

Steel Mill Products

1998

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Information about the scope of the survey, methodology, explanation of terms and historical notes for this survey may be found in the introduction of the 1997 Manufacturing Profiles, issued August 1999.

Current data are released electronically on Internet for all individual surveys as they become available. Use: <http://www.census.gov/econ/www/manumenu.html>. Individual reports can be accessed by choosing "Current Industrial Reports (CIR's)," clicking on "Report Number Index;" from the "Industrial Products by Numeric Index," choose the survey of interest. Follow the menu to view the PDF file or to download the worksheet file (WK format) to your personal computer.

These data are also available through the U.S. Department of Commerce and STAT-USA Electronic Bulletin Board by subscription. To access, dial 202-482-3870 and follow the prompts to register. Also, you may call 202-482-1986 or 1-800-STAT-USA, for further information. The Internet address is: www.stat-usa.gov/.

NOTE: Data are now published on the new North American Industry Classification System (NAICS) basis and therefore are not always comparable

to the old Standard Industrial Classification (SIC) code. For further information on NAICS, see www.census.gov/epcd/www/naics.html.

Summary of Findings

In 1998, steel mill product manufacturers had shipments of \$65.9 billion, which decreased 4 percent from \$68.7 billion in 1997. Steel ingot and semifinished shapes decreased 6 percent to \$4.5 billion in 1998, from \$4.8 billion in 1997. Hot-rolled sheet and strip, including tin mill products decreased 4 percent to \$21.5 billion in 1998, from \$22.3 billion in 1997. Hot-rolled bars and shapes, plates, structural shapes, and piling increased slightly to \$13.2 billion in 1998, from \$13.1 billion in 1997. Steel wire decreased 3 percent to \$2.4 billion in 1998, from \$2.5 billion in 1997. Other wire products shipments were \$2.0 billion in 1998, virtually unchanged from 1997. Steel pipe and tube incurred a 10-percent decrease to \$8.9 billion in 1998, from \$9.9 billion in 1997. Cold-rolled steel sheet and strip decreased to \$10.6 billion in 1998, from \$11.2 billion in 1997, a 6-percent decrease. Cold-finished steel bars and bar shapes decreased 3 percent to \$2.17 billion in 1998, from \$2.25 billion in 1997. Other steel mill products increased 8 percent.

Current
Industrial
Reports

Address inquiries concerning these data to Primary Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Dana Brooks, 301-457-4797.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

U S C E N S U S B U R E A U

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Economics and Statistics Administration
U.S. Census Bureau



Table 1. Value of Shipments of Steel Mill Products by Class of Products: 1998 and 1997
 [Value in thousands of dollars]

| Product code | Product Description | 1998 | 1997 |
|--------------|--|------------|--------------|
| | Total | 65,910,537 | 68,712,197 |
| 3311113 | Steel ingot and semifinished shapes..... | 4,517,078 | 4,801,545 |
| 3311115 | Hot-rolled sheet and strip, including tin mill products 1/ | 21,542,702 | 22,330,742 |
| 3311117 | Hot-rolled bars and shapes, plates, structural shapes, and piling..... | 13,180,556 | 13,091,194 |
| 3311119 | Steel wire..... | 2,439,486 | r/ 2,502,801 |
| 331222- | Other wire products..... | 1,996,404 | 2,022,056 |
| 3312100 | Steel pipe and tube..... | 8,880,545 | 9,902,758 |
| 3312211 | Cold-rolled steel sheet and strip..... | 10,564,780 | 11,242,141 |
| 3312213 | Cold-finished steel bars and bar shapes..... | 2,172,780 | 2,246,614 |
| 331111L | Other steel mill products (except wire products)..... | 616,206 | 572,346 |

r/Revised by 5 percent or more from previously published data.

1/Galvanized, metallic coated, and electrical sheet and strip are included in product code 3311115, "Hot-rolled sheet and strip."

Table 2. Production of Raw Steel: 1998 and 1997
 [Thousands of metric tons]

| Product description | 1998 | 1997 |
|---|---------------|---------------|
| Total..... | 95,223 | 96,949 |
| By grade of steel: | | |
| Carbon..... | 83,445 | 83,934 |
| Alloy..... | 9,465 | 10,529 |
| Stainless..... | 2,313 | 2,487 |
| By type of furnace: | | |
| Electric..... | 40,192 | 40,819 |
| Basic oxygen, open hearth, and other types of furnaces..... | 55,031 | 56,130 |

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | No. of cos. | Receipts 2/ 3/ (quantity) | Steel consuming in producing plants (quantity) | Total shipments | | |
|-----------------|--|-------------|---------------------------|--|-----------------|--------------------|-----------------------------|
| | | | | | Quantity | Value f.o.b. plant | Net shipments 4/ (quantity) |
| | Steel | (NA) | 26,558,126 | 1,275,257 | 113,630,386 | 65,910,537 | 88,347,517 |
| | Carbon steel | 279 | 24,138,766 | 1,104,415 | 101,846,691 | 52,999,035 | 78,812,340 |
| 3311113110 | Ingots | 5 | (D) | (D) | 112,562 | 50,005 | 224,518 |
| | Semifinished products: | | | | | | |
| 3311113140 | Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp | 32 | (D) | (D) | 2,657,155 | 887,836 | (D) |
| 3311113190 | Wire rods | 22 | 2,923,971 | 224,421 | 4,785,927 | 1,854,014 | 2,086,378 |
| 3311113150 | Slabs | 12 | (D) | (D) | 780,997 | 210,668 | (D) |
| | Finished products: | | | | | | |
| 3311117110 | Plates, cut lengths | 15 | (D) | (D) | 4,636,559 | 2,263,715 | 4,308,514 |
| 3311117120 | Plates, in coils | 5 | (D) | (D) | (D) | (D) | (D) |
| | Sheet: | | | | | | |
| 3311115110 | Hot rolled, including hot rolled bands | 23 | 10,889,114 | 310,025 | 19,374,318 | 7,135,101 | 8,795,229 |
| 3312211110 | Cold rolled | 25 | 1,486,523 | 208,543 | 13,053,712 | 6,410,782 | 11,775,731 |
| | Sheet and strip: | | | | | | |
| | Galvanized: | | | | | | |
| 3311115120 | Hot dipped | 15 | (D) | (D) | 9,817,442 | 6,231,951 | 9,670,720 |
| 3311115130 | Electrolytic | 13 | (D) | (D) | 3,305,784 | 2,254,125 | 3,290,494 |
| 3311115140 | Electrical | 1 | (D) | (D) | (D) | (D) | (D) |
| 3311115150 | All other metallic coated, including long ternes | 10 | (D) | (D) | 1,103,981 | 815,129 | 1,093,080 |
| | Strip: | | | | | | |
| 3311115160 | Hot rolled..... | 14 | (D) | (D) | 2,335,219 | 922,076 | 1,738,892 |
| 3312211120 | Cold rolled | 20 | (D) | (D) | 1,228,092 | 1,099,107 | 1,035,832 |
| | Tin mill products: | | | | | | |
| 33111151C0 | Black plate | 9 | (D) | (D) | 479,084 | 242,835 | 454,574 |
| 33111151D0 | Electrolytic and hot dipped tin plate | 8 | (D) | (D) | 2,490,417 | 1,680,059 | 2,475,009 |
| 33111151E0 | Tin free steel | 5 | (D) | (D) | 468,956 | 309,335 | 460,339 |
| 33111151F0 | All other tin mill products, including short ternes and foil..... | 2 | - | - | (D) | (D) | (D) |
| | Structural shapes (heavy): | | | | | | |
| 3311117130 | Wide flange | 4 | - | - | (D) | (D) | (D) |
| 3311117140 | Standard | 7 | (D) | (D) | 2,247,865 | 1,048,791 | 2,247,843 |
| 33111171E0 | Sheet piling and bearing piles | 3 | - | - | (D) | (D) | (D) |
| | Bars: | | | | | | |
| 3311117190 | Hot-rolled, except concrete reinforcing | 34 | (D) | (D) | 6,584,273 | 3,068,232 | 5,595,230 |
| 33111171A0 | Light structurals, under 3 inches | 9 | (D) | (D) | 1,495,944 | 633,044 | 1,481,900 |
| 33111171B0 | Concrete reinforcing | 15 | - | - | 5,331,755 | 1,839,564 | 5,331,755 |
| 3312213110 | Cold finished | 34 | (D) | (D) | 1,453,938 | 1,165,408 | 1,375,432 |
| 331111L-- | Rails, wheels, and track accessories 5/..... | 9 | (D) | (D) | 1,005,309 | 616,206 | 874,293 |
| | Pipe and tubes: | | | | | | |
| | Line pipe: | | | | | | |
| 3312100110 | 16 inches O.D. and under | 20 | - | - | 1,049,135 | 653,568 | 1,049,135 |
| 3312100120 | Over 16 inches O.D. | 8 | - | - | 641,030 | 486,221 | 641,030 |
| 3312100130 | Oil country goods | 13 | - | - | 771,514 | 523,666 | 771,514 |
| | Pressure tubing: | | | | | | |
| 3312100150 | Seamless | 9 | (D) | (D) | 105,723 | 94,069 | 97,469 |
| 3312100160 | Welded | 14 | - | - | 335,370 | 398,347 | 335,370 |
| | Mechanical tubing: | | | | | | |
| 33121001A0 | Seamless | 14 | (D) | (D) | 120,446 | 136,395 | 119,999 |
| 33121001B0 | Welded | 56 | (D) | (D) | 2,246,448 | 2,173,100 | 2,197,940 |
| 33121001F0 | Structurals | 25 | (D) | (D) | 1,527,221 | 895,180 | 1,523,230 |
| 33121001G0 | Miscellaneous, including standard pipe | 33 | (D) | (D) | 1,554,580 | 1,071,588 | 1,541,679 |
| | Wire: | | | | | | |
| | Plain wire: | | | | | | |
| 3312225110 | Flat wire | 11 | 5,526 | 254 | 93,038 | 109,076 | 87,766 |
| | Round wire: | | | | | | |
| | Thermally treated: | | | | | | |
| 3312225120 | Under 1.5 mm in diameter | 16 | (D) | (D) | 67,469 | 75,366 | 28,752 |
| 3312225130 | 1.5 mm or above in diameter | 22 | (D) | (D) | 259,563 | 193,229 | 188,802 |
| | Other round wire: | | | | | | |
| 3312225140 | Under 1.5 mm in diameter | 12 | (D) | (D) | 224,188 | 281,892 | 238,867 |
| 3312225150 | 1.5 mm or above in diameter | 34 | (D) | (D) | 1,390,735 | 743,610 | 1,110,413 |
| 3312225160 | Other shape wire | 9 | (D) | (D) | (D) | (D) | (D) |
| | Plated or coated with zinc: | | | | | | |
| | Round wire: | | | | | | |
| 3312225170 | Under 1.5 mm in diameter | 13 | (D) | (D) | 51,597 | 46,770 | 49,930 |
| 3312225180 | 1.5mm or above in diameter | 20 | 88,612 | 624 | 263,601 | 182,223 | 175,613 |
| 3312225190 | Other shape wire, including flat | 9 | (D) | (D) | 72,998 | 60,771 | 41,744 |

