

# **MONTHLY REPORT ON THE STATUS OF THE STEEL INDUSTRY**

Report to the Committee on  
Ways and Means on Investigation  
No. 332-226 Under Section 332  
of the Tariff Act of 1930

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United States International Trade Commission  
Washington, DC 20436



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## Monthly Review: Steel Product Quality

### Background

Several forces have acted simultaneously to bring about widespread efforts to improve product quality<sup>1</sup> within the domestic steel industry. A primary factor has been increasing competition within steel and steel-consuming industries, from both imports and foreign-owned companies located in the United States. In response, customers, especially those who purchase high value-added products, have tightened their specifications on the physical properties of steel (such as strength, formability, and hardness) and the tolerances on dimensions (such as width and thickness). Consuming industries are increasingly seeking specialized grades of steel tailored to the manufacture of specific parts and products, and demanding steel of consistently high quality to maintain high productivity in their operations, which can be adversely affected by defective steel. In certain major producing-countries, such as the United States and Japan, this growing specialization has spurred a trend away from the mass production of steel having standard chemistries and coatings toward the production of a wide variety of more technically exacting products for individual applications.

In the United States, the automotive industry (a major consumer of carbon and alloy flat-rolled steel) has been a leader among steel consumers in tightening the quality standards for more durable and corrosion-resistant steel. Pressure to improve product quality has resulted, for example, from Japanese automakers' demands for more sophisticated steel products to supply their manufacturing operations in the United States. According to an official of one Japanese company, demand is growing for products such as resin-sandwiched sheet,<sup>2</sup> and aluminized or zinc-aluminum coated sheet, but there is currently insufficient U.S. capacity to produce such products.<sup>3</sup> A number of the U.S.-Japanese joint venture operations, including I/N Tek (Inland Steel and Nippon Steel) and Armco Steel Co., L.P. (Armco Inc. and Kawasaki Steel), produce high-value, surface-treated sheet for use by the automotive industry. Steelmakers have apparently been successful in their efforts to satisfy automotive producers; for example, automakers' reject rate for steel coils has fallen to less than 1 percent from a decade-high level of 8 percent in 1982.<sup>4</sup>

### Current Status

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<sup>1</sup> The term quality has no specific definition and is often subjectively characterized. It may be broadly defined as the combination of attributes (or characteristics) that (a) make a product fit for further processing, and (b) ensure the final part performs in operation. The level of acceptable product quality varies among end users and is typically determined on the basis of product end use.

<sup>2</sup> Steel sheet combined with plastic layers, designed to dampen road noise in automobiles.

<sup>3</sup> "Japanese Seek Higher Quality U.S. Steel", Metal Bulletin, March 26, 1990.

<sup>4</sup> U.S. International Trade Commission, U.S. Global Competitiveness: Steel Sheet and Strip Industry, p. 12-27 (as reported by Ford Motor Co. purchasing department), January 1988; and "Revived Industry Looks Ahead," 33 Metal Producing, December 1989.

Efforts to satisfy automakers' and other customers' increasingly stringent demands have resulted in improvements in the U.S. industry's product quality. According to recent research by staff of the U.S. International Trade Commission, the progress has included closer interaction between customers and suppliers in developing and supplying steel that meets specific technical requirements, improved production machinery, and new efforts in process monitoring and control. Despite such improvements, domestic steel purchasers responding to Commission inquiries noted that Japan more consistently offers a higher quality product than does the United States, although for certain products (such as stainless flat-rolled), the U.S. industry's quality is regarded as comparable to that of Japan and other global producers. However, an examination solely of responses by automotive industry consumers reveals little difference in performance between U.S. and Japanese producers, suggesting that U.S. producers have focused their improvement efforts on their biggest customers.

The information with respect to the quality of steel supplied to customers corresponds to that developed by the Auto/Steel Partnership's Task Force on Uniformity of Materials Properties in an ongoing study that statistically measures and characterizes the current levels of variability in mechanical properties of steel sheet. Sheets from several North American producers as well as one West German and two Japanese producers were evaluated, beginning in 1988. One of the report's findings is that the Japanese electrogalvanized product exhibits a higher level of variability than Japan's current reputation would indicate. Moreover, certain steel parts sampled from North American sources exhibited excellent consistency and control, surpassing the best of the Japanese. In addition, the report found that the majority of the North American producers are generally competitive with offshore sources.<sup>5</sup>

### Outlook

Pressure to improve steel quality will continue, reflecting new needs for safety, environmental protection, and product diversity, and placing more demands on steelmakers for steel of lighter weight, greater durability, and higher performance. Competition from substitute materials, principally plastics (e.g., in automobiles) and advanced ceramics, has provided further impetus to steelmakers to produce higher quality steel products. As steel producers worldwide continue their cost-cutting efforts, and reduce the differences in their respective production costs, steel product quality will likely play an increasingly important role in determining their relative global competitive positions.

Nancy Fulcher  
252-1434

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<sup>5</sup> Task Force on Uniformity of Materials Properties, Auto/Steel Partnership Program, A Report on the Uniformity of Automotive Sheet Steels, May 1990, p. 1-1.

Monthly Review:  
Selected Industry and Trade Topics

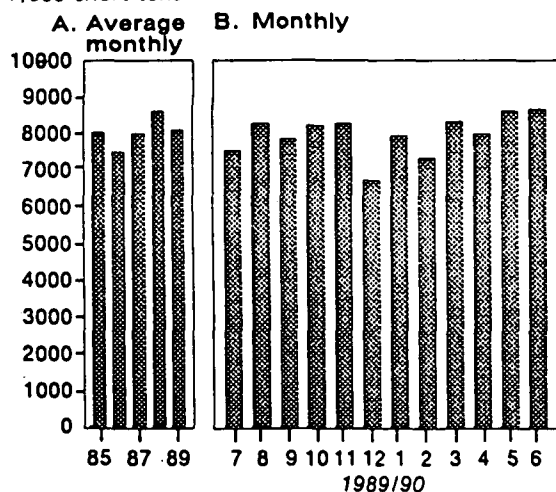
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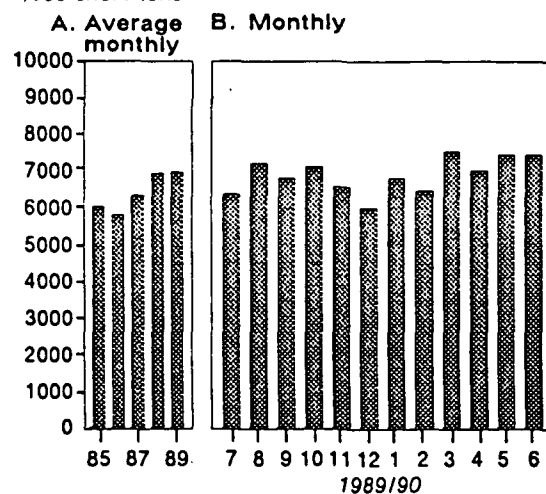
**Figure 1**

**U.S. apparent steel consumption**  
1,000 short tons



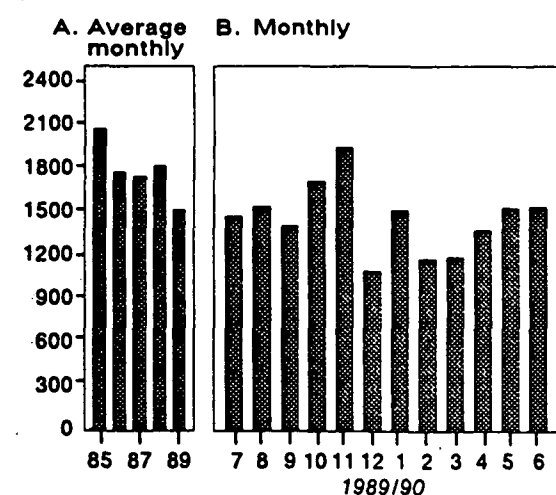
**Figure 2**

**U.S. steel shipments**  
1,000 short tons



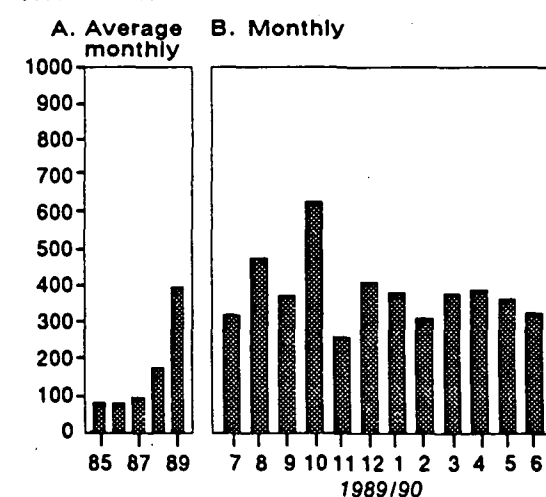
**Figure 3**

**U.S. steel imports**  
1,000 short tons



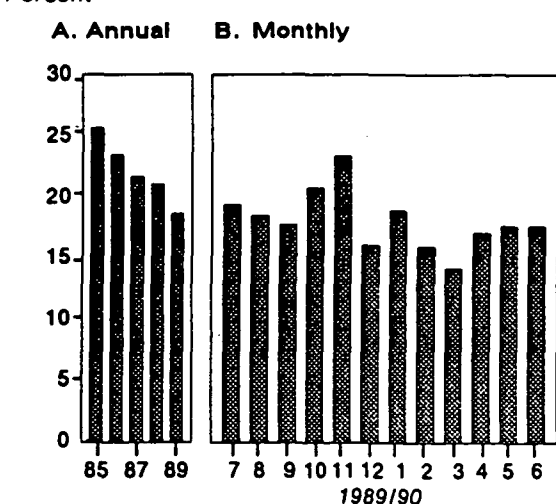
**Figure 4**

**U.S. steel exports**  
1,000 short tons



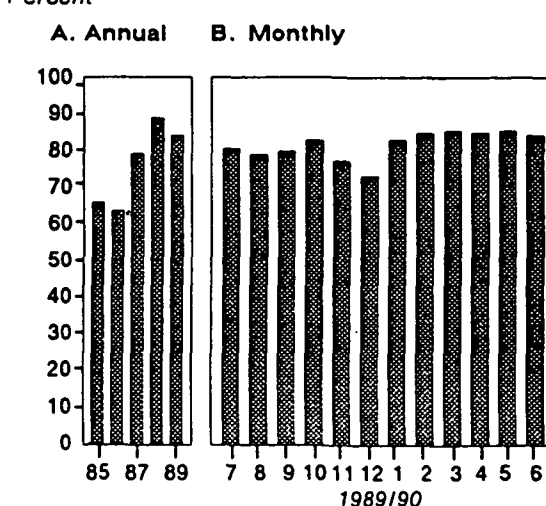
**Figure 5**

**U.S. steel import penetration<sup>1</sup>**  
Percent



**Figure 6**

**U.S. raw steel capacity utilization**  
Percent



<sup>1</sup> Import penetration is defined as the percent of apparent consumption represented by imports.

## Preface

On December 29, 1989, at the request of the Committee on Ways and Means, U.S. House of Representatives,<sup>1</sup> and in accordance with the provisions of section 332(g) of the Tariff Act of 1930 (19 U.S.C. 1332(g)), the United States International Trade Commission announced the continuation of investigation No. 332-226, Monthly Reports on the Status of the Steel Industry.<sup>2</sup> The purpose of the reports is to monitor developments in the steel industry through March 1992, which corresponds with the President's extension of the voluntary restraint arrangements (VRAs) with certain countries and regions which export steel to the United States. The original investigation was instituted by the Commission on April 9, 1986.

### Background of the VRAs

On September 18, 1984, the President determined, under section 202(b)(1) of the Trade Act of 1974, that taking "escape clause" action was not in the national economic interest (49 Federal Register 36813). The decision followed an investigation conducted by the Commission in which imports of certain steel products were found to be a substantial cause of serious injury, or threat thereof, to certain domestic industries (investigation No. TA-201-51).<sup>3</sup> Instead of taking action under the statute, the President established a nine-point policy to address the concerns of the industry. Under this policy, the President directed the United States Trade Representative to negotiate voluntary restraint arrangements (VRAs) to cover a five year period (from October 1, 1984 through September 30, 1989) with countries whose exports to the United States had increased significantly in previous years due to an unfair surge in imports. Although the structure of the arrangements varied from one country to another, each involved an agreement by the foreign government to limit exports of certain steel products to the United States; to bring the agreements into effect, U.S. producers withdrew pending unfair trade petitions and the U.S. Government suspended antidumping and countervailing duties that were in effect on steel products covered by the VRAs. The trade measures were expected to return the share of imports in the U.S. market to a more normal level of approximately 18.5 percent, excluding semifinished steel (which subsequent Administration statements indicated were limited to about 1.7 million tons per year).

### Specialty steel

On July 19, 1983, the President announced his decision to grant import relief to the specialty steel industry for a period of 4 years (53

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<sup>1</sup>See appendix A for a copy of the request.

<sup>2</sup>See appendix B for the notice of continuation.

<sup>3</sup>Affirmative decisions were rendered in the case of semifinished steel, plates, sheets and strip, wire and wire products, and structural shapes and units. Negative determinations were rendered in the case of wire rod, railway type products, bars, and pipes and tubes.

Federal Register 52897). The relief was scheduled to expire on July 19, 1987. Under the relief, quotas were placed on imports of stainless steel bars, stainless steel wire rods, and certain alloy tool steel products; increased duties were imposed on stainless steel plates and stainless steel sheets and strip. On July 16, 1987, the President announced his decision to extend the import relief in the form then in effect for a period from July 20, 1987 through September 30, 1989. Under the steel VRAs, in return for their agreement to limit exports of stainless steel plates and sheets and strip, the VRA countries were exempted from having to pay additional duties (with the exception of Finland, whose VRA does not include stainless steel flat-rolled products). Quotas were unaffected by the VRAs for all countries except the EC-10, which negotiated limits on rods, bars, and alloy tool steel as part of its VRA; Brazil, whose VRA includes the specialty steel products subject to quotas; and Austria, which included alloy tool steel in its VRA.

#### Extension of the VRAs

On July 25, 1989, the President announced a Steel Trade Liberalization Program, under which the VRAs were extended for two and one-half years, terminating on March 31, 1992. The President directed the U.S. Trade Representative to negotiate VRAs at an overall restraint level of 18.4 percent (which is the same as the 1988 VRA import penetration level). In order to provide incentives for countries to eliminate trade-distorting practices and in order to respond to concerns of steel consumers for adequate supplies of raw materials, the President authorized up to an additional one percent import penetration annually that would be available to countries that entered into bilateral consensus agreements.<sup>4</sup>

On December 12, 1989, the U.S. Trade Representative announced that negotiations had been completed with the European Community and the 16 other countries that previously had VRAs.<sup>5</sup> As a result of the negotiations, the restraint levels for steel mill products (including semifinished steel) increased to a 19.1 percent share of domestic consumption in the first period of the new VRA program (table A). Additional increases in restraint levels have been authorized for subsequent years for countries that have entered into bilateral consensus agreements.<sup>6</sup> Product coverage under the VRAs remains essentially unchanged though the agreements have been modified to include those specialty steel products that were previously subject to relief under section 203 of the Trade Act of 1974.

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<sup>4</sup>Negotiations for bilateral agreements were conducted in order to restrict trade-distorting practices, and to address the causes rather than the symptoms affecting world trade in steel.

<sup>5</sup>South Africa is the only country with which the United States did not renew the VRA.

<sup>6</sup>Countries or regions with which the U.S. has negotiated bilateral agreements are the EC, Japan, South Korea, Brazil, Mexico, Australia, and Trinidad and Tobago. Although bilateral agreements have been reached with Austria, Finland and Yugoslavia, there has been no announcement of additional market share increases for those countries.

Table A  
Overall ceiling levels under initial and extended voluntary restraint arrangements

| Country                  | VRA I | First<br>Period 1/ | Second<br>Period 1/ | Third<br>Period 1/ |
|--------------------------|-------|--------------------|---------------------|--------------------|
|                          |       | Percent            |                     |                    |
| Australia 2/-----        | 0.26  | 0.39               | 0.49                | 0.59               |
| Austria-----             | 0.24  | 0.25               | 0.25                | 0.25               |
| Brazil 2/-----           | 1.35  | 1.80               | 2.10                | 2.10               |
| Czechoslovakia-----      | 0.04  | 0.04               | 0.04                | 0.04               |
| EC 2/-----               | 6.94  | 7.00               | 7.00                | 7.00               |
| Finland-----             | 0.24  | 0.25               | 0.25                | 0.25               |
| East Germany-----        | 0.11  | 0.10               | 0.10                | 0.10               |
| Hungary-----             | 0.03  | 0.05               | 0.05                | 0.05               |
| Japan 2/-----            | 6.19  | 5.00               | 5.30                | 5.30               |
| South Korea 2/-----      | 1.92  | 2.45               | 2.62                | 2.62               |
| Mexico 2/-----           | 0.49  | 0.95               | 1.10                | 1.10               |
| PRC-----                 | 0.08  | 0.08               | 0.09                | 0.09               |
| Poland-----              | 0.09  | 0.13               | 0.13                | 0.13               |
| Romania-----             | 0.11  | 0.11               | 0.11                | 0.11               |
| Trinidad and Tobago 2/-- | 0.04  | 0.12               | 0.13                | 0.15               |
| Venezuela-----           | 0.21  | 0.33               | 0.33                | 0.33               |
| Yugoslavia-----          | 0.02  | 0.05               | 0.05                | 0.05               |
| Total-----               | 18.36 | 19.10              | 20.14               | 20.26              |

<sup>1</sup> Numbers are approximate because some VRAs were negotiated for two 15-month periods, and others were negotiated for other combinations totaling 30 months. Market shares are based on 1989 apparent consumption.

<sup>2</sup> Includes allocation of bonus percentage (see Preface for explanation). Amount of allocation not specified.

Source: USTR press release, December 12, 1989.

Structure of the Report

- o The Monthly Review section provides perspective on imports and trade by highlighting specific products, countries, or customs areas. The inclusion of such insights, which may not be readily apparent from the report's tabulated data, are intended to focus attention on important events in the steel industry. A chronological listing of Monthly Review topics immediately follows each month's review.
- o Table 1 provides data on key items, including raw steel production, capability utilization, employment, wages, shipments, trade, and financial performance.
- o Tables 2-6 provide data on shipments, imports, exports, apparent consumption, and imports as a percent of apparent consumption by major product for all grades of steel, plus carbon and specialty products separately.
- o Table 7 provides quantity and value data on imports of total steel mill products and certain fabricated products. The EC and each VRA country are specified, as are the top 10 non-VRA suppliers. The table can be used to measure the extent to which penetration is approaching the levels anticipated under the President's steel policy.
- o Table 8 provides data on the quantity of steel other than semifinished steel, which is being imported from the EC, each VRA country, and the top non-VRA suppliers, and the market penetration of each country.
- o Table 9 provides data on the quantity of semifinished steel imported from the EC, each VRA country, and the top non-VRA suppliers, and presents the 1989 semifinished unadjusted export ceilings of each VRA country.
- o Tables 10-29 provide data on the quantity and value of major carbon and specialty steel imports on a product-by-product basis. The EC, each VRA country, and the top non-VRA suppliers are specified.
- o Table 30 provides data on the unit values of selected imports of carbon and specialty steel products.
- o Table 31 provides data on imports of selected carbon and specialty steel products. The table also provides information which permits an examination of the extent to which shifts in product mix within major product categories is occurring.
- o Tables 32-37 provide data on imports of steel mill products and certain fabricated products, by U.S. customs area.

## Notes on Product Coverage and Methodology

Data on foreign trade and domestic shipments are compiled from official statistics of the U.S. Department of Commerce and from statistics of the American Iron and Steel Institute (AISI), respectively.

The products for which foreign trade data are collected generally correspond to those covered by the VRAs. Since the VRAs include certain fabricated products (defined as wire strand, wire ropes, cables, cordage and fabricated structural units), the data may exceed that compiled by other organizations such as the AISI. The additional tonnage, however, is relatively small. In 1989, AISI reported imports of 17.3 million tons, which compares to the 18.2 million tons indicated in this report. The product categories most affected are structural shapes and units (which includes fabricated structurals in this report) and wire and wire products (which includes wire rope and wire strand).

The EC VRA now includes Portugal and Spain, which are no longer subject to separate VRAs.

In table 30, unit values are calculated using unrounded data. Import values are customs value, i.e., the data do not include insurance and freight charges from the country of origin to the United States.

Trade data include imports under sections 9802.0060 and 9802.0080 of the Harmonized Tariff Schedule and sections 806.30 and 807.00 of the Tariff Schedule of the United States. These provisions apply to U.S. merchandise which is exported, processed, and reimported into the United States.

For the purposes of statistical continuity, South Africa continues to be listed as a VRA country.

As of the February 1990 report, the source for the data on employment levels in Table 1 was changed from the American Iron and Steel Institute (AISI) to the U.S. Department of Labor, Bureau of Labor Statistics (BLS). AISI employment figures cover reporting companies only; these companies represent a declining share of total raw steel production. The BLS data cover the entire steel industry, as defined by Standard Industrial Code 331, which includes the electrometallurgical products (or ferroalloy) industry. In the past, this industry, which is not generally defined as part of the steel industry, has represented less than three percent of total employment levels reporting under this SIC.

Beginning with the February 1990 report, data on tool steel imports were revised so as to exclude bearing steel products; the revisions affect data going back to January 1989. The revised data, which are consistent with industry practice and reports prior to 1989, treat bearing steel as an alloy steel and categorize it according to its end form--either plate, sheet and strip, or rod. Unlike data on imports and shipments, available data on tool steel exports include some bearing steel products. As a result, apparent consumption calculations (see table 5) are slightly understated in the case of

tool steel, and slightly overstated in the case of plate, sheet and strip, and rod. The ITC staff estimates, however, that the degree of understatement/overstatement is minor, as exports of bearing steel products are believed to be relatively low.

The continuity of certain trade data was affected by the implementation of the HTS due to changes in the metallurgical specifications of alloy steel and two important subsets of alloy steel: stainless steel and tool steel. In the case of alloy steel and tool steel, definitions have been broadened in some areas and narrowed in others, making it difficult to determine the net impact on trade figures. In the case of stainless steel, the definition has been broadened. Under the TSUS stainless steel was defined as any alloy steel which contained, by weight, less than 1 percent of carbon and over 11.5 percent of chromium; the HTS defines stainless steel as alloy steels containing, by weight, 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

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Table 1

Steel: U.S. raw steel production, capability utilization, employment, wages, shipments, imports, exports, apparent consumption, net sales, 1985-89 and specified periods, 1989 and 1990

| Item                                                 | 1985    | 1986    | 1987   | 1988    | 1989   | January-June |                  |
|------------------------------------------------------|---------|---------|--------|---------|--------|--------------|------------------|
|                                                      |         |         |        |         |        | 1989         | 1990             |
| Raw steel:                                           |         |         |        |         |        |              |                  |
| Production (1,000 short tons)...                     | 88,259  | 81,606  | 89,151 | 99,924  | 97,943 | 51,295       | 49,281           |
| Capability utilization                               |         |         |        |         |        |              |                  |
| (percent).....                                       | 66.1    | 63.8    | 79.5   | 89.2    | 84.5   | 89.2         | 84.9             |
| Continuously cast (percent).....                     | 44.4    | 55.2    | 59.8   | 61.3    | 64.8   | 62.8         | 66.4             |
| Employment:                                          |         |         |        |         |        |              |                  |
| Total (thousands) <sup>1</sup> .....                 | 302.6   | 273.5   | 268.4  | 277.2   | 274.3  | 277.4        | ( <sup>2</sup> ) |
| Production workers                                   |         |         |        |         |        |              |                  |
| (thousands) <sup>1</sup> .....                       | 231.5   | 208.8   | 202.9  | 214.6   | 211.6  | 213.7        | ( <sup>2</sup> ) |
| Hourly employment cost <sup>3</sup>                  |         |         |        |         |        |              |                  |
| (dollars).....                                       | 22.81   | 23.24   | 23.71  | 24.65   | 24.63  | 24.62        | 25.61            |
| Steel:                                               |         |         |        |         |        |              |                  |
| Shipments (1,000 short tons)....                     | 73,043  | 70,263  | 76,654 | 83,840  | 84,100 | 43,126       | 42,985           |
| Imports (1,000 short tons).....                      | 24,885  | 21,289  | 20,938 | 21,869  | 18,219 | 9,140        | 8,326            |
| Exports (1,000 short tons).....                      | 992     | 980     | 1,176  | 2,152   | 4,778  | 2,000        | 2,166            |
| Apparent consumption (1,000 short tons).....         | 96,936  | 90,572  | 96,416 | 103,558 | 97,541 | 50,266       | 49,145           |
| Ratio of imports to consumption                      |         |         |        |         |        |              |                  |
| (percent).....                                       | 25.7    | 23.5    | 21.7   | 21.1    | 18.7   | 18.2         | 16.9             |
| Steel operations:                                    |         |         |        |         |        |              |                  |
| Net steel sales (million dollars).....               | 28,272  | 24,875  | 26,933 | 32,466  | 31,969 | 48,249       | 48,143           |
| Net steel income <sup>5</sup> (million dollars)..... | (1,834) | (4,150) | 1,077  | (567)   | 1,478  | 4663         | 4314             |
| Ratio of income to net sales                         |         |         |        |         |        |              |                  |
| (percent).....                                       | (6.5)   | (16.7)  | 4      | (1.7)   | 4.6    | 48.0         | 43.9             |

<sup>1</sup>These figures represent employment in Standard Industrial Code (SIC) 331. (See Notes for explanation).

