON P	PAGE 14								

Fo	rm MC-3503						Page 14		
It		RODUCTS PRODUCED IN T ADE IN THIS ESTABLISH	MENT		AND USED I	IN MANU	FACTURING OTHER		
			INSTRUC						
	 Report below the qua establishment and us made in this establis 	ntity of each listed item produced sed in manufacturing other produ hment	d in this ucts	be reported	in item 17.		ecified below should		
		of the items specified below sho	ould be	other produ	cts should be re	eported in it	d not for incorporation in em 18B. e specified in column (D).		
Line No.	Unit of Unit of this establishment and Used in the measure used in manufacturing								
L:		(A)	591 (B)	Yes	No	(D)	593 (E)		
1	Ferrous foundries		1001 7	1	2	Short ton	s		
2	NONFERROUS	Aluminum	1002 5	1	2				
3	(Except die-casting)	Copper	1003 3	1	2				
4		Zinc	1004 1	1	2	Thousand pounds	1		
5		Other	1005 8	1	2				
6	Nonferrous die-casting f	foundries	1006 6	1	2	↓ ↓			
7	Precision turned products turning centers, and CNC		1007 4	1	2				
It	ems 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 t	to contact regarding this rep	ort <i>(Print or</i>)	tvpe)			Area code	Number	Extension		
667 1			51		Telephone	2				
Name of compan	V			Addr	ess (Number	and street, c	ity, State, ZIP	Code)		
·	, ,				•		3 .	·		
	FROM: Month	Day	Yea	r	TO: Mor	nth	Day	Year		
Period covered	666 1		I		2			 		
Signature of auth	orized person	-	Title					Date		
-	·									