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | No. of cos. | Receipts 2/ 3/ (quantity) | Steel consuming in producing plants (quantity) | Total shipments | | |
|-------------------------|--|-------------|---------------------------|--|-----------------|--------------------|-----------------------------|
| | | | | | Quantity | Value f.o.b. plant | Net shipments 4/ (quantity) |
| Other coated wire: | | | | | | | |
| 33122251A0 | Flat wire | 3 | (D) | (D) | 3,009 | 4,225 | 19,339 |
| 33122251B0 | Round wire | 19 | (D) | (D) | 126,599 | 130,488 | 123,683 |
| 33122251C0 | Other shape wire | 6 | - | - | (D) | (D) | (D) |
| Wire products: 6/ | | | | | | | |
| 3312223120 | Nails and staples | 24 | (D) | (D) | 642,953 | 671,356 | 642,492 |
| 331222B110 | Barbed and twisted wire | 7 | (D) | (D) | 125,050 | 118,544 | 125,023 |
| 3312227110 | Wire fence, woven and welded | 12 | (D) | (D) | 434,827 | 289,026 | 433,341 |
| 331222B120 | Bale ties | 7 | - | - | 32,218 | 21,439 | 32,218 |
| 3312221110 | Wire rope and cable | 14 | (D) | (D) | 168,754 | 380,799 | 168,607 |
| Wire strand: | | | | | | | |
| 3312221230 | For prestressed concrete | 6 | - | - | 225,942 | 154,985 | 225,942 |
| 3312221240 | Other | 13 | - | - | 174,105 | 231,408 | 174,105 |
| 3312229110 | Woven wire netting | 10 | (D) | (D) | 133,775 | 128,847 | 132,348 |
| Alloy steel total | | 78 | 1,481,197 | 103,282 | 9,179,600 | 7,252,274 | 7,801,684 |
| 3311113120 | Ingots | 14 | (D) | (D) | 321,392 | 209,445 | 392,257 |
| Semifinished products: | | | | | | | |
| 3311113160 | Blooms, billets, sheet bars, rounds, and skelp... | 17 | (D) | (D) | 1,159,476 | 763,008 | 194,775 |
| 33111131A0 | Wire rods | 5 | (D) | (D) | (D) | (D) | (D) |
| 3311113170 | Slabs | 3 | (D) | (D) | (D) | (D) | (D) |
| Finished products: | | | | | | | |
| 3311117150 | Plates, cut lengths | 9 | (D) | (D) | 953,429 | 658,794 | 953,669 |
| 3311117160 | Plates, in coils | 2 | (D) | (D) | (D) | (D) | (D) |
| 3311117170 | Structural shapes, 3 inches and under | 3 | - | - | (D) | (D) | (D) |
| Sheet: | | | | | | | |
| 3311115170 | Hot rolled | 8 | 21,298 | - | 1,216,519 | 524,938 | 1,195,221 |
| 3312211130 | Cold rolled | 7 | (D) | (D) | 120,217 | 71,849 | 117,755 |
| Sheet and strip: | | | | | | | |
| 3311115180 | Galvanized hot dipped | 3 | - | - | 106,786 | 81,586 | 106,786 |
| 3311115190 | All other metallic coated, including electrolytic | 6 | (D) | (D) | (D) | (D) | (D) |
| Strip: | | | | | | | |
| 33111151A0 | Hot rolled | 3 | 20,913 | - | (D) | (D) | (D) |
| 3312211140 | Cold rolled | 12 | (D) | (D) | 322,542 | 543,874 | 310,937 |
| Bars: | | | | | | | |
| 33111171C0 | Hot rolled, including structural shapes under 3 inches | 18 | 254,544 | 353 | 2,399,235 | 1,443,990 | 2,145,043 |
| 3312213120 | Cold finished | 25 | (D) | (D) | 475,270 | 493,660 | 475,217 |
| Tool steel: | | | | | | | |
| 33111171F0 | High speed | 7 | (D) | (D) | 12,446 | 121,795 | 11,619 |
| 33111171G0 | Other than high speed | 8 | (D) | (D) | 44,413 | 173,304 | 43,455 |
| Pipe and tubes: | | | | | | | |
| 3312100140 | Oil country goods and line pipe | 8 | (D) | (D) | 952,535 | 815,404 | 952,533 |
| 3312100170 | Pressure tubing | 5 | (D) | (D) | 6,020 | 23,065 | 5,918 |
| 33121001C0 | Mechanical tubing | 10 | (D) | (D) | 406,378 | 568,605 | 310,543 |
| 33121001H0 | Miscellaneous, including standard and structural | 6 | (D) | (D) | (D) | (D) | (D) |
| 33122251D0 | Wire, plain and coated | 12 | 7,012 | - | 45,236 | 111,865 | 38,224 |
| Stainless steel | | 83 | 938,163 | 67,560 | 2,604,096 | 5,659,228 | 1,733,493 |
| 3311113130 | Ingots | 12 | (D) | (D) | 44,069 | 70,343 | 2,691 |
| Semifinished products: | | | | | | | |
| 3311113180 | Blooms, billets, slabs, sheet bars, tube rounds, and skelp | 16 | (D) | (D) | 252,877 | 329,320 | 163,591 |
| 33111131B0 | Wire rods | 5 | 14,614 | - | 30,535 | 93,624 | 15,921 |
| Finished products: | | | | | | | |
| 3311117180 | Plates and structurals | 7 | 4,219 | - | 138,733 | 367,311 | 134,514 |
| Sheet and strip: | | | | | | | |
| 33111151B0 | Hot rolled | 6 | 600,418 | - | 543,470 | 663,150 | (S) |
| 3312211150 | Cold rolled | 18 | (D) | (D) | 1,238,514 | 2,439,168 | 1,129,000 |
| Bars: | | | | | | | |
| 33111171D0 | Hot rolled | 9 | (D) | (D) | 27,257 | 102,770 | 20,990 |
| 3312213130 | Cold finished | 13 | (D) | (D) | 121,252 | 513,712 | 120,195 |
| Pipe and tubes: | | | | | | | |
| Pressure tubing: | | | | | | | |
| 3312100180 | Seamless | 8 | (D) | (D) | (D) | (D) | (D) |
| 3312100190 | Welded | 11 | (D) | (D) | 70,724 | 322,756 | 70,715 |
| Mechanical tubing: | | | | | | | |
| 33121001D0 | Seamless | 6 | (D) | (D) | 2,950 | 62,749 | 1,639 |
| 33121001E0 | Welded | 16 | (D) | (D) | 64,764 | 283,976 | 64,763 |

Table 3a. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1998
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | No. of cos. | Receipts 2/ 3/ (quantity) | Steel consuming in producing plants (quantity) | Total shipments | | |
|-----------------|---|-------------|---------------------------|--|-----------------|--------------------|-----------------------------|
| | | | | | Quantity | Value f.o.b. plant | Net shipments 4/ (quantity) |
| 33121001J0 | Other pipe and tubes | 6 | (D) | (D) | (D) | (D) | (D) |
| | Wire: | | | | | | |
| | Round wire: | | | | | | |
| 33122251E0 | Under 0.75 mm in diameter | 14 | (D) | (D) | 18,027 | 116,887 | 17,824 |
| 33122251F0 | 0.75 mm to under 1.5 mm in diameter | 13 | 432 | - | 6,086 | 36,816 | 5,682 |
| 33122251G0 | 1.5 mm and above in diameter | 15 | 1,764 | - | 32,023 | 138,477 | 30,259 |
| 33122251H0 | Other shape wire, including flat wire | 9 | (D) | (D) | 1,177 | 15,211 | 1,031 |

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; the same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1998 are as follows: total, 6,488,792 metric tons; carbon, 6,290,154 metric tons; alloy, 79,443 metric tons; stainless 119,195 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments, plus steel consumed in producing plants.