<sup>2</sup>Not available.

<sup>3</sup>Total employment costs (including benefits) of employees receiving wages.

<sup>4</sup>Figures are for first quarter only, and are based on reporting companies representing 70.3 percent of total raw steel production and 66.4 percent of total steel shipments.

<sup>5</sup>Quarterly data are for operating (not net) income.

Source: Compiled from data of the American Iron & Steel Institute and official statistics of the U.S. Department of Commerce and the U.S. Department of Labor (Bureau of Labor Statistics).

Table 2.--Steel mill products and certain fabricated steel products: U.S. producers shipments, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                        | 1985              | 1986              | 1987              | 1988              | 1989              | January-June      |                   |
|---------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                                             |                   |                   |                   |                   |                   | 1989              | 1990              |
| <b>All grades of steel:</b>                 |                   |                   |                   |                   |                   |                   |                   |
| Semifinished-----                           | 1,374,524         | 1,485,249         | 1,593,216         | 1,927,658         | 1,850,245         | 965,365           | 985,713           |
| Plate-----                                  | 4,327,347         | 3,564,806         | 4,047,919         | 7,327,887         | 7,293,115         | 3,521,348         | 4,086,413         |
| Sheet and strip-----                        | 40,850,298        | 40,493,141        | 43,288,266        | 44,707,915        | 45,376,975        | 23,522,990        | 22,070,644        |
| Bars & certain shapes 1/-----               | 12,667,539        | 12,171,142        | 13,575,114        | 14,488,773        | 14,510,007        | 7,289,816         | 7,695,175         |
| Wire rod-----                               | 2,961,769         | 3,463,827         | 3,840,494         | 4,048,230         | 4,229,889         | 2,109,912         | 2,146,325         |
| Wire-----                                   | 874,135           | 802,259           | 800,063           | 1,072,698         | 1,005,407         | 539,390           | 505,864           |
| Wire products-----                          | 262,268           | 278,068           | 304,761           | 3/                | 3/                | 3/                | 3/                |
| Structural shapes & units-----              | 4,698,305         | 4,527,632         | 5,119,714         | 5,208,754         | 5,438,404         | 2,784,177         | 2,897,486         |
| Rails & related products-----               | 931,313           | 640,197           | 514,647           | 615,303           | 544,771           | 361,947           | 255,986           |
| Pipe and tube-----                          | 4,095,825         | 2,836,458         | 3,569,647         | 4,443,251         | 4,010,591         | 2,006,807         | 2,341,667         |
| <b>Total-----</b>                           | <b>73,043,323</b> | <b>70,262,779</b> | <b>76,653,841</b> | <b>83,840,469</b> | <b>84,259,404</b> | <b>43,125,871</b> | <b>42,985,273</b> |
| <b>Carbon &amp; certain alloy 2/ steel:</b> |                   |                   |                   |                   |                   |                   |                   |
| Semifinished-----                           | 1,327,766         | 1,435,662         | 1,516,152         | 1,851,197         | 1,753,249         | 923,921           | 926,996           |
| Plate-----                                  | 4,185,883         | 3,448,947         | 3,888,838         | 7,145,009         | 7,123,691         | 3,430,295         | 3,978,443         |
| Sheet and strip-----                        | 40,018,167        | 39,693,739        | 42,347,623        | 43,663,695        | 44,419,414        | 23,003,969        | 21,582,216        |
| Bars & certain shapes-----                  | 12,478,002        | 11,996,343        | 13,391,238        | 14,284,744        | 14,304,189        | 7,184,888         | 7,592,391         |
| Wire rod-----                               | 2,931,897         | 3,427,428         | 3,792,740         | 3,990,472         | 4,193,118         | 2,089,671         | 2,128,518         |
| Wire-----                                   | 851,841           | 777,604           | 773,329           | 1,043,112         | 980,707           | 525,028           | 493,941           |
| Wire products-----                          | 262,268           | 278,068           | 304,761           | 3/                | 3/                | 3/                | 3/                |
| Structural shapes & units-----              | 4,698,305         | 4,527,632         | 5,119,714         | 5,208,754         | 5,438,404         | 2,784,177         | 2,897,486         |
| Rails & related products-----               | 931,313           | 640,197           | 514,647           | 615,303           | 544,771           | 361,947           | 255,986           |
| Pipe and tube-----                          | 4,046,771         | 2,794,218         | 3,527,867         | 4,387,761         | 3,962,470         | 1,980,458         | 2,318,774         |
| <b>Total-----</b>                           | <b>71,732,213</b> | <b>69,019,838</b> | <b>75,176,909</b> | <b>82,190,047</b> | <b>82,720,013</b> | <b>42,308,473</b> | <b>42,174,751</b> |
| <b>Stainless &amp; alloy tool steel:</b>    |                   |                   |                   |                   |                   |                   |                   |
| <b>Stainless steel:</b>                     |                   |                   |                   |                   |                   |                   |                   |
| Semifinished-----                           | 46,758            | 49,587            | 77,064            | 76,461            | 96,996            | 41,444            | 58,717            |
| Plate-----                                  | 141,464           | 115,859           | 159,081           | 182,878           | 169,424           | 91,053            | 107,970           |
| Sheet and strip-----                        | 832,131           | 799,402           | 940,643           | 1,044,220         | 957,561           | 519,021           | 488,428           |
| Bars & certain shapes-----                  | 129,267           | 119,024           | 125,441           | 139,752           | 138,618           | 71,155            | 73,993            |
| Wire rod-----                               | 29,872            | 36,399            | 47,754            | 57,758            | 36,771            | 20,241            | 17,807            |
| Wire-----                                   | 22,294            | 24,655            | 26,734            | 29,586            | 24,700            | 14,362            | 11,923            |
| Pipe and tube-----                          | 49,054            | 42,240            | 41,780            | 55,490            | 48,121            | 26,349            | 22,893            |
| Tool steel (all forms)-----                 | 60,270            | 55,775            | 58,435            | 64,277            | 67,200            | 33,773            | 28,791            |
| <b>Total-----</b>                           | <b>1,311,110</b>  | <b>1,242,941</b>  | <b>1,476,932</b>  | <b>1,650,422</b>  | <b>1,539,391</b>  | <b>817,398</b>    | <b>810,522</b>    |

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute.

Table 3.--Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                | 1985       | 1986       | 1987       | 1988       | 1989       | January-June |           |
|-------------------------------------|------------|------------|------------|------------|------------|--------------|-----------|
|                                     |            |            |            |            |            | 1989         | 1990      |
| All grades of steel:                |            |            |            |            |            |              |           |
| Semifinished-----                   | 2,440,368  | 2,084,322  | 2,288,995  | 2,844,979  | 2,197,811  | 1,110,017    | 1,089,773 |
| Plate-----                          | 1,772,309  | 1,456,790  | 1,566,694  | 1,872,937  | 1,437,109  | 699,902      | 646,488   |
| Sheet and strip-----                | 9,046,089  | 8,278,604  | 7,875,891  | 7,303,964  | 6,443,362  | 3,080,829    | 2,897,574 |
| Bars & certain shapes 1/-----       | 1,550,559  | 1,476,368  | 1,359,758  | 1,445,932  | 1,356,035  | 751,663      | 515,742   |
| Wire rod-----                       | 1,476,145  | 1,362,753  | 1,467,030  | 1,493,833  | 1,150,116  | 559,837      | 559,395   |
| Wire-----                           | 612,485    | 582,022    | 555,981    | 540,380    | 494,303    | 266,830      | 238,658   |
| Wire products-----                  | 674,960    | 636,591    | 649,377    | 572,451    | 703,602    | 342,435      | 375,478   |
| Structural shapes & units-----      | 2,440,403  | 2,179,657  | 2,153,669  | 2,188,467  | 1,640,361  | 974,768      | 525,935   |
| Rails & related products-----       | 382,046    | 275,710    | 245,988    | 319,432    | 322,985    | 173,893      | 146,179   |
| Pipe and tube-----                  | 4,489,287  | 2,956,303  | 2,775,091  | 3,286,690  | 2,472,802  | 1,180,133    | 1,330,293 |
| Total-----                          | 24,884,651 | 21,289,120 | 20,938,474 | 21,869,065 | 18,218,486 | 9,140,307    | 8,325,515 |
| Carbon & certain alloy 2/<br>steel: |            |            |            |            |            |              |           |
| Semifinished-----                   | 2,430,078  | 2,066,700  | 2,232,270  | 2,782,572  | 2,135,690  | 1,070,013    | 1,056,732 |
| Plate-----                          | 1,760,812  | 1,440,375  | 1,555,577  | 1,857,090  | 1,419,396  | 690,315      | 636,703   |
| Sheet and strip-----                | 8,910,469  | 8,127,033  | 7,746,596  | 7,185,380  | 6,302,844  | 3,015,479    | 2,827,082 |
| Bars & certain shapes-----          | 1,475,447  | 1,393,731  | 1,281,168  | 1,361,113  | 1,264,305  | 707,308      | 475,888   |
| Wire rod-----                       | 1,456,078  | 1,344,256  | 1,448,720  | 1,474,623  | 1,128,417  | 548,669      | 547,334   |
| Wire-----                           | 590,317    | 564,481    | 536,897    | 519,727    | 472,984    | 254,859      | 229,413   |
| Wire products-----                  | 674,960    | 636,591    | 649,377    | 572,451    | 703,602    | 342,435      | 375,478   |
| Structural shapes & units-----      | 2,440,403  | 2,179,657  | 2,153,669  | 2,188,467  | 1,640,361  | 974,768      | 525,935   |
| Rails & related products-----       | 382,046    | 275,710    | 245,988    | 319,432    | 322,985    | 173,893      | 146,179   |
| Pipe and tube-----                  | 4,457,277  | 2,923,029  | 2,748,644  | 3,249,937  | 2,435,544  | 1,159,398    | 1,306,431 |
| Total-----                          | 24,577,887 | 20,951,563 | 20,598,906 | 21,510,792 | 17,826,128 | 8,937,137    | 8,127,175 |
| Stainless & alloy tool<br>steel:    |            |            |            |            |            |              |           |
| Stainless steel:                    |            |            |            |            |            |              |           |
| Semifinished-----                   | 10,290     | 17,622     | 56,725     | 62,407     | 62,121     | 40,004       | 33,040    |
| Plate-----                          | 11,497     | 16,415     | 11,118     | 15,847     | 17,713     | 9,587        | 9,785     |
| Sheet and strip-----                | 135,620    | 151,571    | 129,295    | 118,584    | 140,519    | 65,350       | 70,493    |
| Bars & certain shapes-----          | 37,970     | 37,888     | 37,991     | 40,724     | 43,417     | 19,383       | 20,118    |
| Wire rod-----                       | 20,067     | 18,496     | 18,311     | 19,210     | 21,698     | 11,167       | 12,061    |
| Wire-----                           | 22,169     | 17,541     | 19,084     | 20,653     | 21,319     | 11,972       | 9,245     |
| Pipe and tube-----                  | 32,009     | 33,274     | 26,448     | 36,752     | 37,258     | 20,735       | 23,862    |
| Tool steel (all forms)-----         | 37,142     | 44,749     | 40,599     | 44,095     | 48,313     | 24,972       | 19,736    |
| Total-----                          | 306,764    | 337,556    | 339,571    | 358,272    | 392,358    | 203,170      | 198,340   |

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 4.--Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                | 1985    | 1986    | 1987      | 1988      | 1989      | January-June |           |
|-------------------------------------|---------|---------|-----------|-----------|-----------|--------------|-----------|
|                                     |         |         |           |           |           | 1989         | 1990      |
| All grades of steel:                |         |         |           |           |           |              |           |
| Semifinished-----                   | 89,708  | 58,885  | 73,543    | 61,430    | 390,812   | 68,991       | 351,837   |
| Plate-----                          | 82,988  | 69,565  | 96,538    | 119,393   | 630,689   | 363,197      | 157,040   |
| Sheet and strip-----                | 375,396 | 507,420 | 556,991   | 1,374,056 | 2,521,649 | 1,021,387    | 933,217   |
| Bars & certain shapes 1/--          | 99,096  | 81,224  | 121,869   | 141,461   | 258,640   | 103,140      | 169,888   |
| Wire rod-----                       | 4,740   | 5,876   | 8,217     | 10,161    | 36,093    | 14,626       | 28,686    |
| Wire-----                           | 19,146  | 26,760  | 26,669    | 36,668    | 31,344    | 14,487       | 26,055    |
| Wire products-----                  | 19,253  | 24,731  | 23,257    | 27,847    | 32,160    | 12,305       | 20,248    |
| Structural shapes & units--         | 89,031  | 71,525  | 101,373   | 111,614   | 260,750   | 117,985      | 236,242   |
| Rails & related products--          | 13,430  | 13,131  | 15,755    | 18,855    | 86,464    | 37,650       | 35,214    |
| Pipe and tube-----                  | 199,258 | 121,050 | 152,155   | 250,390   | 442,992   | 246,494      | 207,540   |
| Total-----                          | 992,046 | 980,167 | 1,176,367 | 2,151,875 | 4,691,593 | 2,000,262    | 2,165,967 |
| Carbon & certain alloy 2/<br>steel: |         |         |           |           |           |              |           |
| Semifinished-----                   | 82,650  | 57,932  | 71,362    | 58,598    | 376,984   | 64,137       | 348,739   |
| Plate-----                          | 74,957  | 66,042  | 92,057    | 107,546   | 623,412   | 358,373      | 151,312   |
| Sheet and strip-----                | 349,620 | 477,803 | 501,010   | 1,328,485 | 2,475,995 | 994,325      | 905,079   |
| Bars & certain shapes-----          | 89,241  | 72,134  | 111,619   | 124,911   | 223,749   | 82,483       | 159,372   |
| Wire rod-----                       | 3,716   | 5,049   | 6,889     | 8,676     | 30,588    | 12,419       | 25,273    |
| Wire-----                           | 17,182  | 24,033  | 22,863    | 32,209    | 28,730    | 13,139       | 24,592    |
| Wire products-----                  | 19,253  | 24,731  | 23,257    | 27,847    | 32,160    | 12,305       | 20,248    |
| Structural shapes & units--         | 89,031  | 71,525  | 101,373   | 111,614   | 260,750   | 117,985      | 236,242   |
| Rails & related products--          | 13,430  | 13,131  | 15,755    | 18,855    | 86,464    | 37,650       | 35,214    |
| Pipe and tube-----                  | 193,309 | 118,010 | 143,405   | 244,192   | 434,925   | 242,308      | 199,900   |
| Total-----                          | 932,389 | 930,390 | 1,089,590 | 2,062,933 | 4,573,757 | 1,935,124    | 2,105,971 |
| Stainless & alloy tool<br>steel:    |         |         |           |           |           |              |           |
| Stainless steel:                    |         |         |           |           |           |              |           |
| Semifinished-----                   | 7,058   | 953     | 2,181     | 2,833     | 13,829    | 4,854        | 3,098     |
| Plate-----                          | 8,031   | 3,523   | 4,481     | 11,847    | 7,277     | 4,824        | 5,728     |
| Sheet and strip-----                | 25,776  | 29,617  | 55,981    | 45,571    | 45,653    | 27,062       | 28,138    |
| Bars & certain shapes-----          | 7,762   | 6,946   | 7,189     | 12,047    | 16,399    | 8,427        | 8,053     |
| Wire rod-----                       | 1,024   | 828     | 1,328     | 1,486     | 5,505     | 2,207        | 3,413     |
| Wire-----                           | 1,964   | 2,728   | 3,806     | 4,459     | 2,614     | 1,348        | 1,462     |
| Pipe and tube-----                  | 5,948   | 3,040   | 8,751     | 6,198     | 8,067     | 4,186        | 7,640     |
| Tool steel (all forms)-----         | 2,094   | 2,144   | 3,061     | 4,502     | 18,492    | 12,230       | 2,464     |
| Total-----                          | 59,657  | 49,779  | 86,778    | 88,943    | 117,836   | 65,138       | 59,996    |

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 5.--Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1985-1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                        | 1985              | 1986              | 1987              | 1988               | 1989              | January-June      |                   |
|---------------------------------------------|-------------------|-------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
|                                             |                   |                   |                   |                    |                   | 1989              | 1990              |
| <b>All grades of steel:</b>                 |                   |                   |                   |                    |                   |                   |                   |
| Semifinished-----                           | 3,725,184         | 3,510,686         | 3,808,668         | 4,711,207          | 3,657,244         | 2,006,391         | 1,723,649         |
| Plate-----                                  | 6,016,668         | 4,952,031         | 5,518,075         | 9,081,431          | 8,099,535         | 3,858,053         | 4,575,861         |
| Sheet and strip-----                        | 49,520,991        | 48,264,325        | 50,607,166        | 50,637,823         | 49,298,688        | 25,582,432        | 24,035,001        |
| Bars & certain shapes 1/-----               | 14,119,002        | 13,566,286        | 14,813,003        | 15,793,244         | 15,607,402        | 7,938,339         | 8,041,029         |
| Wire rod-----                               | 4,433,174         | 4,820,704         | 5,299,307         | 5,531,902          | 5,343,912         | 2,655,123         | 2,677,034         |
| Wire-----                                   | 1,467,474         | 1,357,521         | 1,329,375         | 2,121,014          | 2,139,808         | 1,145,982         | 1,073,697         |
| Wire products-----                          | 917,975           | 889,928           | 930,881           | 3/                 | 3/                | 3/                | 3/                |
| Structural shapes & units-----              | 7,049,677         | 6,635,764         | 7,172,010         | 7,285,607          | 6,818,015         | 3,640,960         | 3,187,179         |
| Rails & related products-----               | 1,299,929         | 902,776           | 744,880           | 915,880            | 781,292           | 498,190           | 366,951           |
| Pipe and tube-----                          | 8,385,854         | 5,671,711         | 6,192,583         | 7,479,551          | 6,040,401         | 2,940,446         | 3,464,420         |
| <b>Total-----</b>                           | <b>96,935,928</b> | <b>90,571,732</b> | <b>96,415,948</b> | <b>103,557,659</b> | <b>97,786,297</b> | <b>50,265,916</b> | <b>49,144,821</b> |
| <b>Carbon &amp; certain alloy 2/ steel:</b> |                   |                   |                   |                    |                   |                   |                   |
| Semifinished-----                           | 3,675,194         | 3,444,430         | 3,677,060         | 4,575,171          | 3,511,955         | 1,929,797         | 1,634,989         |
| Plate-----                                  | 5,871,738         | 4,823,280         | 5,352,358         | 8,894,553          | 7,919,675         | 3,762,237         | 4,463,834         |
| Sheet and strip-----                        | 48,579,016        | 47,342,969        | 49,593,209        | 49,520,590         | 48,246,263        | 25,025,123        | 23,504,219        |
| Bars & certain shapes-----                  | 13,864,208        | 13,317,940        | 14,560,787        | 15,520,946         | 15,344,745        | 7,809,713         | 7,908,907         |
| Wire rod-----                               | 4,384,259         | 4,766,635         | 5,234,571         | 5,456,419          | 5,290,947         | 2,625,921         | 2,650,579         |
| Wire-----                                   | 1,424,976         | 1,318,052         | 1,287,363         | 2,075,234          | 2,096,403         | 1,120,997         | 1,053,992         |
| Wire products-----                          | 917,975           | 889,928           | 930,881           | 3/                 | 3/                | 3/                | 3/                |
| Structural shapes & units-----              | 7,049,677         | 6,635,764         | 7,172,010         | 7,285,607          | 6,818,015         | 3,640,960         | 3,187,179         |
| Rails & related products-----               | 1,299,929         | 902,776           | 744,880           | 915,880            | 781,292           | 498,190           | 366,951           |
| Pipe and tube-----                          | 8,310,739         | 5,599,237         | 6,133,106         | 7,393,506          | 5,963,089         | 2,897,548         | 3,425,305         |
| <b>Total-----</b>                           | <b>95,377,711</b> | <b>89,041,011</b> | <b>94,686,225</b> | <b>101,637,906</b> | <b>95,972,384</b> | <b>49,310,486</b> | <b>48,195,955</b> |
| <b>Stainless &amp; alloy tool steel:</b>    |                   |                   |                   |                    |                   |                   |                   |
| <b>Stainless steel:</b>                     |                   |                   |                   |                    |                   |                   |                   |
| Semifinished-----                           | 49,990            | 66,256            | 131,608           | 136,035            | 145,288           | 76,594            | 88,659            |
| Plate-----                                  | 144,930           | 128,751           | 165,718           | 186,878            | 179,860           | 95,816            | 112,027           |
| Sheet and strip-----                        | 941,975           | 921,356           | 1,013,957         | 1,117,233          | 1,052,427         | 557,309           | 530,783           |
| Bars & certain shapes-----                  | 159,475           | 149,966           | 156,243           | 168,429            | 165,636           | 82,111            | 86,058            |
| Wire rod-----                               | 48,915            | 54,067            | 64,737            | 75,482             | 52,964            | 29,201            | 26,455            |
| Wire-----                                   | 42,499            | 39,468            | 42,012            | 45,780             | 43,405            | 24,986            | 19,706            |
| Pipe and tube-----                          | 75,115            | 72,474            | 59,477            | 86,044             | 77,312            | 42,898            | 39,115            |
| <b>Tool steel (all forms)-----</b>          | <b>95,318</b>     | <b>98,380</b>     | <b>95,973</b>     | <b>103,870</b>     | <b>97,021</b>     | <b>46,515</b>     | <b>46,063</b>     |
| <b>Total-----</b>                           | <b>1,558,217</b>  | <b>1,530,718</b>  | <b>1,729,725</b>  | <b>1,919,751</b>   | <b>1,813,913</b>  | <b>955,430</b>    | <b>948,866</b>    |

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 6.--Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1985-1989, and by specific periods, 1989 and 1990

(Percent)

| Item                             | 1985 | 1986 | 1987 | 1988 | 1989 | January-June |      |
|----------------------------------|------|------|------|------|------|--------------|------|
|                                  |      |      |      |      |      | 1989         | 1990 |
| All grades of steel:             |      |      |      |      |      |              |      |
| Semifinished-----                | 65.5 | 59.4 | 60.1 | 60.4 | 60.1 | 55.3         | 63.2 |
| Plate-----                       | 29.5 | 29.4 | 28.4 | 20.6 | 17.7 | 18.1         | 14.1 |
| Sheet and strip-----             | 18.3 | 17.2 | 15.6 | 14.4 | 13.1 | 12.0         | 12.1 |
| Bars & certain shapes 1/-----    | 11.0 | 10.9 | 9.2  | 9.2  | 8.7  | 9.5          | 6.4  |
| Wire rod-----                    | 33.3 | 28.3 | 27.7 | 27.0 | 21.5 | 21.1         | 20.9 |
| Wire-----                        | 41.0 | 42.0 | 41.0 | 39.0 | 37.0 | 82.0         | 97.0 |
| Wire products-----               | 73.5 | 71.5 | 69.8 | 3/   | 3/   | 3/           | 3/   |
| Structural shapes & units-----   | 34.6 | 32.8 | 30.0 | 30.0 | 24.1 | 26.8         | 16.5 |
| Rails & related products-----    | 29.4 | 30.5 | 33.0 | 34.9 | 41.3 | 34.9         | 39.8 |
| Pipe and tube-----               | 53.5 | 52.1 | 44.8 | 43.9 | 40.9 | 40.1         | 38.4 |
| Total-----                       | 25.7 | 25.5 | 21.7 | 21.1 | 18.6 | 18.2         | 16.9 |
| Carbon & certain alloy 2/ steel: |      |      |      |      |      |              |      |
| Semifinished-----                | 66.1 | 60.0 | 60.7 | 60.8 | 60.8 | 55.4         | 64.6 |
| Plate-----                       | 30.0 | 29.9 | 29.1 | 20.9 | 17.9 | 18.3         | 14.3 |
| Sheet and strip-----             | 18.3 | 17.2 | 15.6 | 14.5 | 13.1 | 12.0         | 12.0 |
| Bars & certain shapes-----       | 10.6 | 10.5 | 8.8  | 8.8  | 8.2  | 9.1          | 6.0  |
| Wire rod-----                    | 33.2 | 28.2 | 27.7 | 27.0 | 21.3 | 20.9         | 20.6 |
| Wire-----                        | 41.0 | 42.0 | 41.0 | 39.0 | 37.0 | 97.0         | 92.0 |
| Wire products-----               | 73.5 | 71.5 | 69.8 | 3/   | 3/   | 3/           | 3/   |
| Structural shapes & units-----   | 34.6 | 32.8 | 30.0 | 30.0 | 24.1 | 26.8         | 16.5 |
| Rails & related products-----    | 29.4 | 30.5 | 33.0 | 34.9 | 41.3 | 34.9         | 39.8 |
| Pipe and tube-----               | 53.6 | 52.2 | 44.8 | 44.0 | 40.8 | 40.0         | 38.1 |
| Total-----                       | 25.8 | 25.5 | 21.8 | 21.2 | 18.6 | 18.1         | 16.9 |
| Stainless & alloy tool steel:    |      |      |      |      |      |              |      |
| Stainless steel:                 |      |      |      |      |      |              |      |
| Semifinished-----                | 20.6 | 26.6 | 43.1 | 45.9 | 42.8 | 52.2         | 37.3 |
| Plate-----                       | 7.9  | 12.7 | 6.7  | 8.5  | 9.8  | 10.0         | 8.7  |
| Sheet and strip-----             | 14.4 | 16.5 | 12.8 | 10.6 | 13.4 | 11.7         | 13.3 |
| Bars & certain shapes-----       | 23.8 | 25.3 | 24.3 | 24.2 | 26.2 | 23.6         | 23.4 |
| Wire rod-----                    | 41.0 | 34.2 | 28.3 | 25.4 | 41.0 | 38.2         | 45.6 |
| Wire-----                        | 52.2 | 44.4 | 45.4 | 45.1 | 49.1 | 47.9         | 46.9 |
| Pipe and tube-----               | 42.6 | 45.9 | 44.5 | 42.7 | 48.2 | 48.3         | 61.0 |
| Tool steel (all forms)-----      | 39.0 | 45.5 | 42.3 | 42.5 | 49.8 | 53.7         | 42.8 |
| Total-----                       | 19.7 | 22.1 | 19.6 | 18.7 | 21.6 | 21.3         | 20.9 |

1/ Includes tool steel.

