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 Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.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

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

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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

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| 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 | | |
| - | · | | | | | | | | | |