5/Product code 331111L--- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures', Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1997
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | No. of cos. | Receipts 2/ 3/ (quantity) | r/ | Steel consuming in producing plants (quantity) | Total shipments | | |
|-----------------|--|-------------|---------------------------|----|--|-----------------|--------------------|-----------------------------|
| | | | | | | Quantity | Value f.o.b. plant | Net shipments 4/ (quantity) |
| | Steel | (NA) | 27,486,253 | r/ | 1,241,033 | 116,540,900 | 68,712,197 | 90,295,680 |
| | Carbon steel | 277 | 25,058,739 | r/ | 1,065,180 | 103,899,926 | 54,782,147 | 79,906,366 |
| 3311113110 | Ingots | 5 | (D) | | (D) | 103,620 | 53,357 | r/ 188,953 |
| | Semifinished products: | | | | | | | |
| 3311113140 | Blooms, billets, sheet bars, tin mill bars, tube rounds, and skelp | 33 | 4,352,825 | | 22,980 | 2,403,008 | 726,130 | (S) |
| 3311113190 | Wire rods | 21 | 3,106,268 | | 196,345 | 4,874,077 | 1,961,096 | r/ 1,964,154 |
| 3311113150 | Slabs | 12 | 853,439 | | 1,261 | 851,503 | 234,904 | (S) |
| | Finished products: | | | | | | | |
| 3311117110 | Plates, cut lengths | 15 | (D) | | (D) | r/ 4,445,364 | r/ 2,163,206 | r/ 4,254,402 |
| 3311117120 | Plates, in coils | 5 | (D) | | (D) | (D) | (D) | (D) |
| | Sheet: | | | | | | | |
| 3311115110 | Hot rolled, including hot rolled bands | 24 | 12,106,250 | r/ | 324,465 | 20,532,499 | 7,954,027 | r/ 8,750,713 |
| 3312211110 | Cold rolled | 27 | 1,364,381 | r/ | 189,703 | 13,777,309 | 6,990,947 | 12,602,630 |
| | Sheet and strip: | | | | | | | |
| | Galvanized: | | | | | | | |
| 3311115120 | Hot dipped | 17 | (D) | | (D) | r/ 9,163,465 | 6,010,883 | r/ 9,024,899 |
| 3311115130 | Electrolytic | 14 | (D) | | (D) | 2,843,964 | 2,039,198 | 2,835,282 |
| 3311115140 | Electrical | 3 | (D) | | (D) | (D) | (D) | (D) |
| 3311115150 | All other metallic coated, including long ternes | 10 | (D) | | (D) | 1,051,885 | 787,816 | 1,042,337 |
| | Strip: | | | | | | | |
| 3311115160 | Hot rolled..... | 17 | (D) | | (D) | 2,375,859 | 945,860 | 1,805,248 |
| 3312211120 | Cold rolled | 21 | (D) | | (D) | 1,228,845 | 1,121,427 | r/ 1,055,944 |
| | Tin mill products: | | | | | | | |
| 33111151C0 | Black plate | 9 | (D) | | (D) | 610,406 | 326,711 | 584,195 |
| 33111151D0 | Electrolytic and hot dipped tin plate | 8 | (D) | | (D) | 2,646,612 | 1,799,927 | 2,631,991 |
| 33111151E0 | Tin free steel | 5 | (D) | | (D) | 485,898 | 319,875 | 477,281 |
| 33111151F0 | All other tin mill products, including short ternes and foil..... | 2 | - | | - | (D) | (D) | (D) |
| | Structural shapes (heavy): | | | | | | | |
| 3311117130 | Wide flange | 5 | - | | - | (D) | (D) | (D) |
| 3311117140 | Standard | 8 | - | | - | 2,425,231 | 1,072,051 | 2,425,231 |
| 33111171E0 | Sheet piling and bearing piles | 4 | - | | - | 319,502 | 139,564 | 319,502 |
| | Bars: | | | | | | | |
| 3311117190 | Hot-rolled, except concrete reinforcing | 36 | (D) | | (D) | 6,551,859 | 3,007,378 | 5,475,453 |
| 33111171A0 | Light structurals, under 3 inches | 9 | (D) | | (D) | 1,507,956 | 615,708 | 1,494,437 |
| 33111171B0 | Concrete reinforcing | 17 | - | | - | 5,663,269 | 1,923,388 | 5,663,269 |
| 3312213110 | Cold finished | 35 | (D) | | (D) | 1,515,543 | 1,186,597 | 1,444,669 |
| 331111L--- | Rails, wheels, and track accessories 5/..... | 10 | (D) | | (D) | 936,827 | 572,346 | 814,087 |
| | Pipe and tubes: | | | | | | | |
| | Line pipe: | | | | | | | |
| 3312100110 | 16 inches O.D. and under | 21 | - | | - | 1,189,703 | 714,777 | 1,189,703 |
| 3312100120 | Over 16 inches O.D. | 8 | - | | - | 392,540 | 280,862 | 392,540 |
| 3312100130 | Oil country goods | 14 | - | | - | 1,504,802 | 1,027,380 | 1,504,802 |
| | Pressure tubing: | | | | | | | |
| 3312100150 | Seamless | 9 | (D) | | (D) | 128,709 | 119,271 | 122,002 |
| 3312100160 | Welded | 14 | - | | - | 340,178 | 403,517 | 340,178 |
| | Mechanical tubing: | | | | | | | |
| 33121001A0 | Seamless | 14 | (D) | | (D) | 122,020 | 143,183 | 120,961 |
| 33121001B0 | Welded | 59 | (D) | | (D) | 2,261,745 | 2,191,550 | 2,213,989 |
| 33121001F0 | Structurals | 24 | (D) | | (D) | 1,584,506 | 939,002 | 1,580,651 |
| 33121001G0 | Miscellaneous, including standard pipe | 32 | (D) | | (D) | 1,628,822 | 1,249,522 | 1,616,853 |
| | Wire: | | | | | | | |
| | Plain wire: | | | | | | | |
| 3312225110 | Flat wire | 11 | 6,157 | | 177 | r/ 103,021 | r/ 111,409 | r/ 97,041 |
| | Round wire: | | | | | | | |
| | Thermally treated: | | | | | | | |
| 3312225120 | Under 1.5 mm in diameter | 16 | (D) | | (D) | r/ 61,559 | r/ 69,152 | r/ 36,473 |
| 3312225130 | 1.5 mm or above in diameter | 23 | (D) | | (D) | 255,700 | 199,642 | r/ 188,902 |
| | Other round wire: | | | | | | | |
| 3312225140 | Under 1.5 mm in diameter | 14 | (D) | | (D) | 230,019 | 277,082 | 248,425 |
| 3312225150 | 1.5 mm or above in diameter | 36 | (D) | | (D) | r/ 1,435,268 | r/ 787,792 | r/ 1,238,525 |
| 3312225160 | Other shape wire | 9 | (D) | | (D) | (D) | (D) | (D) |
| | Plated or coated with zinc: | | | | | | | |
| | Round wire: | | | | | | | |
| 3312225170 | Under 1.5 mm in diameter | 12 | (D) | | (D) | 59,312 | 51,914 | 58,161 |
| 3312225180 | 1.5mm or above in diameter | 19 | 96,321 | | 760 | 251,544 | 174,016 | r/ 155,983 |
| 3312225190 | Other shape wire, including flat | 9 | (D) | | (D) | r/ 86,549 | r/ 68,848 | r/ 58,759 |
| | Other coated wire: | | | | | | | |
| 33122251A0 | Flat wire | 3 | (D) | | (D) | 3,547 | 4,508 | 20,890 |
| 33122251B0 | Round wire | 20 | (D) | | (D) | 117,937 | 125,126 | 115,199 |
| 33122251C0 | Other shape wire | 6 | - | | - | (D) | (D) | (D) |
| | Wire products: 6/ | | | | | | | |
| 3312223120 | Nails and staples | 24 | (D) | | (D) | r/ 607,816 | 694,910 | r/ 607,355 |
| 331222B110 | Barbed and twisted wire | 8 | (D) | | (D) | 139,131 | 135,526 | 139,108 |
| 3312227110 | Wire fence, woven and welded | 14 | (D) | | (D) | r/ 438,885 | r/ 296,464 | r/ 438,356 |
| 331222B120 | Bale ties | 7 | - | | - | 32,316 | 21,295 | 32,316 |
| 3312221110 | Wire rope and cable | 13 | (D) | | (D) | 171,598 | 372,095 | 170,998 |
| | Wire strand: | | | | | | | |
| 3312221230 | For prestressed concrete | 6 | - | | - | 215,178 | 150,016 | 215,178 |

Table 3b. Receipts, Consumption, Shipments, and Net Shipments of Steel Mill Products: 1997
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | No. of cos. | Receipts 2/ 3/ (quantity) | Steel consuming in producing plants (quantity) | Total shipments | | Net shipments 4/ (quantity) |
|-----------------|--|-------------|---------------------------|--|-----------------|--------------------|-----------------------------|
| | | | | | Quantity | Value f.o.b. plant | |
| 3312221240 | Other | 12 | - | - | 177,231 | 240,328 | 177,231 |
| 3312229110 | Woven wire netting | 10 | (D) | (D) r/ | 113,137 | 111,422 | 112,041 |
| | Alloy steel total | 80 | 1,570,668 | r/ 107,151 | 9,992,557 | 7,742,761 | 8,622,521 |
| 3311113120 | Ingots | 13 | (D) | (D) r/ | 337,764 | 225,481 | 414,739 |
| | Semifinished products: | | | | | | |
| 3311113160 | Blooms, billets, sheet bars, rounds, and skelp.. | 15 | (D) | (D) | 1,577,636 | 921,610 | 638,647 |
| 33111131A0 | Wire rods | 4 | (D) | (D) | (D) | (D) | (D) |
| 3311113170 | Slabs | 2 | (D) | (D) | (D) | (D) | (D) |
| | Finished products: | | | | | | |
| 3311117150 | Plates, cut lengths | 8 | (D) | (D) | 798,932 | 557,814 | 799,105 |
| 3311117160 | Plates, in coils | 3 | (D) | (D) | (D) | (D) | (D) |
| 3311117170 | Structural shapes, 3 inches and under | 3 | - | - | 6,601 | 5,348 | 6,601 |
| | Sheet: | | | | | | |
| 3311115170 | Hot rolled | 9 | r/ 22,607 | - | 1,560,141 | 685,205 | 1,538,487 |
| 3312211130 | Cold rolled | 7 | (D) | (D) | 151,961 | 88,415 | 151,234 |
| | Sheet and strip: | | | | | | |
| 3311115180 | Galvanized hot dipped | 3 | (D) | (D) | 127,833 | 87,990 | 127,833 |
| 3311115190 | All other metallic coated, including electrolytic | 6 | (D) | (D) | (D) | (D) | (D) |
| | Strip: | | | | | | |
| 33111151A0 | Hot rolled | 4 | 21,348 | - r/ | 1,953 | 1,219 | (S) |
| 3312211140 | Cold rolled | 12 | (D) | (D) | 294,146 | 519,126 | 285,494 |
| | Bars: | | | | | | |
| 33111171C0 | Hot rolled, including structural shapes under 3 inches | 17 | (D) | (D) | 2,475,229 | 1,473,387 | 2,212,383 |
| 3312213120 | Cold finished | 25 | (D) | (D) | 467,169 | 486,900 | 467,087 |
| | Tool steel: | | | | | | |
| 33111171F0 | High speed | 7 | (D) | (D) | 12,483 | 118,977 | 11,820 |
| 33111171G0 | Other than high speed | 7 | (D) | (D) | 47,386 | 182,722 | 46,635 |
| | Pipe and tubes: | | | | | | |
| 3312100140 | Oil country goods and line pipe | 8 | (D) | (D) | 1,195,003 | 1,014,604 | 1,195,001 |
| 3312100170 | Pressure tubing | 6 | (D) | (D) | 9,770 | 28,307 | 9,529 |
| 33121001C0 | Mechanical tubing | 11 | (D) | (D) | 572,965 | 773,720 | 438,283 |
| 33121001H0 | Miscellaneous, including standard and structural | 4 | (D) | (D) | (D) | (D) | (D) |
| 33122251D0 | Wire, plain and coated | 13 | 4,233 | - r/ | 44,422 | 122,259 | 40,152 |
| | Stainless steel | 87 | 950,326 | r/ 68,702 | 2,648,417 | 6,187,289 | 1,766,793 |
| 3311113130 | Ingots | 11 | (D) | (D) | 44,323 | 71,973 | (D) |
| | Semifinished products: | | | | | | |
| 3311113180 | Blooms, billets, slabs, sheet bars, tube rounds, and skelp | 15 | (D) | (D) r/ | 318,337 | 448,961 | 238,935 |
| 33111131B0 | Wire rods | 5 | r/ 16,370 | - | 33,558 | 103,449 | 17,188 |
| | Finished products: | | | | | | |
| 3311117180 | Plates and structurals | 6 | 7,124 | - | 140,169 | 397,217 | 133,346 |
| | Sheet and strip: | | | | | | |
| 33111151B0 | Hot rolled | 7 | 624,711 | - | 562,727 | 820,902 | (S) |
| 3312211150 | Cold rolled | 19 | (D) | (D) | 1,166,480 | 2,522,226 | 1,066,498 |
| | Bars: | | | | | | |
| 33111171D0 | Hot rolled | 8 | (D) | (D) | 36,901 | 133,074 | 27,147 |
| 3312213130 | Cold finished | 13 | (D) | (D) | 130,232 | 573,117 | 128,691 |
| | Pipe and tubes: | | | | | | |
| | Pressure tubing: | | | | | | |
| 3312100180 | Seamless | 8 | (D) | (D) | (D) | (D) | (D) |
| 3312100190 | Welded | 12 | (D) | (D) r/ | 72,281 | 330,256 | 72,272 |
| | Mechanical tubing: | | | | | | |
| 33121001D0 | Seamless | 5 | (D) | (D) | 2,799 | 57,784 | 1,769 |
| 33121001E0 | Welded | 16 | (D) | (D) | 69,032 | 301,017 | 69,030 |
| 33121001J0 | Other pipe and tubes | 6 | (D) | (D) | (D) | (D) | (D) |
| | Wire: | | | | | | |
| | Round wire: | | | | | | |
| 33122251E0 | Under 0.75 mm in diameter | 14 | (D) | (D) r/ | 17,508 | 116,202 | 17,119 |
| 33122251F0 | 0.75 mm to under 1.5 mm in diameter | 13 | 327 | 45 | 5,290 | 32,787 | 5,009 |
| 33122251G0 | 1.5 mm and above in diameter | 17 | 2,011 | - | 33,895 | 147,127 | 31,884 |
| 33122251H0 | Other shape wire, including flat wire | 9 | (D) | (D) r/ | 2,405 | 20,369 | 2,274 |

- Represents zero. D Withheld to avoid disclosing data for individual companies. NA Not available. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards.