2/ Certain alloy refers to alloy steel other than stainless or tool steel.

3/ Shipment and apparent consumption data for wire and wire products have been combined and are reported in the category designated "wire".

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988       | 1989       | January--June |           |
|-------------------------------|------------|------------|---------------|-----------|
|                               |            |            | 1989          | 1990      |
| Quantity (short tons)         |            |            |               |           |
| VRA countries:                |            |            |               |           |
| Australia -----               | 282,085    | 274,578    | 160,857       | 130,755   |
| Austria -----                 | 138,101    | 86,486     | 32,003        | 48,100    |
| Brazil -----                  | 1,476,896  | 1,391,142  | 758,757       | 583,872   |
| Czechoslovakia -----          | 37,301     | 25,693     | 1,834         | 1,577     |
| East Germany -----            | 92,239     | 55,867     | 30,912        | 30,457    |
| EC countries-----             | 6,276,220  | 5,676,977  | 2,677,219     | 2,359,985 |
| Finland -----                 | 212,989    | 216,716    | 122,782       | 123,682   |
| Hungary -----                 | 30,094     | 28,420     | 13,013        | 10,695    |
| Japan -----                   | 4,343,898  | 3,695,906  | 1,924,741     | 1,560,664 |
| Mexico -----                  | 488,367    | 467,605    | 174,889       | 335,453   |
| Peoples Rep of China -----    | 68,840     | 62,028     | 27,283        | 32,793    |
| Poland -----                  | 89,648     | 72,786     | 32,563        | 15,658    |
| Romania -----                 | 102,548    | 49,451     | 22,046        | 10,489    |
| Republic of South Africa ---- | 1,693      | 756        | 394           | 505       |
| Korea, Republic of -----      | 1,572,602  | 1,191,970  | 584,250       | 704,487   |
| Trinidad and Tobago -----     | 31,518     | 48,028     | 15,264        | 37,865    |
| Venezuela -----               | 169,383    | 173,642    | 37,320        | 78,805    |
| Yugoslavia -----              | 12,751     | 8,222      | 4,010         | 12,167    |
| Total-----                    | 15,427,173 | 13,526,273 | 6,620,137     | 6,078,009 |
| Other countries:              |            |            |               |           |
| Canada -----                  | 3,430,920  | 3,218,260  | 1,716,561     | 1,662,910 |
| Sweden -----                  | 575,055    | 254,507    | 167,997       | 112,151   |
| Argentina -----               | 558,011    | 227,866    | 76,932        | 96,990    |
| Turkey -----                  | 307,985    | 211,804    | 116,427       | 70,711    |
| Taiwan -----                  | 252,112    | 164,019    | 87,548        | 107,024   |
| India -----                   | 100,261    | 106,110    | 62,892        | 42,050    |
| Norway -----                  | 181,502    | 90,181     | 51,560        | 9,543     |
| Singapore -----               | 153,164    | 78,918     | 40,408        | 20,542    |
| New Zealand -----             | 88,980     | 78,564     | 51,723        | 44,079    |
| Indonesia -----               | 281,142    | 69,344     | 46,704        | 21,858    |
| All others-----               | 512,760    | 192,639    | 101,418       | 59,647    |
| Total-----                    | 6,441,892  | 4,692,212  | 2,520,170     | 2,247,505 |
| Grand total-----              | 21,869,065 | 18,218,485 | 9,140,307     | 8,325,514 |

Table 7.--Steel mill products and certain fabricated steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988                     | 1989      | January--June |           |
|--------------------------------|--------------------------|-----------|---------------|-----------|
|                                |                          |           | 1989          | 1990      |
|                                | Value (thousand dollars) |           |               |           |
| VRA countries:                 |                          |           |               |           |
| Australia -----                | 118,494                  | 126,633   | 67,290        | 48,788    |
| Austria -----                  | 82,907                   | 67,871    | 28,414        | 36,466    |
| Brazil -----                   | 463,632                  | 473,506   | 256,922       | 163,251   |
| Czechoslovakia -----           | 12,019                   | 8,890     | 795           | 605       |
| East Germany -----             | 31,340                   | 18,908    | 10,337        | 9,528     |
| EC countries-----              | 2,981,610                | 2,945,914 | 1,425,446     | 1,221,847 |
| Finland -----                  | 101,105                  | 91,999    | 53,501        | 55,101    |
| Hungary -----                  | 8,600                    | 9,155     | 4,145         | 3,291     |
| Japan -----                    | 2,562,005                | 2,426,329 | 1,218,749     | 1,063,816 |
| Mexico -----                   | 240,693                  | 252,029   | 99,948        | 168,949   |
| Peoples Rep of China -----     | 27,574                   | 34,627    | 15,130        | 18,187    |
| Poland -----                   | 30,281                   | 26,614    | 11,919        | 6,365     |
| Romania -----                  | 36,063                   | 17,374    | 7,754         | 3,769     |
| Republic of South Africa ----- | 1,487                    | 594       | 327           | 383       |
| Korea, Republic of -----       | 770,065                  | 638,311   | 296,267       | 365,218   |
| Trinidad and Tobago -----      | 8,602                    | 14,695    | 4,794         | 10,554    |
| Venezuela -----                | 53,699                   | 61,681    | 14,175        | 30,200    |
| Yugoslavia -----               | 5,947                    | 3,423     | 1,675         | 4,990     |
| Total-----                     | 7,536,123                | 7,218,553 | 3,517,588     | 3,211,308 |
| Other countries:               |                          |           |               |           |
| Canada -----                   | 1,706,602                | 1,697,641 | 921,213       | 826,840   |
| Sweden -----                   | 358,878                  | 278,349   | 163,211       | 125,400   |
| Argentina -----                | 221,845                  | 110,210   | 33,032        | 48,094    |
| Turkey -----                   | 93,038                   | 65,996    | 37,549        | 22,934    |
| Taiwan -----                   | 134,663                  | 107,331   | 55,479        | 70,805    |
| India -----                    | 43,769                   | 45,816    | 25,140        | 22,301    |
| Norway -----                   | 55,371                   | 33,921    | 18,584        | 6,400     |
| Singapore -----                | 50,365                   | 32,735    | 16,347        | 12,191    |
| New Zealand -----              | 35,995                   | 41,302    | 25,096        | 19,659    |
| Indonesia -----                | 81,687                   | 24,760    | 15,979        | 8,986     |
| All others-----                | 194,569                  | 92,265    | 48,336        | 35,463    |
| Total-----                     | 2,976,782                | 2,530,326 | 1,359,966     | 1,199,073 |
| Grand total-----               | 10,512,905               | 9,748,879 | 4,877,554     | 4,410,381 |

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988       | 1989       | January-June          |           |
|--------------------------------|------------|------------|-----------------------|-----------|
|                                |            |            | 1989                  | 1990      |
|                                |            |            | Quantity (Short tons) |           |
| VRA countries:                 |            |            |                       |           |
| Australia -----                | 202,683    | 205,832    | 119,154               | 64,763    |
| Austria -----                  | 138,029    | 86,486     | 32,003                | 48,100    |
| Brazil -----                   | 755,083    | 724,260    | 407,834               | 192,753   |
| Czechoslovakia -----           | 37,301     | 25,693     | 1,834                 | 1,577     |
| East Germany -----             | 92,239     | 55,867     | 30,912                | 30,457    |
| EC-----                        | 5,084,148  | 4,732,130  | 2,202,065             | 1,922,585 |
| Finland -----                  | 209,750    | 182,165    | 111,773               | 123,682   |
| Hungary -----                  | 30,094     | 28,420     | 13,013                | 10,695    |
| Japan -----                    | 4,264,692  | 3,608,721  | 1,884,766             | 1,554,511 |
| Mexico -----                   | 424,451    | 390,447    | 158,773               | 243,324   |
| Peoples Rep of China -----     | 68,840     | 62,023     | 27,278                | 32,781    |
| Poland -----                   | 89,295     | 72,493     | 32,296                | 15,616    |
| Romania -----                  | 102,548    | 49,451     | 22,046                | 10,489    |
| Republic of South Africa ----- | 1,693      | 750        | 394                   | 505       |
| Korea, Republic of -----       | 1,515,157  | 1,125,936  | 541,017               | 704,416   |
| Trinidad and Tobago -----      | 28,460     | 48,028     | 15,264                | 37,865    |
| Venezuela -----                | 119,720    | 125,160    | 37,320                | 78,805    |
| Yugoslavia -----               | 12,751     | 8,222      | 4,010                 | 12,167    |
| Total-----                     | 13,176,934 | 11,532,084 | 5,641,752             | 5,085,091 |
| Other countries:               |            |            |                       |           |
| Canada -----                   | 3,327,082  | 3,098,487  | 1,663,250             | 1,575,024 |
| Argentina -----                | 535,190    | 227,011    | 76,871                | 96,886    |
| Turkey -----                   | 307,985    | 211,804    | 116,427               | 70,711    |
| Sweden -----                   | 269,005    | 183,284    | 101,483               | 103,546   |
| Taiwan -----                   | 252,112    | 164,018    | 87,548                | 107,002   |
| India -----                    | 100,261    | 106,110    | 62,892                | 42,050    |
| Norway -----                   | 116,917    | 84,304     | 45,683                | 9,537     |
| Singapore -----                | 153,164    | 78,918     | 40,408                | 20,542    |
| New Zealand -----              | 42,766     | 78,564     | 51,723                | 44,079    |
| Indonesia -----                | 276,988    | 69,344     | 46,704                | 21,858    |
| All others-----                | 465,682    | 186,746    | 95,550                | 59,414    |
| Total-----                     | 5,847,152  | 4,488,590  | 2,388,539             | 2,150,649 |
| Grand total-----               | 19,024,086 | 16,020,674 | 8,030,291             | 7,235,740 |

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: 1/ U.S. imports for consumption, and imports as a percent of apparent U.S. consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                               | 1988 | 1989 | January-June |      |
|------------------------------------|------|------|--------------|------|
|                                    |      |      | 1989         | 1990 |
|                                    |      |      |              |      |
| Import/consumption ratio (percent) |      |      |              |      |
| -----                              |      |      |              |      |
| VRA countries:                     |      |      |              |      |
| Australia -----                    | .2   | .2   | .2           | .1   |
| Austria -----                      | .1   | .1   | .1           | .1   |
| Brazil -----                       | .8   | .8   | .9           | .4   |
| Czechoslovakia -----               | 2/   | 2/   | 2/           | 2/   |
| East Germany -----                 | .1   | .1   | .1           | .1   |
| EC-----                            | 5.2  | 5.1  | 4.6          | 4.1  |
| Finland -----                      | .2   | .2   | .2           | .3   |
| Hungary -----                      | 2/   | 2/   | 2/           | 2/   |
| Japan -----                        | 4.4  | 3.9  | 3.9          | 3.3  |
| Mexico -----                       | .4   | .4   | .3           | .5   |
| Peoples Rep of China -----         | .1   | .1   | .1           | .1   |
| Poland -----                       | .1   | .1   | .1           | 2/   |
| Romania -----                      | .1   | .1   | 2/           | 2/   |
| Republic of South Africa -----     | 2/   | 2/   | 2/           | 2/   |
| Korea, Republic of -----           | 1.6  | 1.2  | 1.1          | 1.5  |
| Trinidad and Tobago -----          | 2/   | .1   | 2/           | .1   |
| Venezuela -----                    | .1   | .1   | .1           | .2   |
| Yugoslavia -----                   | 2/   | 2/   | 2/           | 2/   |
| Total-----                         | 13.5 | 12.4 | 11.8         | 10.8 |
| Other countries:                   |      |      |              |      |
| Canada -----                       | 3.4  | 3.3  | 3.5          | 3.3  |
| Argentina -----                    | .5   | .2   | .2           | .2   |
| Turkey -----                       | .3   | .2   | .2           | .2   |
| Sweden -----                       | .3   | .2   | .2           | .2   |
| Taiwan -----                       | .3   | .2   | .2           | .2   |
| India -----                        | .1   | .1   | .1           | .1   |
| Norway -----                       | .1   | .1   | .1           | 2/   |
| Singapore -----                    | .2   | .1   | .1           | 2/   |
| New Zealand -----                  | 2/   | .1   | .1           | .1   |
| Indonesia -----                    | .3   | .1   | .1           | 2/   |
| All others-----                    | .5   | .2   | .2           | .1   |
| Total-----                         | 6.0  | 4.8  | 5.0          | 4.6  |
| Grand total-----                   | 19.5 | 17.2 | 16.8         | 15.4 |

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Less than 0.05 percent.

Source: Compiled from data of the American Iron and Steel Institute and from official statistics of the U.S. Department of Commerce.

Table 9.--Semifinished steel: 1/ U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Source                         | Unadjusted<br>Initial Period<br>Ceiling 2/ | 1988      | 1989      | January--June |           |
|--------------------------------|--------------------------------------------|-----------|-----------|---------------|-----------|
|                                |                                            |           |           | 1989          | 1990      |
| Quantity (short tons)          |                                            |           |           |               |           |
| VRA countries:                 |                                            |           |           |               |           |
| Australia -----                | 126,500                                    | 79,402    | 68,747    | 41,703        | 65,992    |
| Austria -----                  | 3/                                         | 73        | 0         | 0             | 0         |
| Brazil -----                   | 979,835                                    | 721,813   | 666,882   | 350,923       | 391,119   |
| Czechoslovakia -----           | 3/                                         | 0         | 0         | 0             | 0         |
| East Germany -----             | 3/                                         | 0         | 0         | 0             | 0         |
| EC Countries -----             | 814,743                                    | 1,192,072 | 944,846   | 475,154       | 437,400   |
| Finland -----                  | 17,152                                     | 3,239     | 34,551    | 11,009        | 0         |
| Hungary -----                  | 3/                                         | 0         | 0         | 0             | 0         |
| Japan -----                    | 94,339                                     | 79,206    | 87,185    | 39,975        | 6,153     |
| Mexico -----                   | 257,287                                    | 63,916    | 77,158    | 16,116        | 92,129    |
| Peoples Rep of China -----     | 3/                                         | 0         | 5         | 5             | 12        |
| Poland -----                   | 3/                                         | 353       | 293       | 267           | 42        |
| Romania -----                  | 3/                                         | 0         | 0         | 0             | 0         |
| Republic of South Africa ----- | 3/                                         | 0         | 7         | 0             | 0         |
| Korea, Republic of -----       | 290,520                                    | 57,445    | 66,033    | 43,232        | 72        |
| Trinidad and Tobago -----      | 24,250                                     | 3,058     | 0         | 0             | 0         |
| Venezuela -----                | 73,970                                     | 49,663    | 48,482    | 0             | 0         |
| Yugoslavia -----               | 3/                                         | 0         | 0         | 0             | 0         |
| Total-----                     | 5/                                         | 2,250,240 | 1,994,189 | 978,384       | 992,919   |
| Other countries:               |                                            |           |           |               |           |
| Canada -----                   | 5/                                         | 103,838   | 119,773   | 53,311        | 87,886    |
| Sweden -----                   | 3/                                         | 306,050   | 71,223    | 66,514        | 8,604     |
| Norway -----                   | 3/                                         | 64,585    | 5,877     | 5,877         | 6         |
| Soviet Union -----             | 3/                                         | 47,078    | 5,860     | 5,860         | 0         |
| Argentina -----                | 3/                                         | 22,820    | 855       | 62            | 104       |
| Switzerland -----              | 3/                                         | 0         | 31        | 9             | 231       |
| Taiwan -----                   | 3/                                         | 0         | 0         | 0             | 22        |
| Israel -----                   | 3/                                         | 0         | 0         | 0             | 0         |
| Indonesia -----                | 3/                                         | 4,154     | 0         | 0             | 0         |
| New Zealand -----              | 3/                                         | 46,214    | 0         | 0             | 0         |
| Total-----                     | 5/                                         | 594,739   | 203,619   | 131,633       | 96,853    |
| Grand total-----               | 5/                                         | 2,844,979 | 2,197,808 | 1,110,017     | 1,089,772 |

1/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

2/ Restraint level applicable to 15-month period ending December 31, 1990.

3/ No explicit semifinished steel provisions.

4/ The United States did not renew its voluntary restraint agreement with South Africa. See preface and notes for explanation.

5/ Not applicable.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 10.--Carbon and certain alloy 1/ semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988      | 1989      | January--June         |           |
|--------------------------------|-----------|-----------|-----------------------|-----------|
|                                |           |           | 1989                  | 1990      |
|                                |           |           | Quantity (short tons) |           |
| VRA countries:                 |           |           |                       |           |
| Australia -----                | 79,402    | 68,747    | 41,703                | 65,992    |
| Austria -----                  | 0         | 0         | 0                     | 0         |
| Brazil -----                   | 720,130   | 666,882   | 350,923               | 391,119   |
| Czechoslovakia -----           | 0         | 0         | 0                     | 0         |
| East Germany -----             | 0         | 0         | 0                     | 0         |
| EC countries-----              | 1,181,448 | 930,852   | 463,928               | 426,863   |
| Finland -----                  | 3,239     | 34,551    | 11,009                | 0         |
| Hungary -----                  | 0         | 0         | 0                     | 0         |
| Japan -----                    | 77,271    | 86,487    | 39,708                | 5,873     |
| Mexico -----                   | 63,916    | 76,982    | 16,114                | 91,911    |
| Peoples Rep of China -----     | 0         | 5         | 5                     | 12        |
| Poland -----                   | 279       | 0         | 0                     | 0         |
| Romania -----                  | 0         | 0         | 0                     | 0         |
| Republic of South Africa ----- | 0         | 7         | 0                     | 0         |
| Korea, Republic of -----       | 57,445    | 66,033    | 43,232                | 72        |
| Trinidad and Tobago -----      | 3,058     | 0         | 0                     | 0         |
| Venezuela -----                | 49,663    | 48,482    | 0                     | 0         |
| Yugoslavia -----               | 0         | 0         | 0                     | 0         |
| Total-----                     | 2,235,851 | 1,979,028 | 966,622               | 981,842   |
| Other countries:               |           |           |                       |           |
| Canada -----                   | 70,310    | 83,218    | 30,762                | 74,173    |
| Sweden -----                   | 291,559   | 60,821    | 60,821                | 355       |
| Norway -----                   | 64,585    | 5,877     | 5,877                 | 6         |
| Soviet Union -----             | 47,078    | 5,860     | 5,860                 | 0         |
| Argentina -----                | 22,820    | 855       | 62                    | 104       |
| Switzerland -----              | 2/        | 31        | 9                     | 231       |
| New Zealand -----              | 46,214    | 0         | 0                     | 2/        |
| Taiwan -----                   | 0         | 0         | 0                     | 21        |
| Indonesia -----                | 4,154     | 0         | 0                     | 0         |
| Total-----                     | 546,720   | 156,662   | 103,391               | 74,890    |
| Grand total-----               | 2,782,571 | 2,135,690 | 1,070,013             | 1,056,732 |

See footnote(s) at end of table.

Table 10.--Carbon and certain alloy <sup>1/</sup> semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June            |         |
|--------------------------------|---------|---------|--------------------------|---------|
|                                |         |         | 1989                     | 1990    |
|                                |         |         | Value (thousand dollars) |         |
| VRA countries:                 |         |         |                          |         |
| Australia -----                | 15,165  | 14,426  | 7,620                    | 13,645  |
| Austria -----                  | 0       | 0       | 0                        | 0       |
| Brazil -----                   | 161,215 | 166,678 | 88,403                   | 83,448  |
| Czechoslovakia -----           | 0       | 0       | 0                        | 0       |
| East Germany -----             | 0       | 0       | 0                        | 0       |
| EC countries -----             | 290,884 | 244,360 | 123,836                  | 102,851 |
| Finland -----                  | 770     | 10,811  | 2,974                    | 0       |
| Hungary -----                  | 0       | 0       | 0                        | 0       |
| Japan -----                    | 19,499  | 24,972  | 11,171                   | 2,930   |
| Mexico -----                   | 17,342  | 19,722  | 4,648                    | 20,104  |
| Peoples Rep of China -----     | 0       | 7       | 7                        | 12      |
| Poland -----                   | 69      | 0       | 0                        | 0       |
| Romania -----                  | 0       | 0       | 0                        | 0       |
| Republic of South Africa ----- | 0       | 18      | 0                        | 0       |
| Korea, Republic of -----       | 14,573  | 16,133  | 10,557                   | 44      |
| Trinidad and Tobago -----      | 617     | 0       | 0                        | 0       |
| Venezuela -----                | 11,049  | 10,072  | 0                        | 0       |
| Yugoslavia -----               | 0       | 0       | 0                        | 0       |
| Total-----                     | 531,183 | 507,199 | 249,216                  | 223,034 |
| Other countries:               |         |         |                          |         |
| Canada -----                   | 21,337  | 27,484  | 12,002                   | 21,006  |
| Sweden -----                   | 73,544  | 15,249  | 15,249                   | 121     |
| Norway -----                   | 14,757  | 1,288   | 1,288                    | 40      |
| Soviet Union -----             | 6,946   | 843     | 843                      | 0       |
| Argentina -----                | 6,147   | 336     | 21                       | 35      |
| Switzerland -----              | 3       | 155     | 28                       | 255     |
| New Zealand -----              | 13,489  | 0       | 0                        | 5       |
| Taiwan -----                   | 0       | 0       | 0                        | 25      |
| Indonesia -----                | 1,196   | 0       | 0                        | 0       |
| Total-----                     | 137,419 | 45,355  | 29,431                   | 21,487  |
| Grand total-----               | 668,602 | 552,554 | 278,647                  | 244,521 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 11.--Carbon and certain alloy 1/ steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988      | 1989      | January--June         |         |
|-------------------------------|-----------|-----------|-----------------------|---------|
|                               |           |           | 1989                  | 1990    |
|                               |           |           | Quantity (short tons) |         |
| VRA countries:                |           |           |                       |         |
| Australia -----               | 5,935     | 4,634     | 1,594                 | 2,296   |
| Austria -----                 | 21,426    | 5,851     | 1,071                 | 1,158   |
| Brazil -----                  | 171,537   | 134,769   | 86,761                | 15,313  |
| Czechoslovakia -----          | 16,455    | 17,274    | 840                   | 0       |
| East Germany -----            | 17,270    | 10,342    | 5,579                 | 7,692   |
| EC countries-----             | 515,974   | 521,489   | 203,433               | 255,567 |
| Finland -----                 | 96,135    | 108,885   | 61,194                | 68,329  |
| Hungary -----                 | 16,146    | 15,300    | 6,287                 | 5,934   |
| Japan -----                   | 44,538    | 45,639    | 20,863                | 17,157  |
| Mexico -----                  | 20,867    | 26,919    | 7,710                 | 21,970  |
| Peoples Rep of China -----    | 26        | 0         | 0                     | 0       |
| Poland -----                  | 30,860    | 28,960    | 13,043                | 2,588   |
| Romania -----                 | 68,325    | 35,438    | 16,383                | 2,225   |
| Republic of South Africa ---- | 0         | 0         | 0                     | 0       |
| Korea, Republic of -----      | 68,405    | 46,109    | 25,692                | 14,957  |
| Trinidad and Tobago -----     | 389       | 2,204     | 0                     | 0       |
| Venezuela -----               | 6,653     | 10,033    | 2,915                 | 3,523   |
| Yugoslavia -----              | 1,423     | 0         | 0                     | 4,634   |
| Total-----                    | 1,102,364 | 1,013,846 | 453,365               | 423,343 |
| Other countries:              |           |           |                       |         |
| Canada -----                  | 419,556   | 266,881   | 152,992               | 135,799 |
| Sweden -----                  | 110,743   | 78,601    | 43,189                | 57,038  |
| India -----                   | 34,780    | 53,828    | 35,303                | 14,626  |
| New Zealand -----             | 3,849     | 5,544     | 4,841                 | 3,063   |
| Indonesia -----               | 84,969    | 267       | 203                   | 0       |
| Argentina -----               | 44,564    | 233       | 233                   | 2,817   |
| Turkey -----                  | 5,946     | 193       | 186                   | 0       |
| Peru -----                    | 0         | 2/        | 2/                    | 0       |
| Switzerland -----             | 86        | 0         | 0                     | 0       |
| Israel -----                  | 1,729     | 0         | 0                     | 0       |
| All others-----               | 48,503    | 0         | 0                     | 17      |
| Total-----                    | 754,725   | 405,547   | 236,947               | 213,360 |
| Grand total-----              | 1,857,089 | 1,419,393 | 690,312               | 636,703 |

See footnote(s) at end of table.