1/Product codes in the 3312225 series also include products in the 3311119 series; the same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/Excludes receipts and shipments of steel processed on a conversion basis for nonsteel producing companies. Receipts data represent receipts at producing mills only and include receipts from domestic sources.

3/Import receipts of steel mill products for 1997 are as follows: total, 6,290,131 metric tons; carbon, 6,086,380 metric tons; alloy, 75,182 metric tons; stainless 119,195 metric tons.

4/Net shipments are derived by subtracting domestic receipts from total quantity shipments, plus steel consumed in producing plants.

5/Product code 331111L-- combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

6/Represents wire products produced within steel works and wire drawing establishments. See the 1997 Census of Manufactures', Tables 6A and 6B for detailed information.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 4. Minimill Shipments of Selected Steel Mill Products: 1998 and 1997
[Quantity in metric tons]

| Product code 1/ | Product description | No. of mini-mill cos. | 1998 | | | Percent of mini-mills | No. of mini-mill cos. | 1997 | | |
|-----------------|--|-----------------------|------------|------------|------|-----------------------|-----------------------|-------------|-----------|-----------------------|
| | | | Industry | Minimills | | | | Industry | Minimills | Percent of mini-mills |
| 3311113110 | Carbon steel 2/..... | 27 | 44,264,286 | 16,212,098 | 36.6 | 27 | r/39,413,855 | 16,544,217 | 42.0 | |
| | Ingots..... | 1 | 112,562 | (D) | (D) | 1 | 103,620 | (D) | (D) | |
| | Semifinished products: | | | | | | | | | |
| 3311113140 | Blooms, billets, slabs, sheet bars, | | | | | | | | | |
| 3311113150 | tin mill bars, tube rounds, and skelp..... | 18 | 3,438,152 | 1,237,588 | 46.6 | 19 | 3,254,511 | 1,104,815 | 46.0 | |
| 3311113190 | Wire rods..... | 6 | 4,785,927 | 1,716,679 | 35.9 | 4 | 4,753,550 | r/1,706,001 | 35.9 | |
| | Finished products: | | | | | | | | | |
| 3311117110 | Plates, all lengths..... | 4 | (D) | 1,432,522 | (D) | 4 | (D) | r/1,219,198 | (D) | |
| 3311117120 | | | | | | | | | | |
| 3311115160 | Hot-rolled strip..... | 4 | 2,335,219 | 84,479 | 3.6 | 4 | 2,375,859 | 94,717 | 4.0 | |
| | Structural shapes (heavy): | | | | | | | | | |
| 3311117130 | Wide flange..... | 3 | (D) | 902,470 | (D) | 3 | (D) | 830,576 | (D) | |
| 3311117140 | Standard heavy shapes..... | 6 | 2,247,865 | 1,953,012 | 86.9 | 6 | 2,425,231 | 2,115,958 | 87.2 | |
| 33111171E0 | Sheet piling and bearing piles..... | 1 | 316,001 | (D) | (D) | 1 | 319,502 | (D) | (D) | |
| | Bars: | | | | | | | | | |
| 3311117190 | Hot-rolled bars (except concrete reinforcing)..... | 16 | 6,548,273 | 3,511,567 | 53.6 | 16 | 6,549,080 | 3,558,721 | 54.3 | |
| 33111171A0 | Light structurals (under 3 inches)..... | 7 | 1,495,944 | 1,098,187 | 73.4 | 7 | 1,507,956 | 1,109,857 | 73.6 | |
| 33111171B0 | Concrete reinforcing bars..... | 11 | 5,331,755 | 3,431,631 | 64.4 | 11 | 5,562,491 | 3,764,996 | 67.7 | |
| 3312213110 | Cold-finished bars..... | 2 | 1,453,938 | (D) | (D) | 2 | 1,523,004 | (D) | (D) | |
| 331111L--- | Rails, wheels, and track accessories 3/..... | 2 | 1,005,309 | (D) | (D) | 2 | 923,119 | (D) | (D) | |
| | Pipe and tube: | | | | | | | | | |
| 3312100110 | Line pipe, 16 inches O.D. and under..... | 2 | 1,049,135 | (D) | (D) | 2 | 1,189,785 | (D) | (D) | |
| 3312100130 | Oil country goods..... | 2 | 771,514 | (D) | (D) | 2 | 1,504,802 | (D) | (D) | |
| 33121001A0 | Mechanical tubing, seamless..... | 1 | 120,446 | (D) | (D) | 1 | r/128,747 | (D) | (D) | |
| 33121001F0 | Structurals..... | 2 | 1,527,221 | (D) | (D) | 2 | 1,561,067 | (D) | (D) | |
| 33121001G0 | Miscellaneous, including standard pipe..... | 2 | 1,554,580 | (D) | (D) | 2 | 1,623,340 | (D) | (D) | |
| 3312225--- | Wire 4/..... | 2 | (D) | (D) | (D) | 2 | (D) | (D) | (D) | |
| 331222---- | Wire products 5/..... | 1 | 1,937,624 | (D) | (D) | 1 | 1,796,406 | (D) | (D) | |

D Withheld to avoid disclosing data for individual companies. r/Revised by 5 percent or more from previously published data.

1/Product codes in the 3312225 series also include products in the 3311119 series, the same applies for 3312211 and 331111D; 3312213 and 331111F; and 3312100 and 331111B.

2/The total data is for selected product codes only.

3/Product code 331111L--- combines product codes 331111L110, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170.

4/Product code 3312225--- combines product codes 3312225100 through 33122251H0.

5/Product code 331222---- combines product codes 3312223122, 331222B110, 3312227110, 331222B120, 3312221110, 3312221230, 3312221240, and 3312229110.

Note: Quantity data converted to metric tons; therefore, detail may not add to the total because of rounding.

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | Manufacturers' shipments | | Export of domestic merchandise 1/ 2/ | | Imports for consumption 1/ 3/ | | Apparent consumption 4/ | |
|--|---|--------------------------|--------------------------|--------------------------------------|---------------|-------------------------------|-----------------|-------------------------|------------|
| | | Net (quantity) 5/ | Total value f.o.b. plant | Quantity | Value at port | Quantity | Value c.i.f. 6/ | Quantity | Value |
| | Total | 88,347,517 | 65,910,537 | 3,483,190 | 3,611,300 | 17,794,317 | 9,331,710 | 102,658,645 | 71,630,947 |
| 3311113110 | Carbon steel ingots | 224,518 | 50,005 | 23,100 | 26,993 | 131,892 | 32,029 | 333,311 | 55,041 |
| 3311113140 3311113150 | Carbon steel, semifinished blooms, billets, sheet bars, tin mill bars, tube rounds, skelp, and slabs | (D) | 1,098,504 | 127,038 | 58,250 | 5,601,692 | 1,461,085 | (D) | 2,501,339 |
| 3311113190 | Carbon steel, semifinished wire rods..... | 2,086,378 | 1,854,014 | - | - | - | - | 2,289,896 | 1,854,014 |
| 3311117110 3311117120 | Carbon steel, finished plates, both cut in lengths and in coils..... | (D) | (D) | - | - | - | - | (D) | (D) |
| 3311115110 3311115160 | Carbon steel, finished sheet and strip, hot rolled, including hot rolled bands..... | 10,534,121 | 8,057,177 | 50,939 | 49,371 | 20,003 | 10,466 | 10,503,184 | 8,018,272 |
| 3312211110 | Carbon steel, finished sheet, cold rolled..... | 11,775,731 | 6,410,785 | 334,180 | 181,289 | 18,939 | 10,880 | 11,460,490 | 6,240,376 |
| 3311115120 | Carbon steel, finished sheet and strip, galvanized, hot dipped..... | 9,670,720 | 6,231,951 | 23,041 | 20,812 | 1,032,148 | 603,810 | 10,679,827 | 6,814,949 |
| 3311115130 | Carbon steel, finished sheet and strip, galvanized, electrolytic..... | 3,290,494 | 2,254,125 | 162,028 | 128,107 | - | - | 3,128,466 | 2,126,018 |
| 3311115140 3311115150 | Carbon steel, finished sheet and strip, electrical and other metallic coating, including long ternes..... | (D) | (D) | 136,114 | 155,863 | 243,372 | 227,643 | (D) | (D) |
| 3312211120 | Carbon steel, finished strip, cold rolled..... | 1,035,832 | 1,099,107 | 27,161 | 29,040 | 8,693 | 28,392 | 1,017,364 | 1,098,459 |
| 33111151C0 | Carbon steel, finished tin mill, black plate..... | 454,574 | 242,835 | 12,442 | 5,626 | - | - | 442,132 | 237,209 |
| 33111151D0 | Carbon steel, finished tin mill, electrolytic and hot dipped tin plate..... | 2,475,009 | 1,680,059 | 240,037 | 143,150 | 291,506 | 203,799 | 2,526,477 | 1,740,708 |
| 33111151E0 33111151F0 | Carbon steel, finished tin mill, tin free steel and other tin mill products, including short ternes and foil..... | (D) | (D) | (NA) | (NA) | (NA) | (NA) | (D) | (D) |
| 3311117130 3311117140 | Carbon steel, finished structural shapes (heavy), both wide flange and standard heavy shapes..... | (D) | (D) | 268,455 | 130,768 | 2,400,547 | 958,091 | (D) | (D) |
| 33111171E0 | Carbon steel, finished sheet piling and bearing piles..... | 316,001 | 141,049 | 14,490 | 13,655 | 198,405 | 119,235 | 499,916 | 246,629 |
| 3311117190 | Carbon steel, finished bars, hot rolled (except concrete reinforcing)..... | 5,595,230 | 3,068,232 | 103,046 | 60,566 | 148,996 | 83,605 | 5,641,181 | 3,091,271 |
| 33111171A0 | Carbon steel, finished bars, light structurals, under 3 inches..... | 1,481,900 | 633,044 | 89,440 | 54,582 | 253,187 | 102,909 | 1,645,647 | 681,371 |
| 33111171B0 | Carbon steel, finished bars, concrete reinforcing..... | 5,331,755 | 1,839,564 | 103,046 | 60,566 | 1,117,647 | 338,589 | 6,346,356 | 2,117,587 |
| 3312213110 | Carbon steel, finished bars, cold finished..... | 1,375,432 | 1,165,408 | 31,945 | 26,034 | 94,754 | 80,453 | 1,438,241 | 1,219,827 |
| 331111L-- | Carbon steel, finished rails, wheels, and track accessories 7/..... | 874,293 | 616,206 | 74,228 | 53,717 | 301,461 | 182,609 | 1,101,526 | 745,098 |
| 3312100110 3312100120 | Carbon steel, finished line pipe, all diameters..... | 1,690,165 | 1,139,789 | 255,935 | 260,582 | 1,047,661 | 657,859 | 2,481,892 | 1,537,066 |
| 3312100130 | Carbon steel, finished pipe and tubes, oil country goods..... | 771,514 | 523,666 | 155,840 | 240,116 | 116,764 | 71,257 | 732,438 | 354,807 |
| 33121001F0 | Carbon steel, finished pipe and tubes, structurals..... | 1,523,230 | 895,180 | 70,251 | 70,399 | 579,980 | 316,225 | 2,032,959 | 1,141,006 |
| 3312100150 3312100160 33121001A0 33121001B0 33121001G0 | Carbon steel, finished pipe and tubes (except line pipe, oil country goods, and structurals)..... | 4,292,457 | 3,873,499 | 85,989 | 113,869 | 1,074,078 | 748,873 | 5,280,546 | 4,508,503 |
| 3312225110 3312225120 3312225130 3312225140 3312225150 3312225160 | Carbon steel, finished plain wire..... | 1,895,466 | 1,522,443 | 30,926 | 38,092 | - | - | 1,864,540 | 1,484,351 |

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | Manufacturers' shipments | | Export of domestic merchandise 1/ 2/ | | Imports for consumption 1/ 3/ | | Apparent consumption 4/ | |
|--|---|--------------------------|--------------------------|--------------------------------------|---------------|-------------------------------|-----------------|-------------------------|---------|
| | | Net (quantity) 5/ | Total value f.o.b. plant | Quantity | Value at port | Quantity | Value c.i.f. 6/ | Quantity | Value |
| 3312225170 3312225180 3312225190 | Carbon steel, finished wire, plated or coated with zinc..... | 267,287 | 289,764 | 10,812 | 11,965 | - | - | 256,475 | 277,799 |
| 33122251A0 33122251B0 33122251C0 | Carbon steel, finished wire, plated or coated, other than with zinc..... | (D) | (D) | 23,952 | 33,268 | - | - | (D) | (D) |
| 3312223120 | Carbon steel, finished wire nails and staples..... | 642,492 | 671,356 | 24,160 | 46,905 | 372,201 | 283,867 | 990,533 | 908,318 |
| 331222B110 | Carbon steel, finished barbed and twisted wire..... | 125,023 | 118,544 | 3,188 | 4,876 | 12,424 | 10,014 | 134,259 | 123,682 |
| 3312227110 3312229110 | Carbon steel, finished wire fence (woven and welded) and woven wire netting..... | 565,689 | 417,873 | 12,010 | 17,855 | 63,055 | 63,481 | 616,735 | 463,499 |
| 331222B120 | Carbon steel, finished wire bale ties..... | 32,218 | 21,439 | (NA) | (NA) | (NA) | (NA) | 32,218 | 21,439 |
| 3312221110 | Carbon steel, finished wire rope and cable..... | 168,607 | 380,799 | 14,211 | 40,040 | 115,108 | 184,480 | 269,503 | 525,239 |
| 3312221230 | Carbon steel, finished wire strand for prestressed concrete..... | 225,942 | 154,985 | 5,915 | 10,767 | 59,776 | 37,348 | 279,804 | 181,566 |
| 3312221240 | Carbon steel, finished wire strand (except for prestressed concrete)..... | 174,105 | 231,408 | (NA) | (NA) | (NA) | (NA) | 174,105 | 231,408 |
| 3311113120 | Alloy steel (except stainless) ingots..... | 392,257 | 209,445 | 31,375 | 32,756 | 7,956 | 7,856 | 368,838 | 184,545 |
| 3311113160 3311113170 | Alloy steel (except stainless) semifinished blooms, billets, sheet bars, tube rounds, skelp, and slabs..... | (D) | (D) | 18,401 | 29,132 | 259,976 | 112,393 | (D) | (D) |
| 3311117150 3311117160 3311115170 3312211130 3311115180 3311115190 33111151A0 3312211140 | Alloy steel (except stainless) finished plate, sheet or strip, both hot and cold rolled or cold finished..... | (D) | (D) | 147,666 | 142,724 | 763,941 | 641,499 | (D) | (D) |
| 33111131A0 3311117170 33111171C0 3312213120 | Alloy steel (except stainless) semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished..... | (D) | (D) | 188,687 | 177,564 | 919,925 | 599,011 | (D) | (D) |
| 33111171F0 | Alloy steel (except stainless) finished tool steel, high speed..... | 11,619 | 121,795 | 1,134 | 9,583 | 2,402 | 17,569 | 12,887 | 129,781 |
| 33111171G0 | Alloy steel (except stainless) finished tool steel (except high speed)..... | 43,455 | 173,304 | 7,167 | 21,781 | 52,795 | 82,306 | 89,083 | 233,829 |
| 3312100140 | Alloy steel (except stainless) finished oil country goods and line pipe..... | 952,533 | 815,404 | 266,302 | 314,133 | 23,646 | 35,451 | 709,877 | 536,722 |
| 3312100170 33121001C0 33121001H0 33121001D0 33121001E0 33121001F0 3312100180 3312100190 | Alloy steel, including stainless, pipe and tubes, n.e.c. | (D) | (D) | 108,628 | 269,534 | 174,724 | 339,558 | (D) | (D) |
| 33122251D0 | Alloy steel (except stainless) finished wire, plain or coated..... | 38,224 | 111,865 | 42,196 | 100,888 | 69,614 | 100,676 | 65,642 | 111,653 |
| 3311113130 | Stainless steel ingots | 2,691 | 70,343 | 4,934 | 20,852 | 4,779 | 6,684 | 2,536 | 56,175 |
| 3311113180 | Stainless steel, semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp | 163,591 | 329,320 | - | - | - | - | 163,591 | 329,320 |
| 33111131B0 33111171D0 | Stainless steel, semifinished wire rods and finished bars, hot rolled..... | 36,911 | 196,394 | 3,191 | 9,706 | 56,481 | 129,343 | 90,201 | 316,031 |
| 3311117180 | Stainless steel, finished plates and structurals..... | 134,514 | 367,311 | 34,953 | 80,698 | 19,938 | 53,792 | 119,499 | 340,405 |

Continued

Table 5. Net Shipments, Exports, Imports, and Apparent Consumption of Steel Mill Products: 1998--REVISED
 [Quantity in metric tons. Value in thousands of dollars]

| Product code 1/ | Product description | Manufacturers' shipments | | Export of domestic merchandise 1/ 2/ | | Imports for consumption 1/ 3/ | | Apparent consumption 4/ | |
|-----------------|---|--------------------------|--------------------------|--------------------------------------|---------------|-------------------------------|-----------------|-------------------------|-----------|
| | | Net (quantity) 5/ | Total value f.o.b. plant | Quantity | Value at port | Quantity | Value c.i.f. 6/ | Quantity | Value |
| 3311151B0 | Stainless steel, finished sheet and strip, hot rolled..... | (D) | 663,150 | 20,446 | 34,225 | 19,661 | 29,753 | (D) | 658,678 |
| 331221150 | Stainless steel, finished sheet and strip, cold rolled..... | 1,129,000 | 2,439,168 | 78,165 | 195,679 | 14,750 | 40,301 | 1,065,586 | 2,283,790 |
| 3312213130 | Stainless steel, finished bars, cold finished..... | 120,195 | 513,712 | 8,961 | 45,969 | 71,498 | 195,947 | 182,731 | 663,690 |
| 33122251E0 | Stainless steel, finished wire..... | 54,796 | 54,796 | 7,066 | 38,953 | 27,941 | 122,572 | 75,671 | 138,415 |
| 33122251F0 | | | | | | | | | |
| 33122251G0 | | | | | | | | | |
| 33122251H0 | | | | | | | | | |

- Represents zero. D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. NA Not available.

1/For a comparison of North American Industry Classification System-based product codes with Schedule B export number and HTSUSA import numbers, see Table 6.

2/Source: Census Bureau report EM 545, U.S. Exports.

3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.

4/Apparent consumption is derived by subtracting exports from the total manufacturers' shipments plus imports.

5/Includes quantities of steel consumed in steel producing plants in the manufacture of fabricated products and maintenance, repair, and operating supplies (MRO) while excluding receipts. Refer to Table 3a for the net shipments detail.

6/This dollar value represents the c.i.f. (cost, insurance, and freight) value at the first port of entry in the United States plus U.S. import duties.

7/Data for manufactures' shipments, product code 331111L -- combines product codes 331111L10, 331111L120, 331111L130, 331111L140, 331111L150, 331111L160, and 331111L170, for exports and imports, product code 331111L -- combines product codes 331111L10, 331111L120, 331111L130, and 331111L140, product codes 331111L150, 331111L160, 331111L170 are not applicable. Refer to Table 6 for details.

Note: Quantity data converted to metric tons; therefore, detail may not add to total because of rounding.