Table 11.--Carbon and certain alloy <sup>1/</sup> steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988    | 1989    | January--June            |         |
|-------------------------------|---------|---------|--------------------------|---------|
|                               |         |         | 1989                     | 1990    |
|                               |         |         | Value (thousand dollars) |         |
| VRA countries:                |         |         |                          |         |
| Australia -----               | 3,190   | 2,371   | 768                      | 1,027   |
| Austria -----                 | 8,467   | 2,465   | 744                      | 619     |
| Brazil -----                  | 67,413  | 44,586  | 27,245                   | 5,581   |
| Czechoslovakia -----          | 5,280   | 5,498   | 236                      | 0       |
| East Germany -----            | 5,566   | 3,312   | 1,817                    | 2,204   |
| EC countries-----             | 219,700 | 215,157 | 88,142                   | 99,624  |
| Finland -----                 | 38,528  | 39,347  | 22,177                   | 23,667  |
| Hungary -----                 | 4,494   | 4,847   | 1,935                    | 1,821   |
| Japan -----                   | 27,120  | 27,889  | 12,622                   | 11,569  |
| Mexico -----                  | 8,122   | 10,816  | 3,494                    | 7,293   |
| Peoples Rep of China -----    | 28      | 0       | 0                        | 0       |
| Poland -----                  | 9,971   | 9,915   | 4,462                    | 845     |
| Romania -----                 | 22,680  | 11,827  | 5,588                    | 708     |
| Republic of South Africa ---- | 0       | 0       | 0                        | 0       |
| Korea, Republic of -----      | 28,496  | 17,725  | 9,878                    | 5,265   |
| Trinidad and Tobago -----     | 122     | 630     | 0                        | 0       |
| Venezuela -----               | 2,062   | 3,172   | 990                      | 876     |
| Yugoslavia -----              | 461     | 0       | 0                        | 1,834   |
| Total-----                    | 451,700 | 399,557 | 180,098                  | 162,933 |
| Other countries:              |         |         |                          |         |
| Canada -----                  | 175,573 | 109,513 | 64,587                   | 51,019  |
| Sweden -----                  | 52,247  | 39,192  | 21,718                   | 25,276  |
| India -----                   | 14,024  | 17,706  | 10,877                   | 5,137   |
| New Zealand -----             | 1,350   | 1,671   | 1,462                    | 844     |
| Indonesia -----               | 25,597  | 125     | 57                       | 0       |
| Argentina -----               | 14,038  | 81      | 81                       | 678     |
| Turkey -----                  | 2,186   | 88      | 85                       | 0       |
| Peru -----                    | 0       | 6       | 6                        | 0       |
| Switzerland -----             | 38      | 0       | 0                        | 0       |
| Israel -----                  | 754     | 0       | 0                        | 0       |
| All others-----               | 14,161  | 0       | 0                        | 11      |
| Total-----                    | 299,968 | 168,382 | 98,873                   | 82,965  |
| Grand total-----              | 751,668 | 567,939 | 278,971                  | 245,898 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988      | 1989      | January--June         |           |
|--------------------------------|-----------|-----------|-----------------------|-----------|
|                                |           |           | 1989                  | 1990      |
|                                |           |           | Quantity (short tons) |           |
| VRA countries:                 |           |           |                       |           |
| Australia -----                | 169,338   | 173,844   | 100,176               | 47,161    |
| Austria -----                  | 80,141    | 44,936    | 19,078                | 19,859    |
| Brazil -----                   | 279,788   | 374,903   | 207,352               | 64,016    |
| Czechoslovakia -----           | 0         | 10        | 10                    | 0         |
| East Germany -----             | 50,830    | 26,330    | 15,206                | 13,927    |
| EC countries-----              | 2,249,090 | 1,968,270 | 845,999               | 674,374   |
| Finland -----                  | 85,164    | 56,876    | 38,846                | 43,011    |
| Hungary -----                  | 13,211    | 11,903    | 5,587                 | 4,734     |
| Japan -----                    | 2,209,538 | 2,050,376 | 1,046,369             | 926,372   |
| Mexico -----                   | 139,529   | 117,694   | 48,713                | 80,098    |
| Peoples Rep of China -----     | 0         | 456       | 18                    | 84        |
| Poland -----                   | 11,005    | 0         | 0                     | 0         |
| Romania -----                  | 6,731     | 52        | 52                    | 0         |
| Republic of South Africa ----- | 0         | 0         | 0                     | 0         |
| Korea, Republic of -----       | 487,380   | 375,727   | 141,493               | 363,973   |
| Trinidad and Tobago -----      | 63        | 0         | 0                     | 0         |
| Venezuela -----                | 57,246    | 59,756    | 13,379                | 18,938    |
| Yugoslavia -----               | 0         | 32        | 11                    | 434       |
| Total-----                     | 5,839,054 | 5,261,165 | 2,482,289             | 2,256,981 |
| Other countries:               |           |           |                       |           |
| Canada -----                   | 856,040   | 858,289   | 443,955               | 436,702   |
| New Zealand -----              | 29,118    | 61,556    | 40,751                | 39,206    |
| Taiwan -----                   | 78,901    | 48,988    | 19,208                | 52,294    |
| Argentina -----                | 243,388   | 27,348    | 4,571                 | 14,847    |
| Sweden -----                   | 51,007    | 21,448    | 12,904                | 11,153    |
| Norway -----                   | 14,466    | 20,341    | 9,476                 | 8,126     |
| United Arab Emirates -----     | 0         | 2,078     | 2,078                 | 0         |
| Jamamica -----                 | 0         | 538       | 0                     | 185       |
| Indonesia -----                | 20,138    | 368       | 160                   | 43        |
| Costa Rica -----               | 0         | 287       | 0                     | 66        |
| All others-----                | 53,269    | 438       | 86                    | 7,478     |
| Total-----                     | 1,346,327 | 1,041,679 | 533,189               | 570,100   |
| Grand total-----               | 7,185,381 | 6,302,844 | 3,015,478             | 2,827,081 |

See footnote(s) at end of table.

Table 12.--Carbon and certain alloy 1/ steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988      | 1989      | January--June            |           |
|--------------------------------|-----------|-----------|--------------------------|-----------|
|                                |           |           | 1989                     | 1990      |
|                                |           |           | Value (thousand dollars) |           |
| VRA countries:                 |           |           |                          |           |
| Australia -----                | 90,392    | 96,817    | 50,856                   | 26,444    |
| Austria -----                  | 31,089    | 18,681    | 7,844                    | 7,968     |
| Brazil -----                   | 111,040   | 149,482   | 83,153                   | 24,675    |
| Czechoslovakia -----           | 0         | 3         | 3                        | 0         |
| East Germany -----             | 18,100    | 9,790     | 5,502                    | 5,030     |
| EC countries-----              | 1,045,288 | 951,315   | 419,998                  | 325,497   |
| Finland -----                  | 32,525    | 22,393    | 15,981                   | 13,225    |
| Hungary -----                  | 3,751     | 3,739     | 1,722                    | 1,442     |
| Japan -----                    | 1,211,321 | 1,198,546 | 600,010                  | 552,882   |
| Mexico -----                   | 77,632    | 69,852    | 28,863                   | 48,675    |
| Peoples Rep of China -----     | 0         | 211       | 7                        | 137       |
| Poland -----                   | 5,049     | 0         | 0                        | 0         |
| Romania -----                  | 2,176     | 36        | 36                       | 0         |
| Republic of South Africa ----- | 0         | 0         | 0                        | 0         |
| Korea, Republic of -----       | 209,663   | 163,713   | 57,235                   | 153,802   |
| Trinidad and Tobago -----      | 19        | 0         | 0                        | 0         |
| Venezuela -----                | 22,121    | 26,436    | 5,578                    | 8,428     |
| Yugoslavia -----               | 0         | 17        | 6                        | 240       |
| Total-----                     | 2,860,166 | 2,711,031 | 1,276,794                | 1,168,445 |
| Other countries:               |           |           |                          |           |
| Canada -----                   | 381,804   | 403,293   | 209,623                  | 198,551   |
| New Zealand -----              | 11,315    | 27,435    | 17,529                   | 16,672    |
| Taiwan -----                   | 31,494    | 22,887    | 8,351                    | 26,549    |
| Argentina -----                | 92,033    | 14,390    | 1,968                    | 5,786     |
| Sweden -----                   | 39,376    | 28,193    | 16,719                   | 13,245    |
| Norway -----                   | 7,909     | 12,185    | 5,942                    | 4,900     |
| United Arab Emirates -----     | 0         | 926       | 926                      | 0         |
| Jamamica -----                 | 0         | 378       | 0                        | 136       |
| Indonesia -----                | 7,569     | 215       | 76                       | 35        |
| Costa Rica -----               | 0         | 228       | 0                        | 56        |
| All others-----                | 21,590    | 528       | 192                      | 2,943     |
| Total-----                     | 593,090   | 510,658   | 261,326                  | 268,873   |
| Grand total-----               | 3,453,256 | 3,221,689 | 1,538,120                | 1,437,318 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988      | 1989      | January--June         |         |
|--------------------------------|-----------|-----------|-----------------------|---------|
|                                |           |           | 1989                  | 1990    |
|                                |           |           | Quantity (short tons) |         |
| VRA countries:                 |           |           |                       |         |
| Australia -----                | 826       | 1,433     | 36                    | 89      |
| Austria -----                  | 693       | 541       | 307                   | 213     |
| Brazil -----                   | 96,561    | 50,035    | 28,455                | 30,013  |
| Czechoslovakia -----           | 0         | 0         | 0                     | 0       |
| East Germany -----             | 0         | 0         | 0                     | 0       |
| EC countries-----              | 260,337   | 323,125   | 151,627               | 113,500 |
| Finland -----                  | 4,081     | 4,080     | 2,092                 | 1,645   |
| Hungary -----                  | 146       | 0         | 0                     | 0       |
| Japan -----                    | 107,959   | 131,880   | 73,294                | 40,969  |
| Mexico -----                   | 22,813    | 16,066    | 6,284                 | 4,974   |
| Peoples Rep of China -----     | 3,441     | 3,916     | 1,390                 | 2,301   |
| Poland -----                   | 1,282     | 2,648     | 1,487                 | 1,146   |
| Romania -----                  | 29        | 0         | 0                     | 0       |
| Republic of South Africa ----- | 0         | 0         | 0                     | 0       |
| Korea, Republic of -----       | 74,249    | 62,652    | 38,788                | 23,451  |
| Trinidad and Tobago -----      | 15,404    | 16,501    | 10,183                | 17,389  |
| Venezuela -----                | 19,962    | 10,391    | 4,735                 | 13,660  |
| Yugoslavia -----               | 0         | 0         | 0                     | 0       |
| Total-----                     | 607,783   | 623,268   | 318,678               | 249,350 |
| Other countries:               |           |           |                       |         |
| Canada -----                   | 429,634   | 398,631   | 228,019               | 180,817 |
| Turkey -----                   | 102,560   | 109,153   | 98,673                | 14,362  |
| Argentina -----                | 50,982    | 48,289    | 20,805                | 14,369  |
| Norway -----                   | 36,346    | 30,234    | 11,995                | 0       |
| Singapore -----                | 19,311    | 20,159    | 6,237                 | 1,861   |
| Taiwan -----                   | 32,265    | 11,752    | 11,068                | 369     |
| India -----                    | 11,249    | 10,492    | 4,870                 | 7,145   |
| Sweden -----                   | 9,099     | 3,385     | 2,289                 | 2,264   |
| Indonesia -----                | 54,015    | 3,133     | 3,133                 | 4,257   |
| Dominican Republic -----       | 0         | 3,112     | 0                     | 0       |
| All others-----                | 7,867     | 2,699     | 1,541                 | 1,096   |
| Total-----                     | 753,328   | 641,039   | 388,630               | 226,540 |
| Grand total-----               | 1,361,111 | 1,264,307 | 707,308               | 475,890 |

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy 1/ steel bars and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June |         |
|--------------------------------|---------|---------|---------------|---------|
|                                |         |         | 1989          | 1990    |
|                                |         |         |               |         |
| Value (thousand dollars)       |         |         |               |         |
| VRA countries:                 |         |         |               |         |
| Australia -----                | 332     | 669     | 11            | 32      |
| Austria -----                  | 667     | 1,024   | 575           | 523     |
| Brazil -----                   | 29,058  | 22,335  | 12,134        | 11,770  |
| Czechoslovakia -----           | 0       | 0       | 0             | 0       |
| East Germany -----             | 0       | 0       | 0             | 0       |
| EC countries-----              | 133,388 | 169,448 | 79,760        | 61,196  |
| Finland -----                  | 2,705   | 3,241   | 1,579         | 1,802   |
| Hungary -----                  | 63      | 0       | 0             | 0       |
| Japan -----                    | 49,339  | 73,081  | 38,856        | 27,312  |
| Mexico -----                   | 8,588   | 5,814   | 2,337         | 1,922   |
| Peoples Rep of China -----     | 1,314   | 1,526   | 482           | 1,111   |
| Poland -----                   | 845     | 1,517   | 832           | 705     |
| Romania -----                  | 103     | 0       | 0             | 0       |
| Republic of South Africa ----- | 0       | 0       | 0             | 0       |
| Korea, Republic of -----       | 20,439  | 19,087  | 11,446        | 7,747   |
| Trinidad and Tobago -----      | 3,968   | 5,232   | 3,290         | 4,743   |
| Venezuela -----                | 5,392   | 3,868   | 1,420         | 4,338   |
| Yugoslavia -----               | 0       | 0       | 0             | 0       |
| Total-----                     | 256,201 | 306,842 | 152,722       | 123,201 |
| Other countries:               |         |         |               |         |
| Canada -----                   | 186,448 | 173,249 | 98,560        | 79,800  |
| Turkey -----                   | 28,951  | 32,827  | 29,707        | 5,461   |
| Argentina -----                | 16,442  | 18,563  | 8,074         | 5,547   |
| Norway -----                   | 8,963   | 8,213   | 3,268         | 0       |
| Singapore -----                | 5,104   | 7,950   | 2,595         | 536     |
| Taiwan -----                   | 10,022  | 4,724   | 4,350         | 203     |
| India -----                    | 3,952   | 4,650   | 2,095         | 3,526   |
| Sweden -----                   | 5,737   | 3,160   | 1,959         | 3,523   |
| Indonesia -----                | 14,691  | 862     | 862           | 1,198   |
| Dominican Republic -----       | 0       | 821     | 0             | 0       |
| All others-----                | 2,726   | 1,257   | 647           | 672     |
| Total-----                     | 283,036 | 256,276 | 152,117       | 100,466 |
| Grand total-----               | 539,237 | 563,118 | 304,839       | 223,667 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988      | 1989      | January--June |         |
|--------------------------------|-----------|-----------|---------------|---------|
|                                |           |           | 1989          | 1990    |
| Quantity (short tons)          |           |           |               |         |
| VRA countries:                 |           |           |               |         |
| Australia -----                | 9,551     | 10,783    | 8,916         | 6,376   |
| Austria -----                  | 601       | 1,108     | 1,108         | 0       |
| Brazil -----                   | 58,383    | 57,858    | 24,486        | 27,840  |
| Czechoslovakia -----           | 13,661    | 2,197     | 0             | 0       |
| East Germany -----             | 16,306    | 12,583    | 6,818         | 7,523   |
| EC countries-----              | 290,286   | 212,925   | 105,931       | 92,986  |
| Finland -----                  | 2,237     | 108       | 108           | 0       |
| Hungary -----                  | 0         | 67        | 67            | 0       |
| Japan -----                    | 276,003   | 201,891   | 108,632       | 89,289  |
| Mexico -----                   | 58,389    | 32,373    | 16,146        | 21,455  |
| Peoples Rep of China -----     | 27        | 25        | 25            | 0       |
| Poland -----                   | 7,606     | 0         | 0             | 0       |
| Romania -----                  | 0         | 0         | 0             | 0       |
| Republic of South Africa ----- | 0         | 0         | 0             | 0       |
| Korea, Republic of -----       | 875       | 176       | 176           | 2       |
| Trinidad and Tobago -----      | 11,312    | 29,203    | 5,070         | 19,596  |
| Venezuela -----                | 8,916     | 2,065     | 335           | 8,763   |
| Yugoslavia -----               | 0         | 0         | 0             | 0       |
| Total-----                     | 754,153   | 563,362   | 277,818       | 273,830 |
| Other countries:               |           |           |               |         |
| Canada -----                   | 360,096   | 400,938   | 210,643       | 218,290 |
| Turkey -----                   | 126,791   | 75,596    | 0             | 45,210  |
| Indonesia -----                | 84,414    | 29,923    | 24,510        | 0       |
| Singapore -----                | 81,904    | 29,776    | 18,847        | 5,197   |
| Sweden -----                   | 18,464    | 15,095    | 8,856         | 3,156   |
| Taiwan -----                   | 16,843    | 10,071    | 7,695         | 772     |
| Egypt -----                    | 11,114    | 3,157     | 23            | 0       |
| Argentina -----                | 0         | 276       | 77            | 877     |
| United Arab Emirates -----     | 0         | 179       | 179           | 0       |
| India -----                    | 0         | 22        | 22            | 0       |
| All others-----                | 20,843    | 19        | 0             | 0       |
| Total-----                     | 720,469   | 565,052   | 270,852       | 273,502 |
| Grand total-----               | 1,474,622 | 1,128,414 | 548,670       | 547,332 |

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy 1/ steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988    | 1989    | January--June |         |
|-------------------------------|---------|---------|---------------|---------|
|                               |         |         | 1989          | 1990    |
| Value (thousand dollars)      |         |         |               |         |
| VRA countries:                |         |         |               |         |
| Australia -----               | 2,103   | 2,439   | 1,951         | 1,665   |
| Austria -----                 | 248     | 297     | 297           | 0       |
| Brazil -----                  | 16,380  | 16,652  | 6,757         | 7,410   |
| Czechoslovakia -----          | 3,234   | 549     | 0             | 0       |
| East Germany -----            | 3,547   | 3,014   | 1,627         | 1,754   |
| EC countries-----             | 109,528 | 82,681  | 41,048        | 32,897  |
| Finland -----                 | 741     | 35      | 35            | 0       |
| Hungary -----                 | 0       | 30      | 30            | 0       |
| Japan -----                   | 124,039 | 96,067  | 51,322        | 41,136  |
| Mexico -----                  | 15,344  | 8,234   | 4,013         | 5,809   |
| Peoples Rep of China -----    | 9       | 7       | 7             | 0       |
| Poland -----                  | 1,612   | 0       | 0             | 0       |
| Romania -----                 | 0       | 0       | 0             | 0       |
| Republic of South Africa ---- | 0       | 0       | 0             | 0       |
| Korea, Republic of -----      | 389     | 112     | 112           | 1       |
| Trinidad and Tobago -----     | 3,293   | 8,770   | 1,472         | 5,539   |
| Venezuela -----               | 2,000   | 594     | 88            | 2,207   |
| Yugoslavia -----              | 0       | 0       | 0             | 0       |
| Total-----                    | 282,467 | 219,481 | 108,759       | 98,418  |
| Other countries:              |         |         |               |         |
| Canada -----                  | 130,836 | 145,073 | 75,867        | 77,735  |
| Turkey -----                  | 32,337  | 20,896  | 0             | 11,652  |
| Indonesia -----               | 20,363  | 8,363   | 6,724         | 0       |
| Singapore -----               | 21,983  | 9,390   | 6,148         | 1,678   |
| Sweden -----                  | 9,831   | 12,842  | 7,291         | 2,840   |
| Taiwan -----                  | 6,764   | 4,247   | 3,267         | 290     |
| Egypt -----                   | 2,650   | 920     | 7             | 0       |
| Argentina -----               | 0       | 137     | 38            | 378     |
| United Arab Emirates -----    | 0       | 149     | 149           | 0       |
| India -----                   | 0       | 11      | 11            | 0       |
| All others-----               | 4,578   | 6       | 0             | 0       |
| Total-----                    | 229,342 | 202,034 | 99,502        | 94,573  |
| Grand total-----              | 511,809 | 421,515 | 208,261       | 192,991 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 15.--Carbon and certain alloy 1/ steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988    | 1989    | January--June |         |
|-------------------------------|---------|---------|---------------|---------|
|                               |         |         | 1989          | 1990    |
| Quantity (short tons)         |         |         |               |         |
| VRA countries:                |         |         |               |         |
| Australia -----               | 4,488   | 4,189   | 2,097         | 2,405   |
| Austria -----                 | 1,731   | 1,782   | 905           | 707     |
| Brazil -----                  | 14,128  | 9,397   | 6,717         | 4,583   |
| Czechoslovakia -----          | 0       | 24      | 24            | 0       |
| East Germany -----            | 0       | 0       | 0             | 0       |
| EC countries-----             | 168,480 | 139,816 | 78,343        | 60,045  |
| Finland -----                 | 476     | 368     | 59            | 544     |
| Hungary -----                 | 0       | 0       | 0             | 0       |
| Japan -----                   | 78,468  | 67,924  | 37,138        | 33,685  |
| Mexico -----                  | 2,712   | 1,407   | 619           | 1,368   |
| Peoples Rep of China -----    | 9,720   | 12,165  | 5,370         | 5,181   |
| Poland -----                  | 116     | 201     | 74            | 44      |
| Romania -----                 | 0       | 0       | 0             | 0       |
| Republic of South Africa ---- | 0       | 0       | 0             | 0       |
| Korea, Republic of -----      | 7,736   | 7,512   | 3,266         | 2,467   |
| Trinidad and Tobago -----     | 1,060   | 0       | 0             | 0       |
| Venezuela -----               | 5,996   | 5,906   | 1,629         | 2,686   |
| Yugoslavia -----              | 3       | 0       | 0             | 0       |
| Total-----                    | 295,114 | 250,691 | 136,241       | 113,715 |
| Other countries:              |         |         |               |         |
| Canada -----                  | 193,243 | 183,779 | 100,005       | 96,082  |
| Argentina -----               | 2,491   | 11,276  | 4,321         | 6,597   |
| Sweden -----                  | 7,532   | 7,601   | 3,766         | 3,660   |
| India -----                   | 4,108   | 5,266   | 2,919         | 3,467   |
| Chile -----                   | 2,146   | 3,630   | 1,445         | 556     |
| Taiwan -----                  | 4,897   | 3,548   | 1,763         | 3,231   |
| Ecuador -----                 | 1,430   | 2,134   | 1,272         | 118     |
| Switzerland -----             | 2,591   | 1,653   | 1,256         | 415     |
| Norway -----                  | 1,312   | 1,328   | 465           | 976     |
| Hong Kong -----               | 9       | 763     | 763           | 2/      |
| All others-----               | 4,856   | 1,315   | 642           | 597     |
| Total-----                    | 224,615 | 222,293 | 118,617       | 115,699 |
| Grand total-----              | 519,729 | 472,984 | 254,858       | 229,414 |

See footnote(s) at end of table.