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|---|--|--|
| 3311113110 | Carbon steel ingots..... | 7206.10.0000 7206.90.0000 | 7206.10.0000 7206.90.0000 |
| 3311113140 | Carbon steel, semifinished blooms, billets, sheet bars, tin mill bars, tube | | |
| 3311113190 | rounds, skelp, and slabs..... | 7207.11.0000 7207.12.0000 7207.19.0000 7207.20.0000 | 7207.11.0000 7207.12.0010 7207.12.0050 7207.19.0030 7207.19.0090 7207.20.0025 7207.20.0045 7207.20.0075 7207.20.0090 |
| 3311113150 | Carbon steel, semifinished wire rods..... | 7213.31.0000 7213.41.0000 | 7213.31.3000 7213.31.6000 7213.41.3000 7213.41.6000 7213.50.0020 |
| 3311117110 | Carbon steel, finished plates, both cut in lengths and in coils..... | 7208.11.0000 | 7208.11.0000 |
| 3311117120 | | 7208.12.0000 7208.21.0000 7208.22.0000 7208.31.0000 7208.32.0000 7208.33.0000 7208.41.0000 7208.42.0000 7208.43.0000 7211.11.0000 7211.12.0000 7211.21.0000 7211.22.0000 | 7208.12.0000 7208.21.1000 7208.21.5000 7208.22.1000 7208.22.5000 7208.31.0000 7208.32.0000 7208.33.1000 7208.33.5000 7208.41.0000 7208.42.0000 7208.43.0000 7211.11.0000 7211.12.0000 7211.21.0000 7211.22.0045 7211.22.0090 |
| 3311115110 | Carbon steel, finished sheet and strip, hot rolled, including hot rolled | | |
| 3311115160 | bands..... | 7208.13.0000 7208.14.0000 7208.23.0000 7208.24.0000 7208.34.0000 7208.35.0000 7208.44.0000 7208.45.0000 7208.90.0000 7210.70.0000 7211.19.0000 7211.29.0000 | 7208.13.1000 7208.13.5000 7208.14.1000 7208.14.5000 7208.23.1000 7208.23.5030 7208.23.5090 7208.24.1000 7208.24.5030 7208.24.5090 7208.34.1000 7208.34.5000 7208.35.1000 7208.35.5000 7208.44.0000 7208.45.0000 7208.90.0000 7210.70.3000 7211.19.1000 7211.19.5000 7211.29.1000 7211.29.3000 7211.29.5000 7211.29.7030 7211.29.7060 7211.29.7090 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|---|------------------|------------------|
| 3312211110 | Carbon steel, finished sheet, cold rolled..... | 7209.11.0000 | 7209.11.0000 |
| | | 7209.12.0000 | 7209.12.0030 |
| | | 7209.13.0000 | 7209.12.0090 |
| | | 7209.14.0000 | 7209.13.0030 |
| | | 7209.15.0010 | 7209.13.0090 |
| | | 7209.15.0050 | 7209.14.0030 |
| | | 7209.16.0010 | 7209.14.0090 |
| | | 7209.16.0090 | 7209.21.0000 |
| | | 7209.17.0010 | 7209.22.0000 |
| | | 7209.17.0090 | 7209.23.0000 |
| | | 7209.18.1500 | 7209.24.5000 |
| | | 7209.18.6000 | 7209.31.0000 |
| | | 7209.21.0000 | 7209.32.0000 |
| | | 7209.22.0000 | 7209.33.0000 |
| | | 7209.23.0000 | 7209.34.0000 |
| | | 7209.24.5000 | 7209.41.0000 |
| | | 7209.25.0010 | 7209.42.0000 |
| | | 7209.25.0050 | 7209.43.0000 |
| | | 7209.26.0010 | 7209.44.0000 |
| | | 7209.26.0050 | 7209.90.0000 |
| | | 7209.27.0010 | |
| | | 7209.27.0050 | |
| | | 7209.28.0010 | |
| | | 7209.28.0050 | |
| | | 7209.31.0000 | |
| | | 7209.32.0000 | |
| | | 7209.33.0000 | |
| 7209.34.0000 | | | |
| 7209.41.0000 | | | |
| 7209.42.0000 | | | |
| 7209.43.0000 | | | |
| 7209.44.0000 | | | |
| 7209.90.0000 | | | |
| 3311115120 | Carbon steel, finished sheet and strip, galvanized, hot dipped..... | 7210.41.0000 | 7210.41.0000 |
| | | 7210.49.0000 | 7210.49.0030 |
| | | 7212.30.0000 | 7210.49.0090 |
| | | | 7212.30.1030 |
| | | | 7212.30.1090 |
| | 7212.30.3000 | | |
| | 7212.30.5000 | | |
| 3311115130 | Carbon steel, finished sheet and strip, galvanized, electrolytic..... | 7210.30.0030 | 7210.31.0000 |
| | | 7210.30.0060 | 7210.39.0000 |
| | | 7210.31.0000 | 7212.21.0000 |
| | | 7210.39.0000 | 7212.29.0000 |
| | | 7212.20.1000 | |
| | | 7212.20.5000 | |
| | | 7212.21.0000 | |
| 7212.29.0000 | | | |
| 3311115140 | Carbon steel, finished sheet and strip, electrical and other metallic coating | | |
| 3311115150 | including long ternes..... | 7210.20.0000 | 7210.20.0000 |
| | | 7210.50.0000 | 7210.60.0000 |
| | | 7210.60.0000 | 7210.70.6030 |
| | | 7210.70.0000 | 7210.70.6060 |
| | | 7210.90.1000 | 7210.70.6090 |
| | | 7210.90.5000 | 7210.90.1000 |
| | | 7212.40.0000 | 7210.90.6000 |
| | | 7212.50.0000 | 7210.90.9000 |
| | | 7212.60.0000 | 7212.40.1000 |
| | | | 7212.40.5000 |
| | | | 7212.50.0000 |
| | | | 7212.60.0000 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|--|--|
| 3312211120 | Carbon steel, finished strip, cold rolled..... | 7211.30.0000 7211.41.0000 7211.49.0000 7211.90.0000 | 7211.30.1030 7211.30.1090 7211.30.3000 7211.30.5000 7211.41.1000 7211.41.3030 7211.41.3090 7211.41.5000 7211.41.7030 7211.41.7060 7211.41.7090 7211.49.1030 7211.49.1090 7211.49.3000 7211.49.5030 7211.49.5060 7211.49.5090 7211.90.0000 |
| 33111151C0 | Carbon steel, finished tin mill, black plate..... | 7209.18.2500 7209.24.1000 | 7209.24.1000 |
| 33111151D0 | Carbon steel, finished tin mill, electrolytic and hot dipped tin plate..... | 7210.11.0000 7210.12.0000 7212.10.0000 | 7210.11.0000 7210.12.0000 7212.10.0000 |
| 33111151E0 | Carbon steel, finished tin mill, tin free steel and other tin mill products, | | |
| 33111151F0 | including short ternes and foil..... | (NA) | (NA) |
| 3311117130 | Carbon steel, finished structural shapes (heavy), both wide flange and | | |
| 3311117140 | standard heavy shapes..... | 7216.31.0000 7216.32.0000 7216.33.0000 7216.40.0000 7216.50.0000 7216.60.0000 7216.90.0000 | 7216.31.0000 7216.32.0000 7216.33.0030 7216.33.0060 7216.33.0090 7216.40.0010 7216.40.0050 7216.50.0000 7216.60.0000 7216.90.0000 |
| 33111171E0 | Carbon steel, finished sheet piling and bearing piles..... | 7301.10.0000 | 7301.10.0000 |
| 3311117190 | Carbon steel, finished bars, hot rolled (except concrete reinforcing)..... | 7213.20.0000 7213.39.0000 7213.49.0000 7213.50.0000 7214.10.0000 7214.30.0000 7214.40.0000 7314.50.0000 7214.60.0000 7215.90.0000 | 7213.20.0000 7213.39.0030 7213.39.0060 7213.39.0090 7213.49.0030 7213.49.0060 7213.49.0090 7213.50.0040 7213.50.0060 7213.50.0080 7214.10.0000 7214.30.0000 7214.40.0010 7214.40.0030 7214.40.0050 7214.50.0010 7214.50.0030 7214.50.0050 7214.60.0010 7214.60.0030 7214.60.0050 7215.90.1000 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--|---|--|--|
| 33111171A0 | Carbon steel, finished bars, light structurals, under 3 inches..... | 7216.10.0000 7216.21.0000 7216.22.0000 | 7216.10.0010 7216.10.0050 7216.21.0000 7216.22.0000 |
| 33111171B0 | Carbon steel, finished bars, concrete reinforcing..... | 7213.10.0000 7214.20.0000 | 7213.10.0000 7214.20.0000 |
| 3312213110 | Carbon steel, finished bars, cold finished..... | 7215.10.0000 7215.20.0000 7215.30.0000 7215.40.0000 7215.90.0000 | 7215.10.0000 7215.20.0000 7215.30.0000 7215.40.0000 7215.90.3000 7215.90.5000 |
| 331111L110 | Carbon steel, finished rails, standard tee, over 60 lbs per yard..... | 7302.10.1020 | 7302.10.1010 7302.10.1035 |
| 331111L120 | Carbon steel, finished rails, n.e.c., including light (60 lbs per yard and under)..... | 7302.10.1030 | 7302.10.1015 7302.10.1025 7302.10.1045 7302.10.1055 |
| 331111L130 331111L140 | Carbon steel, finished rails, joint bars and tie plates..... | 7302.40.0000 | 7302.40.0000 |
| 331111L150 331111L160 331111L170 | Carbon steel, finished wheels (rolled and forged), axles (rolled and forged), and track spikes..... | (NA) | (NA) |
| 3312100110 3312100120 | Carbon steel, finished line pipe, all diameters..... | 7304.10.1020 7304.10.1050 7304.10.1080 7305.11.1000 7305.12.1000 7305.19.1000 7306.10.1000 | 7304.10.1020 7304.10.1030 7304.10.1045 7304.10.1060 7304.10.1080 7305.11.1030 7305.11.1060 7305.12.1030 7305.12.1060 7305.19.1030 7305.19.1060 7306.10.1010 7306.10.1050 |
| 3312100130 | Carbon steel, finished pipe and tubes, oil country goods..... | 7304.20.1500 7304.20.5000 7304.20.7000 7304.21.3000 7304.29.1055 7304.29.5000 7305.20.3000 7306.20.1500 7306.20.6000 | 7304.20.1010 7304.20.1020 7304.20.1030 7304.20.1040 7304.20.1050 7304.20.1060 7304.20.1080 7304.20.2010 7304.20.2020 7304.20.2030 7304.20.2040 7304.20.2050 7304.20.2060 7304.20.2080 7304.20.5015 7304.20.5030 7304.20.5045 7304.20.5060 7304.20.5075 7304.20.7000 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|------------------|------------------|
| | | | 7305.20.2000 |
| | | | 7305.20.4000 |
| | | | 7306.20.1030 |
| | | | 7306.20.1090 |
| | | | 7306.20.2000 |
| | | | 7306.20.6010 |
| | | | 7306.20.6050 |
| 33121001F0 | Carbon steel, finished pipe and tubes, structurals..... | 7304.90.4000 | 7304.90.1000 |
| | | 7305.90.1000 | 7304.90.5000 |
| | | 7306.60.2500 | 7305.90.1000 |
| | | 7306.90.1000 | 7306.60.1000 |
| | | | 7306.60.5000 |
| | | | 7306.90.1000 |
| 3312100150 | Carbon steel, finished pipe and tubes (except line pipe, oil country goods, | | |
| 3312100160 | and structurals)..... | 7304.31.0000 | 7304.31.6010 |
| 33121001A0 | | 7304.39.0000 | 7304.31.6050 |
| 33121001B0 | | 7305.31.4000 | 7304.39.0002 |
| 33121001G0 | | 7305.39.1000 | 7304.39.0004 |
| | | 7306.30.1000 | 7304.39.0006 |
| | | 7306.30.1500 | 7304.39.0008 |
| | | | 7304.39.0016 |
| | | | 7304.39.0020 |
| | | | 7304.39.0024 |
| | | | 7304.39.0028 |
| | | | 7304.39.0032 |
| | | | 7304.39.0036 |
| | | | 7304.39.0040 |
| | | | 7304.39.0044 |
| | | | 7304.39.0048 |
| | | | 7304.39.0052 |
| | | | 7304.39.0056 |
| | | | 7304.39.0062 |
| | | | 7304.39.0068 |
| | | | 7304.39.0072 |
| | | | 7304.39.0076 |
| | | | 7304.39.0080 |
| | | | 7305.31.4000 |
| | | | 7305.39.1000 |
| | | | 7306.30.1000 |
| | | | 7306.30.5010 |
| | | | 7306.30.5015 |
| | | | 7306.30.5020 |
| | | | 7306.30.5025 |
| | | | 7306.30.5028 |
| | | | 7306.30.5032 |
| | | | 7306.30.5035 |
| | | | 7306.30.5040 |
| | | | 7306.30.5055 |
| | | | 7306.30.5085 |
| | | | 7306.30.5090 |
| 3312225110 | Carbon steel, finished plain, flat wire..... | (NA) | 7217.11.1000 |
| | | | 7217.11.2000 |
| | | | 7217.11.3000 |
| | | | 7217.21.1000 |
| | | | 7217.31.1000 |
| 3312225120 | Carbon steel, finished plain, round wire, thermally treated, under 1.5 mm in diameter..... | (NA) | 7217.11.5020 |
| | | | 7217.11.5040 |
| | | | 7217.21.3015 |
| | | | 7217.21.3030 |
| | | | 7217.31.3015 |
| | | | 7217.31.3030 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|--|--|
| 3312225130 | Carbon steel, finished plain, round wire, thermally treated, 1.5 mm or above in diameter..... | (NA) | 7217.11.7030 7217.21.3045 7217.31.3045 |
| 3312225140 | Carbon steel, finished plain, round wire, other than thermally treated, under 1.5 mm in diameter..... | (NA) | 7217.11.5060 7217.11.5080 7217.21.3060 7217.21.3075 7217.31.3060 7217.31.3075 |
| 3312225150 | Carbon steel, finished plain, round wire, other than thermally treated, 1.5 mm or above in diameter..... | (NA) | 7217.11.7090 7217.21.3090 7217.31.3090 |
| 3312225160 | Carbon steel, finished plain wire, n.e.c., including flat..... | (NA) | 7217.11.9000 7217.21.5000 7217.31.5000 |
| 3312225110 | Carbon steel, finished plain wire..... | 7217.10.1510 | (NA) |
| 3312225120 | | 7217.10.2510 | |
| 3312225130 | | 7217.10.7510 | |
| 3312225140 | | 7217.11.0000 | |
| 3312225150 | | 7217.21.0000 | |
| 3312225160 | | 7217.31.0000 | |
| 3312225170 | Carbon steel, finished round wire, plated or coated with zinc, under 1.5 mm in diameter..... | (NA) | 7217.12.3030 7217.12.3060 7217.22.1015 7217.22.1030 7217.32.1015 7217.32.1030 |
| 3312225180 | Carbon steel, finished round wire, plated or coated with zinc, 1.5 mm or above in diameter..... | (NA) | 7217.12.5000 7217.22.1050 7217.32.1050 |
| 3312225190 | Carbon steel, finished wire shapes, except round, plated or coated with zinc, including flat..... | (NA) | 7217.12.1000 7217.12.7000 7217.22.5000 7217.32.5000 |
| 3312225170 | Carbon steel, finished wire, plated or coated with zinc..... | 7217.12.0000 | (NA) |
| 3312225180 | | 7217.20.1010 | |
| 3312225190 | | 7217.20.5010 7217.20.9010 7217.22.0000 7217.32.0000 | |
| 33122251A0 | Carbon steel, finished wire, plated or coated, other than with zinc..... | 7217.13.0000 | 7217.13.1000 |
| 33122251B0 | | 7217.19.0000 | 7217.13.3030 |
| 33122251C0 | | 7217.23.0000 | 7217.13.5000 |
| | | 7217.29.0000 | 7217.13.7000 |
| | | 7217.30.1010 | 7217.19.1000 |
| | | 7217.30.5010 | 7217.19.5000 |
| | | 7217.30.9010 | 7217.23.1015 |
| | | 7217.33.0000 | 7217.23.1030 |
| | | 7217.39.0000 | 7217.23.1050 7217.23.5000 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|---|------------------|------------------|
| | | | 7217.29.1000 |
| | | | 7217.29.5000 |
| | | | 7217.33.1015 |
| | | | 7217.33.1030 |
| | | | 7217.33.1050 |
| | | | 7217.33.5000 |
| | | | 7217.39.1000 |
| | | | 7217.39.5000 |
| | | | 7247.13.3060 |
| 3312223120 | Carbon steel, finished wire nails and staples..... | 7317.00.9000 | 7317.00.5505 |
| | | | 7317.00.5510 |
| | | | 7317.00.5520 |
| | | | 7317.00.5530 |
| | | | 7317.00.5540 |
| | | | 7317.00.5550 |
| | | | 7317.00.5560 |
| | | | 7317.00.5570 |
| | | | 7317.00.5580 |
| | | | 7317.00.5590 |
| | | | 7317.00.6530 |
| | | | 7317.00.6560 |
| | | | 7317.00.7500 |
| 331222B110 | Carbon steel, finished barbed and twisted wire..... | 7313.00.0000 | 7313.00.0000 |
| 3312227110 | Carbon steel, finished wire fence (woven and welded) and woven wire | | |
| 3312229110 | netting..... | 7314.20.0000 | 7314.20.0000 |
| | | 7314.30.0000 | 7314.30.1000 |
| | | 7314.41.0000 | 7314.30.5000 |
| | | 7314.42.0000 | 7314.41.0030 |
| | | 7314.49.0000 | 7314.41.0060 |
| | | | 7314.42.0030 |
| | | | 7314.42.0060 |
| | | | 7314.49.3000 |
| | | | 7314.49.6000 |
| 331222B120 | Carbon steel, finished wire bale ties..... | (NA) | (NA) |
| 3312221110 | Carbon steel, finished wire rope and cable..... | 7312.10.8500 | 7312.10.7000 |
| | | | 7312.10.8000 |
| | | | 7312.10.9030 |
| | | | 7312.10.9060 |
| | | | 7312.10.9090 |
| 3312221230 | Carbon steel, finished wire strand for prestressed concrete..... | 7312.10.3015 | 7312.10.3010 |
| | | | 7312.10.3012 |
| 3312221240 | Carbon steel, finished wire strand (except for prestressed concrete)..... | (NA) | (NA) |
| 3311113120 | Alloy steel (except stainless) ingots..... | 7224.10.0000 | 7224.10.0005 |
| | | | 7224.10.0045 |
| | | | 7224.10.0075 |
| 3311113160 | Alloy steel (except stainless) semifinished blooms, billets, sheet bars, tube | | |
| 3311117150 | rounds, skelp and slabs..... | 7224.90.0000 | 7224.90.0005 |
| | | | 7224.90.0015 |
| | | | 7224.90.0025 |
| | | | 7224.90.0035 |
| | | | 7224.90.0045 |
| | | | 7224.90.0055 |
| | | | 7224.90.0065 |
| | | | 7224.90.0075 |
| 3311117150 | Alloy steel (except stainless) finished plates, both cut in lengths and in | | |
| 3311117160 | coils..... | (NA) | 7225.30.1000 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|---|---|------------------|
| | | | 7225.30.3005 |
| | | | 7225.30.3050 |
| | | | 7225.40.1015 |
| | | | 7225.40.1090 |
| | | | 7225.40.3005 |
| | | | 7225.40.3050 |
| | | | 7225.50.6000 |
| | | | 7226.91.5000 |
| 3311115170 | Alloy steel (except stainless) finished sheet and strip, hot and cold rolled, galvanized, hot dipped and other metallic coated, including electrolytic..... | (NA) | 7225.10.0000 |
| 3312211130 | | | 7225.20.0000 |
| 3311115180 | | | 7225.30.5030 |
| 3311115190 | | | 7225.30.5060 |
| | | | 7225.30.7000 |
| | | | 7225.40.5030 |
| | | | 7225.40.5060 |
| | | | 7225.40.5070 |
| | | | 7225.50.1030 |
| | | | 7225.50.1060 |
| | | | 7225.50.7000 |
| | | | 7225.50.8000 |
| | | | 7225.90.0000 |
| 33111151A0 | Alloy steel (except stainless) finished strip, hot rolled or cold finished..... | (NA) | 7226.10.1000 |
| 3312211140 | | | 7226.10.5030 |
| | | | 7226.10.5060 |
| | | | 7226.20.0000 |
| | | | 7226.91.0500 |
| | | | 7226.91.1530 |
| | | | 7226.91.1560 |
| | | | 7226.91.2530 |
| | | | 7226.91.2560 |
| | | | 7226.91.7000 |
| | | | 7226.91.8000 |
| | | | 7226.92.1030 |
| | | | 7226.92.1060 |
| | | | 7226.92.3030 |
| | | | 7226.92.3060 |
| | | | 7226.92.5000 |
| | | | 7226.92.7005 |
| | 7226.92.7050 | | |
| | 7226.92.8005 | | |
| | 7226.92.8050 | | |
| | 7226.99.0000 | | |
| 3311117150 | Alloy steel (except stainless) finished plate, sheet or strip, both hot and cold rolled or cold finished..... | 7225.10.0000 | (NA) |
| 3311117160 | | 7225.20.0000 | |
| 3311115170 | | 7225.30.0000 | |
| 3312211130 | | 7225.40.0000 | |
| 3311115180 | | 7225.50.0000 | |
| 3311115190 | | 7225.90.0000 | |
| 33111151A0 | | 7226.10.0000 | |
| 3312211140 | | 7226.20.0000 | |
| | | 7226.91.0000 | |
| | | 7226.92.2000 | |
| | | 7226.92.4000 | |
| | | 7226.99.0000 | |
| 33111131A0 | | Alloy steel (except stainless) semifinished wire rods, finished structural shapes (3 inches and under) and bars, hot rolled, including structural shapes under 3 inches, and cold finished..... | 7227.10.0000 |
| 3311117170 | 7227.20.0000 | | 7227.20.0000 |
| 33111171C0 | 7227.90.0000 | | 7227.90.1030 |
| 3312213120 | 7228.20.0000 | | 7227.90.1060 |
| | | | |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|------------------|------------------|
| | | 7228.30.8000 | 7227.90.2030 |
| | | 7228.40.0000 | 7227.90.2060 |
| | | 7228.50.5000 | 7227.90.6005 |
| | | 7228.60.5000 | 7227.90.6050 |
| | | 7228.70.0000 | 7228.20.1000 |
| | | 7228.80.0000 | 7228.20.5000 |
| | | | 7228.30.8005 |
| | | | 7228.30.8050 |
| | | | 7228.50.5005 |
| | | | 7228.50.5050 |
| | | | 7228.60.6000 |
| | | | 7228.60.8000 |
| | | | 7228.70.3020 |
| | | | 7228.70.3040 |
| | | | 7228.70.3060 |
| | | | 7228.70.3080 |
| | | | 7228.70.6000 |
| | | | 7228.80.0000 |
| 3311171F0 | Alloy steel (except stainless) finished tool steel, high speed..... | 7228.10.0000 | 7228.10.0010 |
| | | | 7228.10.0030 |
| | | | 7228.10.0060 |
| 3311171G0 | Alloy steel (except stainless) finished tool steel (except high speed)..... | 7228.30.5000 | 7228.30.2000 |
| | | 7228.50.1000 | 7228.30.4000 |
| | | 7228.60.1000 | 7228.30.6000 |
| | | | 7228.50.1010 |
| | | | 7228.50.1020 |
| | | | 7228.50.1040 |
| | | | 7228.50.1060 |
| | | | 7228.50.1080 |
| | | | 7228.60.1030 |
| | | | 7228.60.1060 |
| 3312100140 | Alloy steel (except stainless) finished oil country goods and line pipe..... | 7304.10.5020 | 7304.10.5020 |
| | | 7304.10.5050 | 7304.10.5050 |
| | | 7304.10.5080 | 7304.10.5080 |
| | | 7304.20.3500 | 7304.20.3010 |
| | | 7304.20.6000 | 7304.20.3020 |
| | | 7304.20.8000 | 7304.20.3030 |
| | | 7304.21.6000 | 7304.20.3040 |
| | | 7304.29.3055 | 7304.20.3050 |
| | | 7304.29.6000 | 7304.20.3060 |
| | | 7305.11.5000 | 7304.20.3080 |
| | | 7305.12.5000 | 7304.20.4010 |
| | | 7305.19.5000 | 7304.20.4020 |
| | | 7305.20.7000 | 7304.20.4030 |
| | | 7306.10.5000 | 7304.20.4040 |
| | | 7306.20.2500 | 7304.20.4050 |
| | | 7306.20.8000 | 7304.20.4060 |
| | | | 7304.20.4080 |
| | | | 7304.20.6015 |
| | | | 7304.20.6030 |
| | | | 7304.20.6045 |
| | | | 7304.20.6060 |
| | | | 7304.20.6075 |
| | | | 7304.20.8030 |
| | | | 7304.20.8045 |
| | | | 7304.20.8060 |
| | | | 7305.11.5000 |
| | | | 7305.12.5000 |
| | | | 7305.19.5000 |
| | | | 7305.20.6000 |
| | | | 7305.20.8000 |
| | | | 7306.10.5010 |
| | | | 7306.10.5050 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|------------------|------------------|
| | | | 7306.20.3000 |
| | | | 7306.20.4000 |
| | | | 7306.20.8010 |
| | | | 7306.20.8050 |
| 3312100170 | Alloy steel (except stainless) finished pressure tubing..... | (NA) | 7304.51.5015 |
| | | | 7304.51.5045 |
| | | | 7304.59.2030 |
| | | | 7304.59.2040 |
| | | | 7304.59.2045 |
| | | | 7304.59.2055 |
| | | | 7304.59.2060 |
| | | | 7304.59.2070 |
| | | | 7304.59.2080 |
| | | | 7306.50.5010 |
| 33121001C0 | Alloy steel, including stainless, finished pipe and tubes, n.e.c., including | | |
| 33121001H0 | mechanical, standard, and structural..... | (NA) | 7304.41.0045 |
| 33121001D0 | | | 7304.49.0060 |
| 33121001E0 | | | 7304.51.1000 |
| 33121001J0 | | | 7304.51.5060 |
| | | | 7304.59.1000 |
| | | | 7304.59.6000 |
| | | | 7304.59.8010 |
| | | | 7304.59.8015 |
| | | | 7304.59.8020 |
| | | | 7304.59.8025 |
| | | | 7304.59.8030 |
| | | | 7304.59.8035 |
| | | | 7304.59.8040 |
| | | | 7304.59.8045 |
| | | | 7304.59.8050 |
| | | | 7304.59.8055 |
| | | | 7304.59.8060 |
| | | | 7304.59.8065 |
| | | | 7304.59.8070 |
| | | | 7304.59.8080 |
| | | | 7304.90.3000 |
| | | | 7304.90.7000 |
| | | | 7305.31.6000 |
| | | | 7305.39.5000 |
| | | | 7305.90.5000 |
| | | | 7306.40.1000 |
| | | | 7306.40.1030 |
| | | | 7306.40.1090 |
| | | | 7306.40.5040 |
| | | | 7306.40.5045 |
| | | | 7306.40.5055 |
| | | | 7306.40.5060 |
| | | | 7306.40.5065 |
| | | | 7306.40.5075 |
| | | | 7306.40.5080 |
| | | | 7306.40.5090 |
| | | | 7306.50.1000 |
| | | | 7306.50.3000 |
| | | | 7306.50.5030 |
| | | | 7306.50.5050 |
| | | | 7306.50.5070 |
| | | | 7306.60.3000 |
| | | | 7306.60.7000 |
| 3312100180 | Stainless steel pressure tubing, seamless..... | (NA) | 7304.41.0015 |
| | | | 7304.49.0045 |
| 3312100190 | Stainless steel pressure tubing, welded..... | (NA) | 7306.40.5015 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|---|------------------|------------------|
| 3312100170 | Alloy steel, including stainless, pipe and tubes, n.e.c. | 7304.41.0000 | (NA) |
| 33121001C0 | | 7304.49.0010 | |
| 33121001H0 | | 7304.49.0040 | |
| 33121001D0 | | 7304.51.0000 | |
| 33121001E0 | | 7304.59.0000 | |
| 33121001J0 | | 7304.90.6000 | |
| 3312100180 | | 7305.31.6000 | |
| 3312100190 | | 7305.39.5000 | |
| | | 7305.90.5000 | |
| | | 7306.40.1000 | |
| | | 7306.40.5000 | |
| | | 7306.50.1000 | |
| | | 7306.50.4500 | |
| | | 7306.60.6500 | |
| | | 7306.90.5000 | |
| 33122251D0 | Alloy steel (except stainless) finished wire, plain or coated..... | 7229.10.0000 | 7229.10.0000 |
| | | 7229.20.0000 | 7229.20.0000 |
| | | 7229.90.0000 | 7229.90.1000 |
| | | | 7229.90.5015 |
| | | | 7229.90.5030 |
| | | | 7229.90.5050 |
| | | | 7229.90.9000 |
| 3311113130 | Stainless steel ingots..... | 7218.10.0000 | 7218.10.0000 |
| 3311113180 | Stainless steel, semifinished blooms, billets, slabs, sheet bars, tube rounds, and skelp..... | 7218.90.0000 | 7218.90.0005 |
| | | | 7218.90.0015 |
| | | | 7218.90.0025 |
| | | | 7218.90.0032 |
| | | | 7218.90.0038 |
| | | | 7218.90.0040 |
| | | | 7218.90.0050 |
| | | | 7218.90.0060 |
| | | | 7218.90.0075 |
| | | | 7218.90.0085 |
| | | | 7218.90.0095 |
| 33111131B0 | Stainless steel, semifinished wire rods and finished bars, hot rolled..... | 7221.00.0000 | 7221.00.0005 |
| 33111171D0 | | 7222.10.0000 | 7221.00.0015 |
| | | | 7221.00.0030 |
| | | | 7221.00.0045 |
| | | | 7221.00.0075 |
| | | | 7222.10.0005 |
| | | | 7222.10.0050 |
| 3311113180 | Stainless steel, finished plates and structurals..... | 7219.11.0000 | 7219.11.0000 |
| | | 7219.12.0000 | 7219.12.0005 |
| | | 7219.21.0000 | 7219.12.0015 |
| | | 7219.22.0000 | 7219.12.0045 |
| | | 7219.31.0000 | 7219.12.0075 |
| | | 7220.11.0000 | 7219.21.0005 |
| | | 7222.40.0000 | 7219.21.0050 |
| | | | 7219.22.0005 |
| | | | 7219.22.0050 |
| | | | 7219.31.0010 |
| | | | 7219.31.0050 |
| | | | 7220.11.0000 |
| | | | 7222.40.3020 |
| | | | 7222.40.3040 |
| | | | 7222.40.3060 |
| | | | 7222.40.3080 |
| | | | 7222.40.6000 |
| 33111151B0 | Stainless steel, finished sheet and strip, hot rolled..... | 7219.13.0000 | 7219.13.0030 |