Table 15.--Carbon and certain alloy <sup>1/</sup> steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June            |         |
|--------------------------------|---------|---------|--------------------------|---------|
|                                |         |         | 1989                     | 1990    |
|                                |         |         | Value (thousand dollars) |         |
| VRA countries:                 |         |         |                          |         |
| Australia -----                | 2,018   | 1,844   | 945                      | 1,003   |
| Austria -----                  | 2,584   | 2,976   | 1,367                    | 1,464   |
| Brazil -----                   | 6,207   | 5,122   | 3,570                    | 2,369   |
| Czechoslovakia -----           | 0       | 16      | 16                       | 0       |
| East Germany -----             | 0       | 0       | 0                        | 0       |
| EC countries-----              | 141,210 | 126,019 | 70,923                   | 57,535  |
| Finland -----                  | 231     | 198     | 17                       | 328     |
| Hungary -----                  | 0       | 0       | 0                        | 0       |
| Japan -----                    | 61,637  | 57,930  | 31,122                   | 29,695  |
| Mexico -----                   | 1,320   | 914     | 375                      | 845     |
| Peoples Rep of China -----     | 4,165   | 5,530   | 2,366                    | 2,350   |
| Poland -----                   | 59      | 129     | 39                       | 32      |
| Romania -----                  | 0       | 0       | 0                        | 0       |
| Republic of South Africa ----- | 0       | 0       | 0                        | 0       |
| Korea, Republic of -----       | 4,667   | 4,890   | 2,031                    | 1,747   |
| Trinidad and Tobago -----      | 354     | 0       | 0                        | 0       |
| Venezuela -----                | 3,096   | 3,410   | 1,040                    | 1,458   |
| Yugoslavia -----               | 9       | 0       | 0                        | 0       |
| Total-----                     | 227,557 | 208,978 | 113,811                  | 98,826  |
| Other countries:               |         |         |                          |         |
| Canada -----                   | 109,405 | 112,002 | 59,594                   | 59,212  |
| Argentina -----                | 1,245   | 5,051   | 1,911                    | 2,940   |
| Sweden -----                   | 10,678  | 9,482   | 5,147                    | 4,443   |
| India -----                    | 1,518   | 1,974   | 1,070                    | 1,283   |
| Chile -----                    | 946     | 2,041   | 786                      | 344     |
| Taiwan -----                   | 2,903   | 3,186   | 1,613                    | 2,180   |
| Ecuador -----                  | 652     | 1,059   | 625                      | 62      |
| Switzerland -----              | 1,525   | 1,062   | 815                      | 258     |
| Norway -----                   | 1,177   | 1,095   | 368                      | 761     |
| Hong Kong -----                | 2       | 346     | 346                      | 2       |
| All others-----                | 1,291   | 726     | 360                      | 205     |
| Total-----                     | 131,342 | 138,024 | 72,635                   | 71,690  |
| Grand total-----               | 358,899 | 347,002 | 186,446                  | 170,516 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 16.--Carbon and certain alloy 1/ steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988    | 1989    | January--June |         |
|--------------------------------|---------|---------|---------------|---------|
|                                |         |         | 1989          | 1990    |
| Quantity (short tons)          |         |         |               |         |
| VRA countries:                 |         |         |               |         |
| Australia -----                | 5       | 20      | 0             | 5       |
| Austria -----                  | 956     | 4,043   | 2,110         | 1,800   |
| Brazil -----                   | 15,018  | 10,401  | 6,617         | 6,953   |
| Czechoslovakia -----           | 0       | 0       | 0             | 0       |
| East Germany -----             | 0       | 0       | 0             | 0       |
| EC countries-----              | 38,365  | 86,677  | 45,125        | 43,628  |
| Finland -----                  | 1       | 51      | 2/            | 2/      |
| Hungary -----                  | 0       | 42      | 0             | 18      |
| Japan -----                    | 23,536  | 52,650  | 25,312        | 30,226  |
| Mexico -----                   | 13,693  | 24,461  | 13,597        | 16,541  |
| Peoples Rep of China -----     | 36,866  | 42,981  | 19,592        | 24,250  |
| Poland -----                   | 16,070  | 15,255  | 6,740         | 5,697   |
| Romania -----                  | 143     | 0       | 0             | 0       |
| Republic of South Africa ----- | 1,550   | 730     | 394           | 0       |
| Korea, Republic of -----       | 192,127 | 178,804 | 82,858        | 100,945 |
| Trinidad and Tobago -----      | 94      | 0       | 0             | 274     |
| Venezuela -----                | 1,352   | 16,639  | 8,502         | 5,970   |
| Yugoslavia -----               | 7,314   | 5,961   | 2,911         | 3,134   |
| Total-----                     | 347,090 | 438,715 | 213,758       | 239,441 |
| Other countries:               |         |         |               |         |
| Canada -----                   | 98,251  | 114,763 | 57,694        | 63,966  |
| Indonesia -----                | 18,621  | 27,489  | 10,683        | 16,873  |
| Thailand -----                 | 8,627   | 20,808  | 11,471        | 3,883   |
| Taiwan -----                   | 13,715  | 17,331  | 8,379         | 7,925   |
| Argentina -----                | 18,002  | 16,702  | 8,960         | 8,222   |
| United Arab Emirates -----     | 20,059  | 14,854  | 8,528         | 6,413   |
| Turkey -----                   | 23,631  | 10,713  | 5,249         | 8,177   |
| Saudi Arabia -----             | 3,718   | 8,784   | 3,915         | 3,704   |
| Chile -----                    | 8,459   | 8,642   | 3,304         | 3,766   |
| India -----                    | 4,571   | 8,233   | 3,867         | 3,219   |
| All others-----                | 7,707   | 16,568  | 6,628         | 9,888   |
| Total-----                     | 225,361 | 264,887 | 128,678       | 136,036 |
| Grand total-----               | 572,451 | 703,602 | 342,436       | 375,477 |

See footnote(s) at end of table.

Table 16.--Carbon and certain alloy <sup>1/</sup> steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June |         |
|--------------------------------|---------|---------|---------------|---------|
|                                |         |         | 1989          | 1990    |
| Value (thousand dollars)       |         |         |               |         |
| VRA countries:                 |         |         |               |         |
| Australia -----                | 20      | 37      | 0             | 23      |
| Austria -----                  | 1,556   | 8,634   | 4,609         | 4,701   |
| Brazil -----                   | 7,169   | 6,038   | 3,675         | 3,754   |
| Czechoslovakia -----           | 0       | 0       | 0             | 0       |
| East Germany -----             | 0       | 0       | 0             | 0       |
| EC countries-----              | 33,725  | 135,555 | 66,913        | 81,094  |
| Finland -----                  | 96      | 67      | 4             | 6       |
| Hungary -----                  | 0       | 23      | 0             | 7       |
| Japan -----                    | 28,992  | 97,473  | 46,754        | 54,409  |
| Mexico -----                   | 8,903   | 17,781  | 9,212         | 13,321  |
| Peoples Rep of China -----     | 14,640  | 25,832  | 11,669        | 13,643  |
| Poland -----                   | 5,403   | 5,354   | 2,291         | 2,199   |
| Romania -----                  | 44      | 0       | 0             | 0       |
| Republic of South Africa ----- | 792     | 558     | 323           | 0       |
| Korea, Republic of -----       | 138,561 | 158,567 | 71,795        | 87,775  |
| Trinidad and Tobago -----      | 27      | 0       | 0             | 107     |
| Venezuela -----                | 387     | 5,224   | 2,619         | 2,287   |
| Yugoslavia -----               | 3,027   | 2,456   | 1,202         | 1,205   |
| Total-----                     | 243,342 | 463,599 | 221,066       | 264,531 |
| Other countries:               |         |         |               |         |
| Canada -----                   | 70,198  | 93,747  | 46,745        | 52,168  |
| Indonesia -----                | 6,881   | 11,595  | 4,745         | 7,408   |
| Thailand -----                 | 5,332   | 9,521   | 4,632         | 2,289   |
| Taiwan -----                   | 12,448  | 19,677  | 9,582         | 8,622   |
| Argentina -----                | 7,943   | 8,930   | 4,624         | 4,372   |
| United Arab Emirates -----     | 7,562   | 5,992   | 3,343         | 3,380   |
| Turkey -----                   | 8,700   | 5,485   | 2,753         | 4,447   |
| Saudi Arabia -----             | 1,239   | 3,255   | 1,419         | 1,565   |
| Chile -----                    | 3,991   | 4,476   | 1,778         | 2,119   |
| India -----                    | 2,659   | 5,467   | 2,691         | 2,261   |
| All others-----                | 6,778   | 21,186  | 9,990         | 11,274  |
| Total-----                     | 133,731 | 189,331 | 92,302        | 99,905  |
| Grand total-----               | 377,073 | 652,930 | 313,368       | 364,436 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 17.--Carbon and certain alloy  $\frac{1}{2}$  steel structural shapes and units: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988      | 1989      | January--June         |         |
|-------------------------------|-----------|-----------|-----------------------|---------|
|                               |           |           | 1989                  | 1990    |
|                               |           |           | Quantity (short tons) |         |
| VRA countries:                |           |           |                       |         |
| Australia -----               | 139       | 312       | 277                   | 2/      |
| Austria -----                 | 1,541     | 684       | 274                   | 152     |
| Brazil -----                  | 20,210    | 11,638    | 5,745                 | 2,722   |
| Czechoslovakia -----          | 0         | 0         | 0                     | 0       |
| East Germany -----            | 0         | 92        | 0                     | 0       |
| EC countries-----             | 903,438   | 790,065   | 439,925               | 270,248 |
| Finland -----                 | 118       | 2,669     | 2,373                 | 2/      |
| Hungary -----                 | 0         | 0         | 0                     | 0       |
| Japan -----                   | 590,217   | 373,632   | 265,165               | 64,969  |
| Mexico -----                  | 24,912    | 17,588    | 7,660                 | 16,387  |
| Peoples Rep of China -----    | 208       | 874       | 334                   | 804     |
| Poland -----                  | 14,059    | 20,441    | 7,816                 | 3,818   |
| Romania -----                 | 19        | 168       | 68                    | 38      |
| Republic of South Africa ---- | 143       | 0         | 0                     | 0       |
| Korea, Republic of -----      | 169,302   | 81,616    | 58,990                | 1,920   |
| Trinidad and Tobago -----     | 0         | 120       | 11                    | 606     |
| Venezuela -----               | 2/        | 112       | 43                    | 84      |
| Yugoslavia -----              | 263       | 0         | 0                     | 0       |
| Total-----                    | 1,724,569 | 1,300,011 | 788,681               | 361,748 |
| Other countries:              |           |           |                       |         |
| Canada -----                  | 338,187   | 249,815   | 131,858               | 149,513 |
| Norway -----                  | 64,361    | 31,897    | 23,550                | 2/      |
| Argentina -----               | 27,523    | 30,494    | 17,064                | 4,825   |
| New Zealand -----             | 8,242     | 8,945     | 4,470                 | 1,197   |
| Taiwan -----                  | 9,020     | 6,899     | 3,859                 | 3,655   |
| Mauritius -----               | 0         | 4,723     | 0                     | 0       |
| Indonesia -----               | 4,074     | 3,269     | 3,251                 | 45      |
| India -----                   | 459       | 1,743     | 493                   | 342     |
| Singapore -----               | 3,129     | 1,102     | 514                   | 3,116   |
| Sweden -----                  | 3,925     | 991       | 757                   | 990     |
| All others-----               | 4,979     | 474       | 272                   | 506     |
| Total-----                    | 463,899   | 340,352   | 186,088               | 164,189 |
| Grand total-----              | 2,188,468 | 1,640,363 | 974,769               | 525,937 |

See footnote(s) at end of table.

Table 17.--Carbon and certain alloy <sup>1/</sup> steel structural shapes and units: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June |         |
|--------------------------------|---------|---------|---------------|---------|
|                                |         |         | 1989          | 1990    |
| Value (thousand dollars)       |         |         |               |         |
| VRA countries:                 |         |         |               |         |
| Australia -----                | 135     | 902     | 862           | 19      |
| Austria -----                  | 1,865   | 1,780   | 850           | 713     |
| Brazil -----                   | 8,055   | 5,564   | 2,286         | 1,985   |
| Czechoslovakia -----           | 0       | 0       | 0             | 0       |
| East Germany -----             | 0       | 28      | 0             | 0       |
| EC countries-----              | 356,905 | 308,492 | 171,239       | 103,189 |
| Finland -----                  | 248     | 4,129   | 2,837         | 3       |
| Hungary -----                  | 0       | 0       | 0             | 0       |
| Japan -----                    | 228,010 | 159,837 | 106,957       | 31,658  |
| Mexico -----                   | 11,585  | 8,817   | 3,815         | 12,525  |
| Peoples Rep of China -----     | 154     | 669     | 256           | 599     |
| Poland -----                   | 3,587   | 6,446   | 2,280         | 1,060   |
| Romania -----                  | 11      | 73      | 29            | 14      |
| Republic of South Africa ----- | 694     | 0       | 0             | 0       |
| Korea, Republic of -----       | 84,018  | 43,704  | 24,566        | 1,677   |
| Trinidad and Tobago -----      | 0       | 63      | 32            | 166     |
| Venezuela -----                | 1       | 83      | 13            | 27      |
| Yugoslavia -----               | 393     | 0       | 0             | 0       |
| Total-----                     | 695,661 | 540,587 | 316,022       | 153,635 |
| Other countries:               |         |         |               |         |
| Canada -----                   | 201,529 | 154,010 | 82,401        | 82,515  |
| Norway -----                   | 21,943  | 10,401  | 7,448         | 5       |
| Argentina -----                | 7,274   | 10,137  | 4,858         | 1,760   |
| New Zealand -----              | 8,814   | 10,505  | 5,065         | 1,464   |
| Taiwan -----                   | 5,476   | 6,383   | 3,625         | 2,986   |
| Mauritius -----                | 0       | 1,521   | 0             | 0       |
| Indonesia -----                | 1,173   | 971     | 951           | 20      |
| India -----                    | 371     | 1,195   | 310           | 288     |
| Singapore -----                | 2,903   | 1,013   | 275           | 3,910   |
| Sweden -----                   | 5,413   | 2,805   | 2,072         | 2,149   |
| All others-----                | 4,246   | 1,402   | 1,152         | 1,369   |
| Total-----                     | 259,142 | 200,343 | 108,157       | 96,466  |
| Grand total-----               | 954,803 | 740,930 | 424,179       | 250,101 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 18.--Carbon and certain alloy 1/ steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988    | 1989    | January--June         |         |
|-------------------------------|---------|---------|-----------------------|---------|
|                               |         |         | 1989                  | 1990    |
|                               |         |         | Quantity (short tons) |         |
| VRA countries:                |         |         |                       |         |
| Australia -----               | 2       | 3,567   | 1,875                 | 2,358   |
| Austria -----                 | 703     | 5,805   | 2,845                 | 2,715   |
| Brazil -----                  | 4,553   | 2,942   | 1,649                 | 612     |
| Czechoslovakia -----          | 0       | 0       | 0                     | 0       |
| East Germany -----            | 1       | 0       | 0                     | 0       |
| EC countries-----             | 52,358  | 53,518  | 32,335                | 20,469  |
| Finland -----                 | 3       | 0       | 0                     | 1       |
| Hungary -----                 | 4       | 0       | 0                     | 10      |
| Japan -----                   | 79,347  | 83,624  | 52,810                | 52,066  |
| Mexico -----                  | 26      | 380     | 199                   | 32      |
| Peoples Rep of China -----    | 25      | 455     | 427                   | 53      |
| Poland -----                  | 0       | 105     | 105                   | 0       |
| Romania -----                 | 0       | 0       | 0                     | 0       |
| Republic of South Africa ---- | 2/      | 20      | 0                     | 505     |
| Korea, Republic of -----      | 6,919   | 6,670   | 4,852                 | 1,439   |
| Trinidad and Tobago -----     | 0       | 0       | 0                     | 0       |
| Venezuela -----               | 77      | 0       | 0                     | 0       |
| Yugoslavia -----              | 0       | 0       | 0                     | 0       |
| Total-----                    | 144,018 | 157,086 | 97,097                | 80,260  |
| Other countries:              |         |         |                       |         |
| Canada -----                  | 172,077 | 151,966 | 75,204                | 65,352  |
| Soviet Union -----            | 0       | 9,875   | 0                     | 0       |
| Argentina -----               | 6       | 2,579   | 994                   | 2       |
| Sweden -----                  | 3,064   | 876     | 246                   | 294     |
| Taiwan -----                  | 128     | 417     | 255                   | 124     |
| Colombia -----                | 0       | 77      | 37                    | 21      |
| Chile -----                   | 0       | 48      | 4                     | 15      |
| Turkey -----                  | 0       | 22      | 22                    | 86      |
| Israel -----                  | 0       | 20      | 20                    | 0       |
| Honduras -----                | 2/      | 9       | 9                     | 7       |
| All others-----               | 140     | 11      | 4                     | 19      |
| Total-----                    | 175,415 | 165,900 | 76,795                | 65,920  |
| Grand total-----              | 319,433 | 322,986 | 173,892               | 146,180 |

See footnote(s) at end of table.

Table 18.--Carbon and certain alloy <sup>1/</sup> steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June            |        |
|--------------------------------|---------|---------|--------------------------|--------|
|                                |         |         | 1989                     | 1990   |
|                                |         |         | Value (thousand dollars) |        |
| VRA countries:                 |         |         |                          |        |
| Australia -----                | 7       | 3,841   | 2,296                    | 2,348  |
| Austria -----                  | 299     | 3,284   | 1,801                    | 2,156  |
| Brazil -----                   | 3,751   | 2,544   | 1,354                    | 509    |
| Czechoslovakia -----           | 0       | 0       | 0                        | 0      |
| East Germany -----             | 5       | 0       | 0                        | 0      |
| EC countries-----              | 25,214  | 28,589  | 16,018                   | 11,934 |
| Finland -----                  | 14      | 0       | 0                        | 18     |
| Hungary -----                  | 25      | 0       | 0                        | 22     |
| Japan -----                    | 38,835  | 46,028  | 28,374                   | 28,712 |
| Mexico -----                   | 37      | 380     | 190                      | 50     |
| Peoples Rep of China -----     | 9       | 221     | 204                      | 43     |
| Poland -----                   | 0       | 49      | 49                       | 0      |
| Romania -----                  | 0       | 0       | 0                        | 0      |
| Republic of South Africa ----- | 1       | 14      | 0                        | 383    |
| Korea, Republic of -----       | 2,580   | 3,408   | 2,379                    | 915    |
| Trinidad and Tobago -----      | 0       | 0       | 0                        | 0      |
| Venezuela -----                | 24      | 0       | 0                        | 0      |
| Yugoslavia -----               | 0       | 0       | 0                        | 0      |
| Total-----                     | 70,801  | 88,358  | 52,665                   | 47,090 |
| Other countries:               |         |         |                          |        |
| Canada -----                   | 50,140  | 59,757  | 33,244                   | 16,098 |
| Soviet Union -----             | 0       | 1,290   | 0                        | 0      |
| Argentina -----                | 17      | 803     | 311                      | 10     |
| Sweden -----                   | 1,001   | 600     | 220                      | 441    |
| Taiwan -----                   | 294     | 797     | 442                      | 259    |
| Colombia -----                 | 0       | 258     | 124                      | 75     |
| Chile -----                    | 0       | 25      | 3                        | 8      |
| Turkey -----                   | 0       | 13      | 13                       | 58     |
| Israel -----                   | 0       | 25      | 25                       | 0      |
| Honduras -----                 | 2       | 4       | 4                        | 4      |
| All others-----                | 115     | 71      | 41                       | 73     |
| Total-----                     | 51,569  | 63,643  | 34,427                   | 17,026 |
| Grand total-----               | 122,370 | 152,001 | 87,092                   | 64,116 |

<sup>1/</sup> Certain alloy refers to alloy steel other than stainless or tool steel.

<sup>2/</sup> Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988      | 1989      | January--June         |           |
|--------------------------------|-----------|-----------|-----------------------|-----------|
|                                |           |           | 1989                  | 1990      |
|                                |           |           | Quantity (short tons) |           |
| VRA countries:                 |           |           |                       |           |
| Australia -----                | 12,375    | 7,022     | 4,164                 | 3,791     |
| Austria -----                  | 26,408    | 17,756    | 2,326                 | 19,919    |
| Brazil -----                   | 87,724    | 64,098    | 36,095                | 37,836    |
| Czechoslovakia -----           | 7,164     | 6,156     | 960                   | 1,577     |
| East Germany -----             | 7,828     | 6,520     | 3,309                 | 1,312     |
| EC countries -----             | 488,108   | 504,008   | 232,165               | 329,826   |
| Finland -----                  | 12,755    | 6,000     | 5,359                 | 2,557     |
| Hungary -----                  | 585       | 1,109     | 1,072                 | 0         |
| Japan -----                    | 790,770   | 507,942   | 213,336               | 260,861   |
| Mexico -----                   | 131,349   | 138,081   | 52,043                | 69,456    |
| Peoples Rep of China -----     | 18,422    | 973       | 48                    | 0         |
| Poland -----                   | 8,048     | 4,658     | 2,931                 | 2,175     |
| Romania -----                  | 27,284    | 13,778    | 5,543                 | 8,226     |
| Republic of South Africa ----- | 0         | 0         | 0                     | 0         |
| Korea, Republic of -----       | 496,059   | 353,671   | 178,147               | 187,614   |
| Trinidad and Tobago -----      | 0         | 0         | 0                     | 0         |
| Venezuela -----                | 19,510    | 20,192    | 5,782                 | 25,068    |
| Yugoslavia -----               | 3,732     | 2,226     | 1,085                 | 3,964     |
| Total-----                     | 2,138,121 | 1,654,190 | 744,365               | 954,182   |
| Other countries:               |           |           |                       |           |
| Canada -----                   | 436,372   | 451,459   | 249,909               | 216,510   |
| Argentina -----                | 148,192   | 89,608    | 19,730                | 44,274    |
| Taiwan -----                   | 88,055    | 60,719    | 33,253                | 34,394    |
| Thailand -----                 | 148,259   | 34,384    | 27,176                | 0         |
| Singapore -----                | 47,545    | 27,492    | 14,761                | 9,845     |
| India -----                    | 44,486    | 25,404    | 14,816                | 10,787    |
| Sweden -----                   | 26,842    | 21,424    | 10,926                | 10,364    |
| Turkey -----                   | 32,001    | 16,107    | 12,277                | 2,857     |
| Algeria -----                  | 21,502    | 9,430     | 5,826                 | 1,228     |
| Israel -----                   | 12,714    | 9,397     | 4,431                 | 10,175    |
| All others-----                | 105,850   | 35,930    | 21,927                | 11,815    |
| Total-----                     | 1,111,818 | 781,354   | 415,032               | 352,249   |
| Grand total-----               | 3,249,939 | 2,435,544 | 1,159,397             | 1,306,431 |

See footnote(s) at end of table.

Table 19.--Carbon and certain alloy 1/ steel pipe and tube: U.S. imports for U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988      | 1989      | January--June |         |
|-------------------------------|-----------|-----------|---------------|---------|
|                               |           |           | 1989          | 1990    |
| Value (thousand dollars)      |           |           |               |         |
| VRA countries:                |           |           |               |         |
| Australia -----               | 4,959     | 3,151     | 1,903         | 1,903   |
| Austria -----                 | 23,494    | 13,811    | 2,440         | 11,507  |
| Brazil -----                  | 41,170    | 36,362    | 19,615        | 15,369  |
| Czechoslovakia -----          | 3,472     | 2,779     | 541           | 605     |
| East Germany -----            | 4,115     | 2,763     | 1,391         | 532     |
| EC countries-----             | 346,165   | 330,377   | 160,475       | 195,223 |
| Finland -----                 | 5,624     | 2,987     | 2,589         | 1,315   |
| Hungary -----                 | 266       | 517       | 458           | 0       |
| Japan -----                   | 597,887   | 378,193   | 170,563       | 175,624 |
| Mexico -----                  | 71,872    | 74,372    | 29,183        | 35,785  |
| Peoples Rep of China -----    | 7,066     | 360       | 32            | 0       |
| Poland -----                  | 3,115     | 2,105     | 1,253         | 950     |
| Romania -----                 | 11,018    | 5,411     | 2,101         | 3,047   |
| Republic of South Africa ---- | 0         | 0         | 0             | 0       |
| Korea, Republic of -----      | 239,742   | 176,982   | 88,239        | 89,630  |
| Trinidad and Tobago -----     | 0         | 0         | 0             | 0       |
| Venezuela -----               | 7,535     | 8,737     | 2,427         | 10,422  |
| Yugoslavia -----              | 2,036     | 946       | 464           | 1,711   |
| Total-----                    | 1,369,536 | 1,039,853 | 483,674       | 543,623 |
| Other countries:              |           |           |               |         |
| Canada -----                  | 266,692   | 281,447   | 155,561       | 132,571 |
| Argentina -----               | 76,641    | 51,423    | 10,937        | 26,484  |
| Taiwan -----                  | 39,591    | 28,827    | 16,275        | 15,559  |
| Thailand -----                | 58,119    | 14,718    | 11,743        | 0       |
| Singapore -----               | 19,833    | 13,215    | 7,263         | 4,493   |
| India -----                   | 20,173    | 11,846    | 6,726         | 4,232   |
| Sweden -----                  | 23,510    | 23,653    | 11,855        | 12,342  |
| Turkey -----                  | 14,568    | 6,678     | 4,982         | 1,301   |
| Algeria -----                 | 5,957     | 2,531     | 1,384         | 452     |
| Israel -----                  | 6,218     | 4,759     | 2,206         | 4,711   |
| All others-----               | 48,029    | 17,951    | 10,857        | 6,427   |
| Total-----                    | 579,331   | 457,048   | 239,789       | 208,572 |
| Grand total-----              | 1,948,867 | 1,496,901 | 723,463       | 752,195 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988       | 1989       | January--June         |           |
|--------------------------------|------------|------------|-----------------------|-----------|
|                                |            |            | 1989                  | 1990      |
|                                |            |            | Quantity (short tons) |           |
| VRA countries:                 |            |            |                       |           |
| Australia -----                | 282,061    | 274,550    | 160,838               | 130,473   |
| Austria -----                  | 134,200    | 82,507     | 30,024                | 46,523    |
| Brazil -----                   | 1,468,033  | 1,382,924  | 754,800               | 581,008   |
| Czechoslovakia -----           | 37,280     | 25,660     | 1,834                 | 1,577     |
| East Germany -----             | 92,234     | 55,867     | 30,912                | 30,455    |
| EC countries-----              | 6,147,884  | 5,530,746  | 2,598,812             | 2,287,506 |
| Finland -----                  | 204,209    | 213,588    | 121,040               | 116,088   |
| Hungary -----                  | 30,094     | 28,420     | 13,013                | 10,695    |
| Japan -----                    | 4,277,647  | 3,602,047  | 1,882,627             | 1,521,467 |
| Mexico -----                   | 478,207    | 451,951    | 169,085               | 324,191   |
| Peoples Rep of China -----     | 68,735     | 61,850     | 27,209                | 32,684    |
| Poland -----                   | 89,325     | 72,268     | 32,198                | 15,467    |
| Romania -----                  | 102,530    | 49,436     | 22,046                | 10,489    |
| Republic of South Africa ----- | 1,693      | 756        | 394                   | 505       |
| Korea, Republic of -----       | 1,560,497  | 1,178,972  | 577,494               | 696,840   |
| Trinidad and Tobago -----      | 31,380     | 48,028     | 15,264                | 37,865    |
| Venezuela -----                | 169,376    | 173,574    | 37,320                | 78,693    |
| Yugoslavia -----               | 12,734     | 8,219      | 4,007                 | 12,167    |
| Total-----                     | 15,188,119 | 13,241,363 | 6,478,917             | 5,934,693 |
| Other countries:               |            |            |                       |           |
| Canada -----                   | 3,373,766  | 3,159,739  | 1,681,042             | 1,637,203 |
| Argentina -----                | 557,969    | 227,661    | 76,816                | 96,933    |
| Sweden -----                   | 522,294    | 212,323    | 144,794               | 90,457    |
| Turkey -----                   | 307,985    | 211,804    | 116,427               | 70,711    |
| Taiwan -----                   | 243,886    | 159,725    | 85,480                | 102,785   |
| India -----                    | 99,714     | 104,994    | 62,296                | 39,592    |
| Norway -----                   | 181,502    | 90,181     | 51,560                | 9,543     |
| Singapore -----                | 153,163    | 78,598     | 40,408                | 20,018    |
| New Zealand -----              | 88,979     | 78,564     | 51,723                | 44,079    |
| Indonesia -----                | 281,142    | 69,342     | 46,702                | 21,858    |
| All others-----                | 512,272    | 191,835    | 100,973               | 59,303    |
| Total-----                     | 6,322,672  | 4,584,766  | 2,458,221             | 2,192,482 |
| Grand total-----               | 21,510,791 | 17,826,129 | 8,937,138             | 8,127,175 |

See footnote(s) at end of table.

Table 20. Total, carbon and certain 1/ alloy steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988                     | 1989      | January--June |           |
|-------------------------------|--------------------------|-----------|---------------|-----------|
|                               |                          |           | 1989          | 1990      |
|                               | Value (thousand dollars) |           |               |           |
| VRA countries:                |                          |           |               |           |
| Australia -----               | 118,320                  | 126,499   | 67,212        | 48,110    |
| Austria -----                 | 70,268                   | 52,952    | 20,527        | 29,650    |
| Brazil -----                  | 451,458                  | 455,362   | 248,194       | 156,870   |
| Czechoslovakia -----          | 11,986                   | 8,844     | 795           | 605       |
| East Germany -----            | 31,334                   | 18,908    | 10,337        | 9,520     |
| EC countries-----             | 2,702,007                | 2,591,992 | 1,238,352     | 1,071,039 |
| Finland -----                 | 81,482                   | 83,209    | 48,193        | 40,363    |
| Hungary -----                 | 8,600                    | 9,155     | 4,145         | 3,291     |
| Japan -----                   | 2,386,680                | 2,160,017 | 1,097,752     | 955,927   |
| Mexico -----                  | 220,745                  | 216,702   | 86,131        | 146,329   |
| Peoples Rep of China -----    | 27,385                   | 34,364    | 15,031        | 17,896    |
| Poland -----                  | 29,711                   | 25,514    | 11,207        | 5,791     |
| Romania -----                 | 36,033                   | 17,347    | 7,754         | 3,769     |
| Republic of South Africa ---- | 1,487                    | 590       | 323           | 383       |
| Korea, Republic of -----      | 743,129                  | 604,322   | 278,235       | 348,604   |
| Trinidad and Tobago -----     | 8,400                    | 14,695    | 4,794         | 10,554    |
| Venezuela -----               | 53,667                   | 61,595    | 14,175        | 30,043    |
| Yugoslavia -----              | 5,925                    | 3,419     | 1,672         | 4,990     |
| Total-----                    | 6,988,617                | 6,485,486 | 3,154,829     | 2,883,734 |
| Other countries:              |                          |           |               |           |
| Canada -----                  | 1,593,962                | 1,559,576 | 838,183       | 770,674   |
| Argentina -----               | 221,780                  | 109,850   | 32,823        | 47,991    |
| Sweden -----                  | 221,486                  | 141,425   | 86,081        | 67,379    |
| Turkey -----                  | 93,038                   | 65,996    | 37,549        | 22,934    |
| Taiwan -----                  | 109,041                  | 90,727    | 47,505        | 56,674    |
| India -----                   | 42,731                   | 42,851    | 23,783        | 16,749    |
| Norway -----                  | 55,371                   | 33,914    | 18,581        | 6,398     |
| Singapore -----               | 50,360                   | 31,647    | 16,347        | 10,618    |
| New Zealand -----             | 35,993                   | 41,302    | 25,096        | 19,659    |
| Indonesia -----               | 81,687                   | 24,707    | 15,926        | 8,986     |
| All others-----               | 192,526                  | 89,098    | 46,687        | 33,965    |
| Total-----                    | 2,697,975                | 2,231,093 | 1,188,561     | 1,062,027 |
| Grand total-----              | 9,686,592                | 8,716,579 | 4,343,390     | 3,945,761 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988   | 1989   | January--June         |        |
|--------------------------------|--------|--------|-----------------------|--------|
|                                |        |        | 1989                  | 1990   |
|                                |        |        | Quantity (short tons) |        |
| VRA countries:                 |        |        |                       |        |
| Australia -----                | 0      | 0      | 0                     | 0      |
| Austria -----                  | 73     | 0      | 0                     | 0      |
| Brazil -----                   | 1,683  | 0      | 0                     | 0      |
| Czechoslovakia -----           | 0      | 0      | 0                     | 0      |
| East Germany -----             | 0      | 0      | 0                     | 0      |
| EC countries-----              | 10,624 | 13,995 | 11,225                | 10,537 |
| Finland -----                  | 0      | 0      | 0                     | 0      |
| Hungary -----                  | 0      | 0      | 0                     | 0      |
| Japan -----                    | 1,935  | 698    | 267                   | 280    |
| Mexico -----                   | 0      | 176    | 2                     | 218    |
| Peoples Rep of China -----     | 0      | 0      | 0                     | 0      |
| Poland -----                   | 74     | 293    | 267                   | 42     |
| Romania -----                  | 0      | 0      | 0                     | 0      |
| Republic of South Africa ----- | 0      | 0      | 0                     | 0      |
| Korea, Republic of -----       | 0      | 0      | 0                     | 0      |
| Trinidad and Tobago -----      | 0      | 0      | 0                     | 0      |
| Venezuela -----                | 0      | 0      | 0                     | 0      |
| Yugoslavia -----               | 0      | 0      | 0                     | 0      |
| Total-----                     | 14,389 | 15,162 | 11,761                | 11,077 |
| Other countries:               |        |        |                       |        |
| Canada -----                   | 33,527 | 36,556 | 22,549                | 13,713 |
| Sweden -----                   | 14,491 | 10,403 | 5,693                 | 8,250  |
| Taiwan -----                   | 0      | 1/     | 1/                    | 1/     |
| Israel -----                   | 0      | 1/     | 1/                    | 0      |
| Total-----                     | 48,018 | 46,959 | 28,242                | 21,963 |
| Grand total-----               | 62,407 | 62,121 | 40,003                | 33,040 |

See footnote(s) at end of table.

Table 21.--Stainless semifinished steel: U.S. imports for consumption, by specified sources 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988                     | 1989    | January--June |        |
|--------------------------------|--------------------------|---------|---------------|--------|
|                                |                          |         | 1989          | 1990   |
|                                | Value (thousand dollars) |         |               |        |
| VRA countries:                 |                          |         |               |        |
| Australia -----                | 0                        | 0       | 0             | 0      |
| Austria -----                  | 234                      | 0       | 0             | 0      |
| Brazil -----                   | 542                      | 0       | 0             | 0      |
| Czechoslovakia -----           | 0                        | 0       | 0             | 0      |
| East Germany -----             | 0                        | 0       | 0             | 0      |
| EC countries-----              | 13,120                   | 12,572  | 7,892         | 8,832  |
| Finland -----                  | 0                        | 0       | 0             | 0      |
| Hungary -----                  | 0                        | 0       | 0             | 0      |
| Japan -----                    | 2,906                    | 1,413   | 526           | 451    |
| Mexico -----                   | 0                        | 448     | 8             | 473    |
| Peoples Rep of China -----     | 0                        | 0       | 0             | 0      |
| Poland -----                   | 102                      | 532     | 473           | 95     |
| Romania -----                  | 0                        | 0       | 0             | 0      |
| Republic of South Africa ----- | 0                        | 0       | 0             | 0      |
| Korea, Republic of -----       | 0                        | 0       | 0             | 0      |
| Trinidad and Tobago -----      | 0                        | 0       | 0             | 0      |
| Venezuela -----                | 0                        | 0       | 0             | 0      |
| Yugoslavia -----               | 0                        | 0       | 0             | 0      |
| Total-----                     | 16,904                   | 14,965  | 8,899         | 9,851  |
| Other countries:               |                          |         |               |        |
| Canada -----                   | 52,871                   | 68,918  | 44,039        | 19,672 |
| Sweden -----                   | 23,240                   | 23,075  | 13,735        | 13,451 |
| Taiwan -----                   | 0                        | 16      | 14            | 8      |
| Israel -----                   | 0                        | 5       | 5             | 0      |
| Hong Kong -----                | 0                        | 2       | 2             | 0      |
| Total-----                     | 76,111                   | 92,016  | 57,795        | 33,131 |
| Grand total-----               | 93,015                   | 106,981 | 66,694        | 42,982 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988                  | 1989   | January--June |       |
|--------------------------------|-----------------------|--------|---------------|-------|
|                                |                       |        | 1989          | 1990  |
|                                | Quantity (short tons) |        |               |       |
| VRA countries:                 |                       |        |               |       |
| Australia -----                | 0                     | 0      | 0             | 0     |
| Austria -----                  | 249                   | 197    | 91            | 69    |
| Brazil -----                   | 0                     | 0      | 0             | 0     |
| Czechoslovakia -----           | 0                     | 0      | 0             | 0     |
| East Germany -----             | 0                     | 0      | 0             | 0     |
| EC countries-----              | 7,364                 | 12,024 | 6,433         | 4,455 |
| Finland -----                  | 2,730                 | 1,746  | 959           | 3,635 |
| Hungary -----                  | 0                     | 0      | 0             | 0     |
| Japan -----                    | 2,225                 | 1,542  | 936           | 760   |
| Mexico -----                   | 0                     | 4      | 4             | 0     |
| Peoples Rep of China -----     | 0                     | 0      | 0             | 0     |
| Poland -----                   | 0                     | 0      | 0             | 0     |
| Romania -----                  | 0                     | 0      | 0             | 0     |
| Republic of South Africa ----- | 0                     | 0      | 0             | 0     |
| Korea, Republic of -----       | 125                   | 10     | 5             | 152   |
| Trinidad and Tobago -----      | 0                     | 0      | 0             | 0     |
| Venezuela -----                | 0                     | 0      | 0             | 0     |
| Yugoslavia -----               | 0                     | 0      | 0             | 0     |
| Total-----                     | 12,693                | 15,523 | 8,428         | 9,071 |
| Other countries:               |                       |        |               |       |
| Sweden -----                   | 2,779                 | 2,014  | 1,023         | 652   |
| Canada -----                   | 371                   | 177    | 136           | 61    |
| Anguilla -----                 | 5                     | 0      | 0             | 0     |
| Total-----                     | 3,155                 | 2,191  | 1,159         | 713   |
| Grand total-----               | 15,848                | 17,714 | 9,587         | 9,784 |

Table 22.--Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988   | 1989   | January--June |        |
|-------------------------------|--------|--------|---------------|--------|
|                               |        |        | 1989          | 1990   |
| Value (thousand dollars)      |        |        |               |        |
| VRA countries:                |        |        |               |        |
| Australia -----               | 0      | 0      | 0             | 0      |
| Austria -----                 | 953    | 915    | 443           | 244    |
| Brazil -----                  | 0      | 0      | 0             | 0      |
| Czechoslovakia -----          | 0      | 0      | 0             | 0      |
| East Germany -----            | 0      | 0      | 0             | 0      |
| EC countries-----             | 15,635 | 35,694 | 18,774        | 9,967  |
| Finland -----                 | 6,147  | 4,883  | 2,970         | 7,157  |
| Hungary -----                 | 0      | 0      | 0             | 0      |
| Japan -----                   | 4,514  | 4,544  | 2,627         | 1,876  |
| Mexico -----                  | 0      | 3      | 3             | 0      |
| Peoples Rep of China -----    | 0      | 0      | 0             | 0      |
| Poland -----                  | 0      | 0      | 0             | 0      |
| Romania -----                 | 0      | 0      | 0             | 0      |
| Republic of South Africa ---- | 0      | 0      | 0             | 0      |
| Korea, Republic of -----      | 50     | 24     | 13            | 242    |
| Trinidad and Tobago -----     | 0      | 0      | 0             | 0      |
| Venezuela -----               | 0      | 0      | 0             | 0      |
| Yugoslavia -----              | 0      | 0      | 0             | 0      |
| Total-----                    | 27,299 | 46,063 | 24,830        | 19,486 |
| Other countries:              |        |        |               |        |
| Sweden -----                  | 6,775  | 5,970  | 3,132         | 1,840  |
| Canada -----                  | 889    | 425    | 346           | 112    |
| Anguilla -----                | 9      | 0      | 0             | 0      |
| Total-----                    | 7,673  | 6,395  | 3,478         | 1,952  |
| Grand total-----              | 34,972 | 52,458 | 28,308        | 21,438 |

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988    | 1989    | January--June         |        |
|--------------------------------|---------|---------|-----------------------|--------|
|                                |         |         | 1989                  | 1990   |
|                                |         |         | Quantity (short tons) |        |
| VRA countries:                 |         |         |                       |        |
| Australia -----                | 0       | 9       | 0                     | 0      |
| Austria -----                  | 29      | 16      | 10                    | 3      |
| Brazil -----                   | 313     | 0       | 0                     | 39     |
| Czechoslovakia -----           | 0       | 0       | 0                     | 0      |
| East Germany -----             | 0       | 0       | 0                     | 0      |
| EC countries-----              | 60,758  | 63,478  | 31,021                | 26,108 |
| Finland -----                  | 6,045   | 1,376   | 775                   | 3,958  |
| Hungary -----                  | 0       | 0       | 0                     | 0      |
| Japan -----                    | 22,393  | 45,581  | 19,393                | 20,539 |
| Mexico -----                   | 8,814   | 14,968  | 5,472                 | 10,680 |
| Peoples Rep of China -----     | 0       | 0       | 0                     | 0      |
| Poland -----                   | 0       | 0       | 0                     | 0      |
| Romania -----                  | 0       | 0       | 0                     | 0      |
| Republic of South Africa ----- | 0       | 0       | 0                     | 0      |
| Korea, Republic of -----       | 7,845   | 6,875   | 3,528                 | 3,631  |
| Trinidad and Tobago -----      | 0       | 0       | 0                     | 0      |
| Venezuela -----                | 5       | 0       | 0                     | 0      |
| Yugoslavia -----               | 0       | 0       | 0                     | 0      |
| Total-----                     | 106,202 | 132,303 | 60,199                | 64,958 |
| Other countries:               |         |         |                       |        |
| Sweden -----                   | 8,433   | 5,978   | 3,568                 | 3,053  |
| Canada -----                   | 3,838   | 2,234   | 1,584                 | 1,244  |
| Singapore -----                | 0       | 4       | 0                     | 0      |
| India -----                    | 90      | 0       | 0                     | 1,237  |
| Honduras -----                 | 19      | 0       | 0                     | 0      |
| Peru -----                     | 2       | 0       | 0                     | 0      |
| Total-----                     | 12,382  | 8,216   | 5,152                 | 5,534  |
| Grand total-----               | 118,584 | 140,519 | 65,351                | 70,492 |

Table 23.--Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988    | 1989    | January--June            |         |
|-------------------------------|---------|---------|--------------------------|---------|
|                               |         |         | 1989                     | 1990    |
|                               |         |         | Value (thousand dollars) |         |
| VRA countries:                |         |         |                          |         |
| Australia -----               | 0       | 12      | 0                        | 0       |
| Austria -----                 | 136     | 79      | 53                       | 13      |
| Brazil -----                  | 480     | 0       | 0                        | 58      |
| Czechoslovakia -----          | 0       | 0       | 0                        | 0       |
| East Germany -----            | 0       | 0       | 0                        | 0       |
| EC countries-----             | 122,326 | 138,830 | 69,164                   | 50,811  |
| Finland -----                 | 13,459  | 3,850   | 2,280                    | 7,578   |
| Hungary -----                 | 0       | 0       | 0                        | 0       |
| Japan -----                   | 50,112  | 95,498  | 41,682                   | 42,070  |
| Mexico -----                  | 16,454  | 33,463  | 12,916                   | 20,619  |
| Peoples Rep of China -----    | 0       | 0       | 0                        | 0       |
| Poland -----                  | 0       | 0       | 0                        | 0       |
| Romania -----                 | 0       | 0       | 0                        | 0       |
| Republic of South Africa ---- | 0       | 0       | 0                        | 0       |
| Korea, Republic of -----      | 17,343  | 16,561  | 9,250                    | 6,309   |
| Trinidad and Tobago -----     | 0       | 0       | 0                        | 0       |
| Venezuela -----               | 21      | 0       | 0                        | 0       |
| Yugoslavia -----              | 0       | 0       | 0                        | 0       |
| Total-----                    | 220,331 | 288,293 | 135,345                  | 127,458 |
| Other countries:              |         |         |                          |         |
| Sweden -----                  | 24,684  | 21,181  | 12,280                   | 10,167  |
| Canada -----                  | 9,552   | 7,123   | 5,147                    | 3,297   |
| Singapore -----               | 0       | 17      | 0                        | 0       |
| India -----                   | 172     | 0       | 0                        | 2,267   |
| Honduras -----                | 35      | 0       | 0                        | 0       |
| Peru -----                    | 26      | 0       | 0                        | 0       |
| Total-----                    | 34,469  | 28,321  | 17,427                   | 15,731  |
| Grand total-----              | 254,800 | 316,614 | 152,772                  | 143,189 |

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988   | 1989   | January--June |        |
|--------------------------------|--------|--------|---------------|--------|
|                                |        |        | 1989          | 1990   |
| Quantity (short tons)          |        |        |               |        |
| VRA countries:                 |        |        |               |        |
| Australia -----                | 0      | 0      | 0             | 0      |
| Austria -----                  | 183    | 200    | 120           | 44     |
| Brazil -----                   | 3,827  | 4,497  | 2,387         | 1,367  |
| Czechoslovakia -----           | 0      | 0      | 0             | 0      |
| East Germany -----             | 0      | 0      | 0             | 0      |
| EC countries-----              | 12,705 | 10,400 | 4,469         | 5,194  |
| Finland -----                  | 0      | 0      | 0             | 1/     |
| Hungary -----                  | 0      | 0      | 0             | 0      |
| Japan -----                    | 16,715 | 20,286 | 8,795         | 7,998  |
| Mexico -----                   | 49     | 18     | 0             | 19     |
| Peoples Rep of China -----     | 2      | 7      | 0             | 0      |
| Poland -----                   | 0      | 0      | 0             | 0      |
| Romania -----                  | 18     | 15     | 0             | 0      |
| Republic of South Africa ----- | 0      | 0      | 0             | 0      |
| Korea, Republic of -----       | 1,604  | 3,165  | 1,723         | 1,437  |
| Trinidad and Tobago -----      | 0      | 0      | 0             | 0      |
| Venezuela -----                | 0      | 0      | 0             | 0      |
| Yugoslavia -----               | 0      | 0      | 0             | 0      |
| Total-----                     | 35,103 | 38,588 | 17,494        | 16,059 |
| Other countries:               |        |        |               |        |
| Sweden -----                   | 3,708  | 2,727  | 1,182         | 1,595  |
| Canada -----                   | 1,641  | 1,711  | 531           | 2,153  |
| India -----                    | 224    | 214    | 64            | 284    |
| Argentina -----                | 0      | 93     | 49            | 14     |
| Taiwan -----                   | 49     | 59     | 59            | 3      |
| Switzerland -----              | 1/     | 13     | 1/            | 11     |
| Jordan -----                   | 0      | 10     | 0             | 0      |
| Indonesia -----                | 0      | 2      | 2             | 0      |
| Singapore -----                | 0      | 1/     | 0             | 0      |
| Israel -----                   | 0      | 1/     | 0             | 0      |
| All others-----                | 1/     | 0      | 0             | 0      |
| Total-----                     | 5,622  | 4,829  | 1,887         | 4,060  |
| Grand total-----               | 40,725 | 43,417 | 19,381        | 20,119 |

See footnote(s) at end of table.