Table 6. Comparison of North American Industry Classification-Based Product Codes with Schedule B Export Numbers, and HTSUSA Numbers: 1998

| Product code | Product description | Export number 1/ | Import number 2/ |
|--------------|--|------------------|------------------|
| | | 7219.14.0000 | 7219.13.0060 |
| | | 7219.23.0000 | 7219.14.0030 |
| | | 7219.24.0000 | 7219.14.0060 |
| | | 7220.12.0000 | 7219.23.0030 |
| | | | 7219.23.0060 |
| | | | 7219.24.0030 |
| | | | 7219.24.0060 |
| | | | 7220.12.1000 |
| | | | 7220.12.5000 |
| 3312211150 | Stainless steel, finished sheet and strip, cold rolled..... | 7219.32.0000 | 7219.32.0015 |
| | | 7219.33.0000 | 7219.32.0030 |
| | | 7219.34.0000 | 7219.32.0045 |
| | | 7219.35.0000 | 7219.32.0050 |
| | | 7219.90.0000 | 7219.32.0060 |
| | | 7220.20.0000 | 7219.33.0015 |
| | | 7220.90.0000 | 7219.33.0030 |
| | | | 7219.33.0045 |
| | | | 7219.33.0060 |
| | | | 7219.34.0010 |
| | | | 7219.34.0050 |
| | | | 7219.35.0010 |
| | | | 7219.35.0050 |
| | | | 7219.90.0000 |
| | | | 7220.20.1000 |
| | | | 7220.20.6005 |
| | | | 7220.20.6050 |
| | | | 7220.20.7005 |
| | | | 7220.20.7050 |
| | | | 7220.20.8000 |
| | | | 7220.20.9000 |
| | | | 7220.90.0000 |
| 3312213130 | Stainless steel, finished bars, cold finished..... | 7222.20.0000 | 7222.20.0005 |
| | | 7222.30.0000 | 7222.20.0045 |
| | | | 7222.20.0075 |
| | | | 7222.30.0000 |
| 33122251E0 | Stainless steel, finished round wire, under 0.75 mm in diameter..... | (NA) | 7223.00.1015 |
| | | | 7223.00.1030 |
| 33122251F0 | Stainless steel, finished round wire, 0.75 mm to under 1.5 mm..... | (NA) | 7223.00.1045 |
| 33122251G0 | Stainless steel, finished round wire, 1.5 mm and above..... | (NA) | 7223.00.1060 |
| | | | 7223.00.1075 |
| 33122251H0 | Stainless steel finished wire, n.e.c., including flat..... | (NA) | 7223.00.5000 |
| | | | 7223.00.9000 |
| 33122251E0 | Stainless steel finished wire..... | 7223.00.0000 | (NA) |
| 33122251F0 | | | |
| 33122251G0 | | | |
| 33122251H0 | | | |

NA Not available. n.e.c. Not elsewhere classified.

1/Source: 1999 edition, Harmonized system-based Schedule B, statistical classification of domestic and foreign commodities exported from the United States.

2/Source: Harmonized tariff schedule of the United States, annotated (1999).