Table 24.--Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988   | 1989    | January--June |        |
|--------------------------------|--------|---------|---------------|--------|
|                                |        |         | 1989          | 1990   |
| Value (thousand dollars)       |        |         |               |        |
| VRA countries:                 |        |         |               |        |
| Australia -----                | 0      | 0       | 0             | 0      |
| Austria -----                  | 412    | 527     | 299           | 131    |
| Brazil -----                   | 5,743  | 10,550  | 5,589         | 3,366  |
| Czechoslovakia -----           | 0      | 0       | 0             | 0      |
| East Germany -----             | 0      | 0       | 0             | 0      |
| EC countries -----             | 29,888 | 30,443  | 13,150        | 14,271 |
| Finland -----                  | 0      | 0       | 0             | 2      |
| Hungary -----                  | 0      | 0       | 0             | 0      |
| Japan -----                    | 40,671 | 63,821  | 27,063        | 23,468 |
| Mexico -----                   | 163    | 33      | 0             | 39     |
| Peoples Rep of China -----     | 40     | 32      | 0             | 0      |
| Poland -----                   | 0      | 0       | 0             | 0      |
| Romania -----                  | 30     | 27      | 0             | 0      |
| Republic of South Africa ----- | 0      | 0       | 0             | 0      |
| Korea, Republic of -----       | 3,389  | 9,017   | 4,946         | 3,545  |
| Trinidad and Tobago -----      | 0      | 0       | 0             | 0      |
| Venezuela -----                | 0      | 0       | 0             | 0      |
| Yugoslavia -----               | 0      | 0       | 0             | 0      |
| Total-----                     | 80,336 | 114,450 | 51,047        | 44,822 |
| Other countries:               |        |         |               |        |
| Sweden -----                   | 8,981  | 8,819   | 3,909         | 4,502  |
| Canada -----                   | 3,608  | 4,540   | 1,559         | 5,172  |
| India -----                    | 420    | 509     | 145           | 761    |
| Argentina -----                | 0      | 169     | 87            | 28     |
| Taiwan -----                   | 162    | 166     | 166           | 9      |
| Switzerland -----              | 1      | 92      | 4             | 45     |
| Jordan -----                   | 0      | 41      | 0             | 0      |
| Indonesia -----                | 0      | 53      | 53            | 0      |
| Singapore -----                | 0      | 2       | 0             | 0      |
| Israel -----                   | 0      | 4       | 0             | 0      |
| All others-----                | 3      | 0       | 0             | 0      |
| Total-----                     | 13,175 | 14,395  | 5,923         | 10,517 |
| Grand total-----               | 93,511 | 128,845 | 56,970        | 55,339 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988   | 1989   | January--June         |        |
|-------------------------------|--------|--------|-----------------------|--------|
|                               |        |        | 1989                  | 1990   |
|                               |        |        | Quantity (short tons) |        |
| VRA countries:                |        |        |                       |        |
| Australia -----               | 0      | 0      | 0                     | 0      |
| Austria -----                 | 49     | 88     | 0                     | 0      |
| Brazil -----                  | 964    | 809    | 172                   | 375    |
| Czechoslovakia -----          | 0      | 0      | 0                     | 0      |
| East Germany -----            | 0      | 0      | 0                     | 0      |
| EC countries-----             | 8,877  | 10,582 | 5,895                 | 6,250  |
| Finland -----                 | 0      | 0      | 0                     | 0      |
| Hungary -----                 | 0      | 0      | 0                     | 0      |
| Japan -----                   | 5,483  | 6,087  | 2,955                 | 2,626  |
| Mexico -----                  | 0      | 0      | 0                     | 0      |
| Peoples Rep of China -----    | 0      | 0      | 0                     | 0      |
| Poland -----                  | 0      | 0      | 0                     | 0      |
| Romania -----                 | 0      | 0      | 0                     | 0      |
| Republic of South Africa ---- | 0      | 0      | 0                     | 0      |
| Korea, Republic of -----      | 375    | 336    | 116                   | 746    |
| Trinidad and Tobago -----     | 138    | 0      | 0                     | 0      |
| Venezuela -----               | 0      | 0      | 0                     | 0      |
| Yugoslavia -----              | 17     | 0      | 0                     | 0      |
| Total-----                    | 15,903 | 17,902 | 9,138                 | 9,997  |
| Other countries:              |        |        |                       |        |
| Sweden -----                  | 3,159  | 3,497  | 1,893                 | 1,971  |
| Canada -----                  | 1/     | 284    | 136                   | 82     |
| Argentina -----               | 0      | 15     | 0                     | 0      |
| Taiwan -----                  | 148    | 0      | 0                     | 0      |
| India -----                   | 0      | 0      | 0                     | 11     |
| Total-----                    | 3,307  | 3,796  | 2,029                 | 2,064  |
| Grand total-----              | 19,210 | 21,698 | 11,167                | 12,061 |

See footnote(s) at end of table.

Table 25.--Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988                     | 1989   | January--June |        |
|-------------------------------|--------------------------|--------|---------------|--------|
|                               |                          |        | 1989          | 1990   |
|                               | Value (thousand dollars) |        |               |        |
| VRA countries:                |                          |        |               |        |
| Australia -----               | 0                        | 0      | 0             | 0      |
| Austria -----                 | 68                       | 129    | 0             | 0      |
| Brazil -----                  | 1,543                    | 1,991  | 475           | 683    |
| Czechoslovakia -----          | 0                        | 0      | 0             | 0      |
| East Germany -----            | 0                        | 0      | 0             | 0      |
| EC countries -----            | 23,039                   | 30,861 | 18,351        | 15,460 |
| Finland -----                 | 0                        | 0      | 0             | 0      |
| Hungary -----                 | 0                        | 0      | 0             | 0      |
| Japan -----                   | 11,611                   | 16,226 | 7,875         | 6,027  |
| Mexico -----                  | 0                        | 0      | 0             | 0      |
| Peoples Rep of China -----    | 0                        | 0      | 0             | 0      |
| Poland -----                  | 0                        | 0      | 0             | 0      |
| Romania -----                 | 0                        | 0      | 0             | 0      |
| Republic of South Africa ---- | 0                        | 0      | 0             | 0      |
| Korea, Republic of -----      | 552                      | 796    | 293           | 1,571  |
| Trinidad and Tobago -----     | 202                      | 0      | 0             | 0      |
| Venezuela -----               | 0                        | 0      | 0             | 0      |
| Yugoslavia -----              | 22                       | 0      | 0             | 0      |
| Total-----                    | 37,037                   | 50,003 | 26,994        | 23,741 |
| Other countries:              |                          |        |               |        |
| Sweden -----                  | 7,916                    | 11,170 | 6,270         | 5,439  |
| Canada -----                  | 2                        | 787    | 380           | 238    |
| Argentina -----               | 0                        | 26     | 0             | 0      |
| Taiwan -----                  | 328                      | 0      | 0             | 0      |
| India -----                   | 0                        | 0      | 0             | 30     |
| Total-----                    | 8,246                    | 11,983 | 6,650         | 5,707  |
| Grand total-----              | 45,283                   | 61,986 | 33,644        | 29,448 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988   | 1989   | January--June |       |
|-------------------------------|--------|--------|---------------|-------|
|                               |        |        | 1989          | 1990  |
| Quantity (short tons)         |        |        |               |       |
| VRA countries:                |        |        |               |       |
| Australia -----               | 1/     | 1/     | 1/            | 1/    |
| Austria -----                 | 25     | 105    | 49            | 1/    |
| Brazil -----                  | 156    | 849    | 217           | 33    |
| Czechoslovakia -----          | 0      | 0      | 0             | 0     |
| East Germany -----            | 0      | 0      | 0             | 0     |
| EC countries-----             | 8,101  | 7,542  | 4,516         | 3,210 |
| Finland -----                 | 0      | 7      | 7             | 0     |
| Hungary -----                 | 0      | 0      | 0             | 0     |
| Japan -----                   | 4,719  | 4,796  | 2,582         | 1,791 |
| Mexico -----                  | 1      | 6      | 0             | 0     |
| Peoples Rep of China -----    | 0      | 0      | 0             | 0     |
| Poland -----                  | 0      | 0      | 0             | 0     |
| Romania -----                 | 0      | 0      | 0             | 0     |
| Republic of South Africa ---- | 0      | 0      | 0             | 0     |
| Korea, Republic of -----      | 986    | 759    | 359           | 306   |
| Trinidad and Tobago -----     | 0      | 0      | 0             | 0     |
| Venezuela -----               | 3      | 0      | 0             | 0     |
| Yugoslavia -----              | 0      | 3      | 3             | 0     |
| Total-----                    | 13,991 | 14,067 | 7,733         | 5,340 |
| Other countries:              |        |        |               |       |
| Sweden -----                  | 2,685  | 2,493  | 1,526         | 985   |
| Canada -----                  | 2,277  | 2,355  | 1,243         | 1,260 |
| Taiwan -----                  | 1,221  | 1,099  | 731           | 489   |
| India -----                   | 209    | 896    | 526           | 863   |
| Switzerland -----             | 268    | 337    | 213           | 148   |
| Thailand -----                | 0      | 71     | 0             | 139   |
| Singapore -----               | 1/     | 1/     | 0             | 1/    |
| Hong Kong -----               | 0      | 1/     | 1/            | 0     |
| Chile -----                   | 0      | 0      | 0             | 21    |
| Total-----                    | 6,660  | 7,251  | 4,239         | 3,905 |
| Grand total-----              | 20,651 | 21,318 | 11,972        | 9,245 |

See footnote(s) at end of table.

Table 26.--Stainless steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988   | 1989   | January--June |        |
|--------------------------------|--------|--------|---------------|--------|
|                                |        |        | 1989          | 1990   |
| Value (thousand dollars)       |        |        |               |        |
| VRA countries:                 |        |        |               |        |
| Australia -----                | 39     | 81     | 37            | 44     |
| Austria -----                  | 117    | 516    | 242           | 4      |
| Brazil -----                   | 304    | 2,069  | 554           | 132    |
| Czechoslovakia -----           | 0      | 0      | 0             | 0      |
| East Germany -----             | 0      | 0      | 0             | 0      |
| EC countries-----              | 24,922 | 28,620 | 16,844        | 12,337 |
| Finland -----                  | 0      | 58     | 58            | 0      |
| Hungary -----                  | 0      | 0      | 0             | 0      |
| Japan -----                    | 18,705 | 20,748 | 10,749        | 7,205  |
| Mexico -----                   | 6      | 3      | 0             | 0      |
| Peoples Rep of China -----     | 0      | 0      | 0             | 0      |
| Poland -----                   | 0      | 0      | 0             | 0      |
| Romania -----                  | 0      | 0      | 0             | 0      |
| Republic of South Africa ----- | 0      | 0      | 0             | 0      |
| Korea, Republic of -----       | 3,044  | 3,042  | 1,390         | 1,176  |
| Trinidad and Tobago -----      | 0      | 0      | 0             | 0      |
| Venezuela -----                | 11     | 0      | 0             | 0      |
| Yugoslavia -----               | 0      | 4      | 4             | 0      |
| Total-----                     | 47,148 | 55,141 | 29,878        | 20,898 |
| Other countries:               |        |        |               |        |
| Sweden -----                   | 12,922 | 13,952 | 8,333         | 5,276  |
| Canada -----                   | 9,650  | 12,604 | 6,682         | 6,246  |
| Taiwan -----                   | 3,824  | 3,834  | 2,539         | 1,664  |
| India -----                    | 414    | 2,432  | 1,188         | 2,218  |
| Switzerland -----              | 1,254  | 1,590  | 983           | 713    |
| Thailand -----                 | 0      | 274    | 0             | 491    |
| Singapore -----                | 5      | 9      | 0             | 6      |
| Hong Kong -----                | 0      | 4      | 4             | 0      |
| Chile -----                    | 0      | 0      | 0             | 19     |
| Total-----                     | 28,069 | 34,699 | 19,729        | 16,633 |
| Grand total-----               | 75,217 | 89,840 | 49,607        | 37,531 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                          | 1988   | 1989   | January--June |        |
|-------------------------------|--------|--------|---------------|--------|
|                               |        |        | 1989          | 1990   |
| Quantity (short tons)         |        |        |               |        |
| VRA countries:                |        |        |               |        |
| Australia -----               | 23     | 0      | 0             | 0      |
| Austria -----                 | 756    | 664    | 419           | 397    |
| Brazil -----                  | 0      | 12     | 0             | 0      |
| Czechoslovakia -----          | 0      | 0      | 0             | 0      |
| East Germany -----            | 0      | 0      | 0             | 0      |
| EC countries-----             | 7,081  | 11,955 | 7,475         | 9,648  |
| Finland -----                 | 1/     | 0      | 0             | 0      |
| Hungary -----                 | 0      | 0      | 0             | 0      |
| Japan -----                   | 8,365  | 9,327  | 4,539         | 3,510  |
| Mexico -----                  | 950    | 346    | 239           | 285    |
| Peoples Rep of China -----    | 0      | 4      | 4             | 109    |
| Poland -----                  | 0      | 0      | 0             | 0      |
| Romania -----                 | 0      | 0      | 0             | 0      |
| Republic of South Africa ---- | 0      | 1/     | 1/            | 0      |
| Korea, Republic of -----      | 392    | 684    | 310           | 984    |
| Trinidad and Tobago -----     | 0      | 0      | 0             | 0      |
| Venezuela -----               | 0      | 0      | 0             | 0      |
| Yugoslavia -----              | 0      | 0      | 0             | 0      |
| Total-----                    | 17,567 | 22,992 | 12,986        | 14,933 |
| Other countries:              |        |        |               |        |
| Canada -----                  | 6,925  | 6,241  | 3,720         | 3,088  |
| Sweden -----                  | 5,253  | 4,208  | 2,514         | 1,505  |
| Taiwan -----                  | 6,809  | 3,135  | 1,278         | 3,746  |
| Thailand -----                | 188    | 332    | 221           | 21     |
| Singapore -----               | 0      | 315    | 0             | 523    |
| Switzerland -----             | 1      | 16     | 6             | 5      |
| Malaysia -----                | 0      | 13     | 4             | 0      |
| India -----                   | 4      | 5      | 5             | 41     |
| Norway -----                  | 0      | 1/     | 1/            | 1/     |
| Israel -----                  | 4      | 1/     | 1/            | 0      |
| All others-----               | 1/     | 0      | 0             | 1/     |
| Total-----                    | 19,184 | 14,265 | 7,743         | 8,929  |
| Grand total-----              | 36,751 | 37,257 | 20,734        | 23,862 |

See footnote(s) at end of table.

Table 27.--Stainless steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988    | 1989    | January--June            |        |
|--------------------------------|---------|---------|--------------------------|--------|
|                                |         |         | 1989                     | 1990   |
|                                |         |         | Value (thousand dollars) |        |
| VRA countries:                 |         |         |                          |        |
| Australia -----                | 135     | 0       | 0                        | 0      |
| Austria -----                  | 4,157   | 5,246   | 3,307                    | 3,015  |
| Brazil -----                   | 0       | 54      | 0                        | 0      |
| Czechoslovakia -----           | 0       | 0       | 0                        | 0      |
| East Germany -----             | 0       | 0       | 0                        | 0      |
| EC countries-----              | 27,461  | 45,286  | 28,544                   | 22,442 |
| Finland -----                  | 1       | 0       | 0                        | 0      |
| Hungary -----                  | 0       | 0       | 0                        | 0      |
| Japan -----                    | 31,923  | 52,918  | 24,948                   | 21,648 |
| Mexico -----                   | 2,891   | 1,195   | 767                      | 1,358  |
| Peoples Rep of China -----     | 0       | 12      | 12                       | 292    |
| Poland -----                   | 0       | 0       | 0                        | 0      |
| Romania -----                  | 0       | 0       | 0                        | 0      |
| Republic of South Africa ----- | 0       | 4       | 4                        | 0      |
| Korea, Republic of -----       | 1,255   | 2,570   | 1,101                    | 2,936  |
| Trinidad and Tobago -----      | 0       | 0       | 0                        | 0      |
| Venezuela -----                | 0       | 0       | 0                        | 0      |
| Yugoslavia -----               | 0       | 0       | 0                        | 0      |
| Total-----                     | 67,823  | 107,285 | 58,683                   | 51,691 |
| Other countries:               |         |         |                          |        |
| Canada -----                   | 24,048  | 30,786  | 17,509                   | 15,088 |
| Sweden -----                   | 22,285  | 22,758  | 13,889                   | 7,245  |
| Taiwan -----                   | 21,308  | 12,587  | 5,254                    | 12,451 |
| Thailand -----                 | 458     | 874     | 518                      | 55     |
| Singapore -----                | 0       | 1,060   | 0                        | 1,567  |
| Switzerland -----              | 177     | 212     | 116                      | 173    |
| Malaysia -----                 | 0       | 45      | 16                       | 0      |
| India -----                    | 17      | 20      | 20                       | 223    |
| Norway -----                   | 0       | 7       | 4                        | 2      |
| Israel -----                   | 77      | 3       | 2                        | 0      |
| All others-----                | 2       | 0       | 0                        | 1      |
| Total-----                     | 68,372  | 68,352  | 37,328                   | 36,805 |
| Grand total-----               | 136,195 | 175,637 | 96,011                   | 88,496 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988   | 1989   | January--June |        |
|--------------------------------|--------|--------|---------------|--------|
|                                |        |        | 1989          | 1990   |
| Quantity (short tons)          |        |        |               |        |
| VRA countries:                 |        |        |               |        |
| Australia -----                | 0      | 18     | 18            | 282    |
| Austria -----                  | 2,538  | 2,709  | 1,290         | 1,064  |
| Brazil -----                   | 1,920  | 2,052  | 1,181         | 1,050  |
| Czechoslovakia -----           | 21     | 33     | 0             | 0      |
| East Germany -----             | 4      | 0      | 0             | 2      |
| EC countries-----              | 12,825 | 16,254 | 7,373         | 7,078  |
| Finland -----                  | 5      | 0      | 0             | 0      |
| Hungary -----                  | 0      | 0      | 0             | 0      |
| Japan -----                    | 4,416  | 5,543  | 2,647         | 1,694  |
| Mexico -----                   | 346    | 137    | 88            | 60     |
| Peoples Rep of China -----     | 103    | 167    | 70            | 0      |
| Poland -----                   | 249    | 225    | 99            | 149    |
| Romania -----                  | 0      | 0      | 0             | 0      |
| Republic of South Africa ----- | 0      | 0      | 0             | 0      |
| Korea, Republic of -----       | 779    | 1,167  | 714           | 392    |
| Trinidad and Tobago -----      | 0      | 0      | 0             | 0      |
| Venezuela -----                | 0      | 68     | 0             | 112    |
| Yugoslavia -----               | 0      | 0      | 0             | 0      |
| Total-----                     | 23,206 | 28,373 | 13,480        | 11,883 |
| Other countries:               |        |        |               |        |
| Sweden -----                   | 12,254 | 10,867 | 5,805         | 3,683  |
| Canada -----                   | 8,573  | 8,963  | 5,620         | 4,106  |
| Argentina -----                | 42     | 98     | 67            | 42     |
| Soviet Union -----             | 0      | 10     | 0             | 0      |
| Israel -----                   | 0      | 1/     | 0             | 0      |
| India -----                    | 19     | 1/     | 1/            | 22     |
| Switzerland -----              | 1/     | 1/     | 0             | 0      |
| Total-----                     | 20,888 | 19,938 | 11,492        | 7,853  |
| Grand total-----               | 44,094 | 48,311 | 24,972        | 19,736 |

See footnote(s) at end of table.

Table 28.--Alloy tool steel (all forms): U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                           | 1988   | 1989   | January--June |        |
|--------------------------------|--------|--------|---------------|--------|
|                                |        |        | 1989          | 1990   |
| Value (thousand dollars)       |        |        |               |        |
| VRA countries:                 |        |        |               |        |
| Australia -----                | 0      | 41     | 41            | 635    |
| Austria -----                  | 6,561  | 7,507  | 3,544         | 3,409  |
| Brazil -----                   | 3,560  | 3,481  | 2,111         | 2,141  |
| Czechoslovakia -----           | 33     | 46     | 0             | 0      |
| East Germany -----             | 6      | 0      | 0             | 8      |
| EC countries-----              | 23,213 | 31,615 | 14,376        | 16,686 |
| Finland -----                  | 15     | 0      | 0             | 0      |
| Hungary -----                  | 0      | 0      | 0             | 0      |
| Japan -----                    | 14,883 | 11,142 | 5,527         | 5,144  |
| Mexico -----                   | 434    | 183    | 122           | 131    |
| Peoples Rep of China -----     | 149    | 219    | 87            | 0      |
| Poland -----                   | 468    | 567    | 239           | 478    |
| Romania -----                  | 0      | 0      | 0             | 0      |
| Republic of South Africa ----- | 0      | 0      | 0             | 0      |
| Korea, Republic of -----       | 1,303  | 1,979  | 1,039         | 836    |
| Trinidad and Tobago -----      | 0      | 0      | 0             | 0      |
| Venezuela -----                | 0      | 86     | 0             | 157    |
| Yugoslavia -----               | 0      | 0      | 0             | 0      |
| Total-----                     | 50,625 | 56,866 | 27,086        | 29,625 |
| Other countries:               |        |        |               |        |
| Sweden -----                   | 30,589 | 30,000 | 15,582        | 10,100 |
| Canada -----                   | 12,019 | 12,883 | 7,369         | 6,341  |
| Argentina -----                | 65     | 165    | 121           | 76     |
| Soviet Union -----             | 0      | 8      | 0             | 0      |
| Israel -----                   | 0      | 10     | 0             | 0      |
| India -----                    | 16     | 4      | 4             | 53     |
| Switzerland -----              | 2      | 1      | 0             | 0      |
| Total-----                     | 42,691 | 43,071 | 23,076        | 16,570 |
| Grand total-----               | 93,316 | 99,937 | 50,162        | 46,195 |

1/ Less than 0.5 short ton.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990

| Item                           | 1988    | 1989    | January--June |         |
|--------------------------------|---------|---------|---------------|---------|
|                                |         |         | 1989          | 1990    |
| Quantity (short tons)          |         |         |               |         |
| VRA countries:                 |         |         |               |         |
| Australia -----                | 24      | 28      | 19            | 282     |
| Austria -----                  | 3,901   | 3,979   | 1,979         | 1,577   |
| Brazil -----                   | 8,863   | 8,218   | 3,958         | 2,864   |
| Czechoslovakia -----           | 21      | 33      | 0             | 0       |
| East Germany -----             | 4       | 0       | 0             | 2       |
| EC countries-----              | 128,336 | 146,230 | 78,407        | 72,480  |
| Finland -----                  | 8,780   | 3,128   | 1,742         | 7,594   |
| Hungary -----                  | 0       | 0       | 0             | 0       |
| Japan -----                    | 66,251  | 93,860  | 42,114        | 39,197  |
| Mexico -----                   | 10,160  | 15,654  | 5,804         | 11,262  |
| Peoples Rep of China -----     | 106     | 178     | 74            | 109     |
| Poland -----                   | 323     | 518     | 366           | 191     |
| Romania -----                  | 18      | 15      | 0             | 0       |
| Republic of South Africa ----- | 0       | 1/      | 1/            | 0       |
| Korea, Republic of -----       | 12,105  | 12,998  | 6,756         | 7,648   |
| Trinidad and Tobago -----      | 138     | 0       | 0             | 0       |
| Venezuela -----                | 7       | 68      | 0             | 112     |
| Yugoslavia -----               | 17      | 3       | 3             | 0       |
| Total-----                     | 239,054 | 284,925 | 141,222       | 143,318 |
| Other countries:               |         |         |               |         |
| Canada -----                   | 57,153  | 58,521  | 35,519        | 25,707  |
| Sweden -----                   | 52,761  | 42,184  | 23,202        | 21,694  |
| Taiwan -----                   | 8,227   | 4,294   | 2,068         | 4,239   |
| India -----                    | 546     | 1,116   | 596           | 2,458   |
| Thailand -----                 | 188     | 403     | 221           | 160     |
| Switzerland -----              | 270     | 366     | 219           | 164     |
| Singapore -----                | 1/      | 320     | 0             | 523     |
| Argentina -----                | 42      | 206     | 116           | 57      |
| Malaysia -----                 | 0       | 13      | 4             | 0       |
| Soviet Union -----             | 0       | 10      | 0             | 0       |
| All others-----                | 31      | 14      | 3             | 21      |
| Total-----                     | 119,488 | 107,447 | 61,948        | 55,023  |
| Grand total-----               | 358,542 | 392,372 | 203,170       | 198,341 |

See footnote(s) at end of table.

Table 29.--Total, stainless and alloy tool steel products: U.S. imports for consumption, by principal sources, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                          | 1988    | 1989      | January--June            |         |
|-------------------------------|---------|-----------|--------------------------|---------|
|                               |         |           | 1989                     | 1990    |
|                               |         |           | Value (thousand dollars) |         |
| VRA countries:                |         |           |                          |         |
| Australia -----               | 174     | 133       | 78                       | 678     |
| Austria -----                 | 12,639  | 14,919    | 7,887                    | 6,816   |
| Brazil -----                  | 12,173  | 18,144    | 8,729                    | 6,381   |
| Czechoslovakia -----          | 33      | 46        | 0                        | 0       |
| East Germany -----            | 6       | 0         | 0                        | 8       |
| EC countries-----             | 279,603 | 353,921   | 187,095                  | 150,807 |
| Finland -----                 | 19,623  | 8,791     | 5,308                    | 14,738  |
| Hungary -----                 | 0       | 0         | 0                        | 0       |
| Japan -----                   | 175,325 | 266,312   | 120,997                  | 107,889 |
| Mexico -----                  | 19,948  | 35,327    | 13,817                   | 22,620  |
| Peoples Rep of China -----    | 189     | 263       | 99                       | 292     |
| Poland -----                  | 570     | 1,099     | 712                      | 574     |
| Romania -----                 | 30      | 27        | 0                        | 0       |
| Republic of South Africa ---- | 0       | 4         | 4                        | 0       |
| Korea, Republic of -----      | 26,936  | 33,988    | 18,032                   | 16,614  |
| Trinidad and Tobago -----     | 202     | 0         | 0                        | 0       |
| Venezuela -----               | 32      | 86        | 0                        | 157     |
| Yugoslavia -----              | 22      | 4         | 4                        | 0       |
| Total-----                    | 547,505 | 733,064   | 362,762                  | 327,574 |
| Other countries:              |         |           |                          |         |
| Canada -----                  | 112,639 | 138,065   | 83,030                   | 56,166  |
| Sweden -----                  | 137,391 | 136,924   | 77,130                   | 58,021  |
| Taiwan -----                  | 25,622  | 16,604    | 7,974                    | 14,131  |
| India -----                   | 1,039   | 2,965     | 1,357                    | 5,552   |
| Thailand -----                | 458     | 1,148     | 518                      | 546     |
| Switzerland -----             | 1,434   | 1,895     | 1,103                    | 931     |
| Singapore -----               | 5       | 1,088     | 0                        | 1,573   |
| Argentina -----               | 65      | 360       | 208                      | 104     |
| Malaysia -----                | 0       | 45        | 16                       | 0       |
| Soviet Union -----            | 0       | 8         | 0                        | 0       |
| All others-----               | 152     | 129       | 69                       | 22      |
| Total-----                    | 278,805 | 299,231   | 171,405                  | 137,046 |
| Grand total-----              | 826,310 | 1,032,295 | 534,167                  | 464,620 |

1/ Less than 0.5 short tons

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

| Item                                            | 1988 | 1989  | January-June |       |
|-------------------------------------------------|------|-------|--------------|-------|
|                                                 |      |       | 1989         | 1990  |
| Carbon and certain alloy 1/ steel:              |      |       |              |       |
| Semifinished 2/-----                            | 240  | 259   | 260          | 231   |
| Plate-----                                      | 405  | 400   | 404          | 386   |
| Sheet and strip:                                |      |       |              |       |
| Hot rolled-----                                 | 364  | 378   | 384          | 355   |
| Cold rolled-----                                | 509  | 546   | 552          | 547   |
| Galvanized-----                                 | 552  | 587   | 572          | 599   |
| Tin plate-----                                  | 567  | 613   | 603          | 618   |
| Tin free-----                                   | 542  | 574   | 564          | 572   |
| Other coated-----                               | 590  | 616   | 602          | 641   |
| Average, sheet and strip-----                   | 481  | 511   | 510          | 508   |
| Bar:                                            |      |       |              |       |
| Hot finished-----                               | 406  | 454   | 448          | 470   |
| Cold finished-----                              | 598  | 658   | 646          | 696   |
| Reinforcing-----                                | 262  | 308   | 301          | 326   |
| Light shapes-----                               | 382  | 349   | 355          | 343   |
| Average, bar-----                               | 396  | 445   | 431          | 470   |
| Wire rod-----                                   | 347  | 374   | 380          | 353   |
| Wire-----                                       | 691  | 734   | 732          | 743   |
| Wire products-----                              | 659  | 928   | 915          | 971   |
| Structural shapes and units:                    |      |       |              |       |
| Heavy structurals-----                          | 376  | 377   | 374          | 356   |
| Fabricated structurals-----                     | 939  | 1,129 | 1,080        | 1,319 |
| Average, structurals-----                       | 436  | 452   | 435          | 476   |
| Rails and related products-----                 | 383  | 471   | 501          | 439   |
| Pipe and tube:                                  |      |       |              |       |
| Oil country tubular goods-----                  | 730  | 743   | 804          | 709   |
| Line pipe-----                                  | 529  | 563   | 585          | 513   |
| Mechanical pipe-----                            | 675  | 787   | 728          | 851   |
| Structural pipe-----                            | 507  | 563   | 569          | 545   |
| Pressure tubing-----                            | 793  | 1,021 | 927          | 1,296 |
| Other (incl. standard)-----                     | 487  | 520   | 509          | 510   |
| Average, pipe and tube-----                     | 600  | 615   | 624          | 576   |
| Average, carbon and certain alloy 1/ steel----- | 450  | 489   | 486          | 486   |

See footnotes at end of table.

Table 30.--Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, 1988, 1989, and by specified periods, 1989 and 1990

(Per short ton)

| Item                               | 1988  | 1989  | January-June |       |
|------------------------------------|-------|-------|--------------|-------|
|                                    |       |       | 1989         | 1990  |
| Stainless and alloy tool steel:    |       |       |              |       |
| Stainless steel:                   |       |       |              |       |
| Semifinished 2/                    | 1,490 | 1,722 | 1,667        | 1,301 |
| Plate                              | 2,207 | 2,962 | 2,953        | 2,191 |
| Sheet and strip:                   |       |       |              |       |
| Sheet                              | 2,067 | 2,084 | 2,161        | 1,857 |
| Strip                              | 3,331 | 3,255 | 3,309        | 3,118 |
| Average, sheet and strip:          | 2,149 | 2,253 | 2,338        | 2,031 |
| Bars and shapes                    | 2,296 | 2,968 | 2,939        | 2,751 |
| Wire rod                           | 2,357 | 2,857 | 3,013        | 2,442 |
| Wire                               | 3,642 | 4,214 | 4,144        | 4,060 |
| Pipe and tube                      | 3,706 | 4,714 | 4,630        | 3,709 |
| Alloy tool steel (all forms)-      | 2,116 | 2,069 | 2,009        | 2,341 |
| Average, stainless and alloy steel | 2,306 | 2,631 | 2,629        | 2,343 |

1/ Including alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from data of the American Iron & Steel Institute, and official statistics of the U.S. Department of Commerce.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990

| Item                         | 1988      | 1989      | January-June          |           |
|------------------------------|-----------|-----------|-----------------------|-----------|
|                              |           |           | 1989                  | 1990      |
|                              |           |           | Quantity (short tons) |           |
| Carbon and certain alloy 3/  |           |           |                       |           |
| steel:                       |           |           |                       |           |
| Semifinished 2/              |           |           |                       |           |
| Ingots-----                  | 103,282   | 25,863    | 21,683                | 8,712     |
| Blooms and billets-----      | 581,907   | 504,638   | 298,015               | 202,355   |
| Slabs and sheet bars-----    | 2,097,383 | 1,605,189 | 750,316               | 845,666   |
| Total-----                   | 2,782,572 | 2,135,690 | 1,070,013             | 1,056,732 |
| Plate:                       |           |           |                       |           |
| Carbon-----                  | 1,750,917 | 1,312,364 | 639,666               | 578,613   |
| Alloy-----                   | 106,172   | 107,032   | 50,649                | 58,090    |
| Total-----                   | 1,857,090 | 1,419,396 | 690,315               | 636,703   |
| Sheet and strip:             |           |           |                       |           |
| Hot rolled:                  |           |           |                       |           |
| Sheet-----                   | 2,199,268 | 1,835,755 | 879,973               | 848,702   |
| Strip-----                   | 49,553    | 110,452   | 55,868                | 46,871    |
| Cold rolled:                 |           |           |                       |           |
| Black plate-----             | 145,166   | 144,642   | 77,082                | 64,543    |
| Electrical-----              | 64,684    | 85,328    | 42,545                | 34,073    |
| Other sheet-----             | 2,011,242 | 1,701,183 | 784,302               | 673,672   |
| Other strip-----             | 126,534   | 112,196   | 58,932                | 58,301    |
| Galvanized-----              | 1,948,811 | 1,625,227 | 762,507               | 794,796   |
| Tin plate-----               | 294,552   | 337,330   | 176,345               | 155,191   |
| Tin free-----                | 97,460    | 114,902   | 57,473                | 53,477    |
| Other coated-----            | 248,111   | 235,827   | 120,452               | 97,585    |
| Total-----                   | 7,185,380 | 6,302,844 | 3,015,479             | 2,827,082 |
| Bar:                         |           |           |                       |           |
| Hot rolled:                  |           |           |                       |           |
| Carbon-----                  | 476,951   | 525,944   | 255,951               | 202,888   |
| Alloy-----                   | 186,902   | 238,912   | 136,524               | 98,082    |
| Cold rolled:                 |           |           |                       |           |
| Carbon-----                  | 161,345   | 118,180   | 64,430                | 45,873    |
| Alloy-----                   | 52,093    | 46,608    | 24,759                | 20,120    |
| Reinforcing-----             | 357,253   | 233,733   | 164,210               | 67,592    |
| Light structural shapes----- | 126,568   | 100,927   | 61,435                | 41,334    |
| Total-----                   | 1,361,113 | 1,264,305 | 707,308               | 475,888   |

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                            | 1988      | 1989      | January-June |           |
|---------------------------------|-----------|-----------|--------------|-----------|
|                                 |           |           | 1989         | 1990      |
|                                 |           |           |              |           |
| Quantity (short tons)           |           |           |              |           |
| Wire rod and related products:  |           |           |              |           |
| Wire rod:                       |           |           |              |           |
| Carbon-----                     | 1,355,951 | 1,085,797 | 524,491      | 539,942   |
| Alloy-----                      | 118,672   | 42,620    | 24,178       | 7,392     |
| Wire:                           |           |           |              |           |
| Carbon-----                     | 486,699   | 432,369   | 233,378      | 208,250   |
| Alloy-----                      | 33,028    | 40,615    | 21,480       | 21,163    |
| Wire products:                  |           |           |              |           |
| Nails-----                      | 364,748   | 384,737   | 179,698      | 221,778   |
| Barbed wire-----                | 15,538    | 12,440    | 7,422        | 9,255     |
| Wire fencing-----               | 12,052    | 60,907    | 33,239       | 23,732    |
| Bale ties-----                  | 1,849     | 955       | 583          | 410       |
| Wire strand-----                | 88,300    | 161,751   | 81,669       | 85,072    |
| Wire rope-----                  | 77,564    | 82,812    | 39,823       | 35,231    |
| Milliners wire-----             | 12,400    | 0         | 0            | 1/        |
| Total-----                      | 2,566,801 | 2,305,004 | 1,145,963    | 1,152,224 |
| Structurals:                    |           |           |              |           |
| Heavy-----                      | 1,955,762 | 1,477,782 | 890,909      | 460,341   |
| Fabricated-----                 | 232,705   | 162,579   | 83,859       | 65,594    |
| Total-----                      | 2,188,467 | 1,640,361 | 974,768      | 525,935   |
| Rails and related products:     |           |           |              |           |
| Rails-----                      | 260,006   | 244,236   | 130,011      | 128,566   |
| Joint bars and tie plates-----  | 8,487     | 14,023    | 9,917        | 5,066     |
| Track spikes-----               | 205       | 5,853     | 3,981        | 1,538     |
| Wheels and axles-----           | 50,734    | 58,873    | 29,984       | 11,010    |
| Total-----                      | 319,432   | 322,985   | 173,893      | 146,179   |
| Pipes and tubes:                |           |           |              |           |
| Oil country tubular goods-----  | 1,032,296 | 429,448   | 175,534      | 174,311   |
| Line pipe-----                  | 507,914   | 526,983   | 217,377      | 379,512   |
| Mechanical pipe-----            | 382,270   | 281,056   | 199,476      | 91,638    |
| Structural pipe-----            | 278,870   | 323,918   | 170,141      | 150,086   |
| Pressure tubing-----            | 52,100    | 44,944    | 26,890       | 17,235    |
| Other (including standard)----- | 996,487   | 829,195   | 369,980      | 493,649   |
| Total-----                      | 3,249,937 | 2,435,544 | 1,159,398    | 1,306,431 |

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                            | 1988    | 1989    | January-June          |        |
|---------------------------------|---------|---------|-----------------------|--------|
|                                 |         |         | 1989                  | 1990   |
|                                 |         |         | Quantity (short tons) |        |
| Stainless and alloy tool steel: |         |         |                       |        |
| Stainless:                      |         |         |                       |        |
| Semifinished:                   |         |         |                       |        |
| Ingots-----                     | 3,877   | 191     | 64                    | 52     |
| Blooms and billets-----         | 40,772  | 42,268  | 24,620                | 17,735 |
| Slabs and sheet bars-----       | 17,758  | 19,663  | 15,319                | 15,254 |
| Total-----                      | 62,407  | 62,121  | 40,004                | 33,040 |
| Plate-----                      | 15,847  | 17,713  | 9,587                 | 9,785  |
| Sheet and strip:                |         |         |                       |        |
| Sheet:                          |         |         |                       |        |
| Hot rolled-----                 | 7,331   | 8,070   | 3,792                 | 3,380  |
| Cold rolled-----                | 103,577 | 112,191 | 51,500                | 57,352 |
| Strip-----                      | 7,676   | 20,258  | 10,059                | 9,760  |
| Total-----                      | 118,584 | 140,519 | 65,350                | 70,493 |
| Bars and shapes-----            | 40,724  | 43,417  | 19,383                | 20,118 |
| Wire rod-----                   | 19,210  | 21,698  | 11,167                | 12,061 |
| Wire-----                       | 20,653  | 21,319  | 11,972                | 9,245  |
| Pipe and tube-----              | 36,752  | 37,258  | 20,735                | 23,862 |
| Alloy tool steel (all forms):   |         |         |                       |        |
| Semifinished 2/-----            | 4,408   | 1,005   | 784                   | 84     |
| Bars-----                       | 28,867  | 1,576   | 880                   | 439    |
| Other-----                      | 10,820  | 45,732  | 23,308                | 19,213 |
| Total-----                      | 44,095  | 48,313  | 24,972                | 19,736 |

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990

| Item                                      | 1988   | 1989   | January-June                            |        |
|-------------------------------------------|--------|--------|-----------------------------------------|--------|
|                                           |        |        | 1989                                    | 1990   |
|                                           |        |        | Share of product group totals (percent) |        |
| Carbon and certain alloy <u>3/</u> steel: |        |        |                                         |        |
| Semifinished <u>2/</u>                    |        |        |                                         |        |
| Ingots-----                               | 3.71   | 1.21   | 2.03                                    | 0.82   |
| Blooms and billets-----                   | 20.91  | 23.63  | 27.85                                   | 19.15  |
| Slabs and sheet bars-----                 | 75.38  | 75.16  | 70.12                                   | 80.03  |
| Total-----                                | 100.00 | 100.00 | 100.00                                  | 100.00 |
| Plate:                                    |        |        |                                         |        |
| Carbon-----                               | 94.28  | 92.46  | 92.66                                   | 90.88  |
| Alloy-----                                | 5.72   | 7.54   | 7.34                                    | 9.12   |
| Total-----                                | 100.00 | 100.00 | 100.00                                  | 100.00 |
| Sheet and strip:                          |        |        |                                         |        |
| Hot rolled:                               |        |        |                                         |        |
| Sheet-----                                | 30.61  | 29.13  | 29.18                                   | 30.02  |
| Strip-----                                | 0.69   | 1.75   | 1.85                                    | 1.66   |
| Cold rolled:                              |        |        |                                         |        |
| Black plate-----                          | 2.02   | 2.29   | 2.56                                    | 2.28   |
| Electrical-----                           | 0.90   | 1.35   | 1.41                                    | 1.21   |
| Other sheet-----                          | 27.99  | 26.99  | 26.01                                   | 23.83  |
| Other strip-----                          | 1.76   | 1.78   | 1.95                                    | 2.06   |
| Galvanized-----                           | 27.12  | 25.79  | 25.29                                   | 28.11  |
| Tin plate-----                            | 4.10   | 5.35   | 5.85                                    | 5.49   |
| Tin free-----                             | 1.36   | 1.82   | 1.91                                    | 1.89   |
| Other coated-----                         | 3.45   | 3.74   | 3.99                                    | 3.45   |
| Total-----                                | 100.00 | 100.00 | 100.00                                  | 100.00 |
| Bar:                                      |        |        |                                         |        |
| Hot rolled:                               |        |        |                                         |        |
| Carbon-----                               | 35.04  | 41.60  | 36.19                                   | 42.63  |
| Alloy-----                                | 13.73  | 18.90  | 19.30                                   | 20.61  |
| Cold rolled:                              |        |        |                                         |        |
| Carbon-----                               | 11.85  | 9.35   | 9.11                                    | 9.64   |
| Alloy-----                                | 3.83   | 3.69   | 3.50                                    | 4.23   |
| Reinforcing-----                          | 26.25  | 18.49  | 23.22                                   | 14.20  |
| Light structural shapes-----              | 9.30   | 7.98   | 8.69                                    | 8.69   |
| Total-----                                | 100.00 | 100.00 | 100.00                                  | 100.00 |

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990--Continued

| Item                                    | 1988   | 1989   | January-June |        |
|-----------------------------------------|--------|--------|--------------|--------|
|                                         |        |        | 1989         | 1990   |
|                                         |        |        |              |        |
| Share of product group totals (percent) |        |        |              |        |
| Wire rod and related products:          |        |        |              |        |
| Wire rod:                               |        |        |              |        |
| Carbon-----                             | 52.83  | 47.11  | 45.77        | 46.86  |
| Alloy-----                              | 4.62   | 1.85   | 2.11         | 0.64   |
| Wire:                                   |        |        |              |        |
| Carbon-----                             | 18.96  | 18.76  | 20.37        | 18.07  |
| Alloy-----                              | 1.29   | 1.76   | 1.87         | 1.84   |
| Wire products:                          |        |        |              |        |
| Nails-----                              | 14.21  | 16.69  | 15.68        | 19.25  |
| Barbed wire-----                        | 0.61   | 0.54   | 0.65         | 0.80   |
| Wire fencing-----                       | 0.47   | 2.64   | 2.90         | 2.06   |
| Bale ties-----                          | 0.07   | 0.04   | 0.05         | 0.04   |
| Wire strand-----                        | 3.44   | 7.02   | 7.13         | 7.38   |
| Wire rope-----                          | 3.02   | 3.59   | 3.48         | 3.06   |
| Milliners wire-----                     | 0.48   | 0.00   | 0.00         | 1/     |
| Total-----                              | 100.00 | 100.00 | 100.00       | 100.00 |
| Structurals:                            |        |        |              |        |
| Heavy-----                              | 89.37  | 90.09  | 91.40        | 87.53  |
| Fabricated-----                         | 10.63  | 9.91   | 8.60         | 12.47  |
| Total-----                              | 100.00 | 100.00 | 100.00       | 100.00 |
| Rails and related products:             |        |        |              |        |
| Rails-----                              | 81.40  | 75.62  | 74.77        | 87.95  |
| Joint bars and tie plates-----          | 2.66   | 4.34   | 5.70         | 3.47   |
| Track spikes-----                       | 0.06   | 1.81   | 2.29         | 1.05   |
| Wheels and axles-----                   | 15.88  | 18.23  | 17.24        | 7.53   |
| Total-----                              | 100.00 | 100.00 | 100.00       | 100.00 |
| Pipes and tubes:                        |        |        |              |        |
| Oil country tubular goods-----          | 31.76  | 17.63  | 15.14        | 13.34  |
| Line pipe-----                          | 15.63  | 21.64  | 18.75        | 29.05  |
| Mechanical pipe-----                    | 11.76  | 11.54  | 17.21        | 7.01   |
| Structural pipe-----                    | 8.58   | 13.30  | 14.67        | 11.49  |
| Pressure tubing-----                    | 1.60   | 1.85   | 2.32         | 1.32   |
| Other (including standard)-----         | 30.66  | 34.05  | 31.91        | 37.79  |
| Total-----                              | 100.00 | 100.00 | 100.00       | 100.00 |

See footnotes at end of table.

Table 31.-- Steel mill products and certain fabricated steel products: U.S. imports for consumption of specified products and imports as a percent of major product groupings, 1988, 1989, and by specified periods, 1989 and 1990--Continued

|                                 |   |                                         |   |              |      |
|---------------------------------|---|-----------------------------------------|---|--------------|------|
|                                 | : | :                                       | : | January-June |      |
|                                 | : | :                                       | : |              |      |
| Item                            | : | 1988                                    | : | 1989         | :    |
|                                 | : |                                         | : |              | :    |
|                                 | : |                                         | : | 1989         | :    |
|                                 | : |                                         | : |              | 1990 |
|                                 |   |                                         |   |              |      |
|                                 | : | Share of product group totals (percent) |   |              |      |
|                                 | : |                                         |   |              |      |
| Stainless and alloy tool steel: | : |                                         | : |              | :    |
| Stainless:                      | : |                                         | : |              | :    |
| Semifinished:                   | : |                                         | : |              | :    |
| Ingots-----                     | : | 6.21                                    | : | 0.31         | :    |
| Blooms and billets-----         | : | 65.33                                   | : | 68.04        | :    |
| Slabs and sheet bars-----       | : | 28.45                                   | : | 31.65        | :    |
| Total-----                      | : | 100.00                                  | : | 100.00       | :    |
| Plate-----                      | : | 100.00                                  | : | 100.00       | :    |
| Sheet and strip:                | : |                                         | : |              | :    |
| Sheet:                          | : |                                         | : |              | :    |
| Hot rolled-----                 | : | 6.18                                    | : | 5.74         | :    |
| Cold rolled-----                | : | 87.34                                   | : | 79.84        | :    |
| Strip-----                      | : | 6.47                                    | : | 14.42        | :    |
| Total-----                      | : | 100.00                                  | : | 100.00       | :    |
| Bars and shapes-----            | : | 100.00                                  | : | 100.00       | :    |
| Wire rod-----                   | : | 100.00                                  | : | 100.00       | :    |
| Wire-----                       | : | 100.00                                  | : | 100.00       | :    |
| Pipe and tube-----              | : | 100.00                                  | : | 100.00       | :    |
| Alloy tool steel (all forms):   | : |                                         | : |              | :    |
| Semifinished 2/-                | : | 10.00                                   | : | 2.08         | :    |
| Bars-----                       | : | 65.47                                   | : | 3.26         | :    |
| Other-----                      | : | 24.54                                   | : | 94.66        | :    |
| Total-----                      | : | 100.00                                  | : | 100.00       | :    |

1/ Milliners wire is included in total wire products.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and sheet bars.

3/ Certain alloy refers to alloy steel other than stainless or tool steel.

Source: Compiled from official statistics of the U.S. Department of Commerce.

**Table 32.--Steel mill products and certain fabricated steel products:  
U.S. imports for consumption, by customs areas, 1988, 1989, and by  
specified periods, 1989 and 1990**

(Short tons)

| Item                            | 1988       | 1989       | January-June |           |
|---------------------------------|------------|------------|--------------|-----------|
|                                 |            |            | 1989         | 1990      |
| Atlantic Coast-----             | 4,743,215  | 3,510,909  | 2,041,866    | 1,511,792 |
| Great Lakes-Canadian border---- | 6,342,613  | 5,688,226  | 2,608,050    | 2,330,858 |
| Gulf Coast-Mexican border-----  | 5,938,464  | 4,561,954  | 2,384,783    | 2,184,367 |
| Off-shore-----                  | 403,506    | 371,695    | 225,278      | 131,722   |
| Pacific Coast-----              | 4,441,267  | 4,085,702  | 1,880,330    | 2,166,776 |
| Total-----                      | 21,869,065 | 18,218,486 | 9,140,307    | 8,325,515 |

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 33.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Atlantic Coast customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                  | 1988      | 1989      | January-June |           |
|---------------------------------------|-----------|-----------|--------------|-----------|
|                                       |           |           | 1989         | 1990      |
| Carbon and certain alloy 1/<br>steel: |           |           |              |           |
| Semifinished 2/-----                  | 471,964   | 323,401   | 185,271      | 104,980   |
| Plate-----                            | 331,537   | 216,546   | 116,984      | 105,166   |
| Sheet and strip-----                  | 1,771,637 | 1,281,884 | 750,581      | 583,860   |
| Bars and certain shapes-----          | 220,708   | 155,134   | 94,087       | 58,402    |
| Wire rod-----                         | 297,606   | 215,013   | 115,920      | 96,610    |
| Wire-----                             | 108,857   | 88,009    | 48,229       | 38,403    |
| Wire products-----                    | 220,011   | 237,679   | 118,388      | 118,738   |
| Structural shapes and units---        | 602,240   | 458,130   | 318,055      | 101,792   |
| Rails and related products---         | 36,885    | 35,669    | 18,482       | 18,185    |
| Pipe and tube-----                    | 523,784   | 340,606   | 189,589      | 195,510   |
| Total-----                            | 4,585,229 | 3,352,071 | 1,955,586    | 1,421,646 |
| Stainless and alloy tool steel:       |           |           |              |           |
| Stainless steel:                      |           |           |              |           |
| Semifinished 2/-----                  | 24,249    | 14,669    | 9,610        | 15,797    |
| Plate-----                            | 6,134     | 8,900     | 5,296        | 5,039     |
| Sheet and strip-----                  | 45,874    | 47,438    | 25,883       | 25,467    |
| Bars and certain shapes-----          | 22,371    | 22,418    | 10,922       | 8,318     |
| Wire rod-----                         | 13,526    | 16,289    | 8,383        | 8,893     |
| Wire-----                             | 10,593    | 11,848    | 6,340        | 4,918     |
| Pipe and tube-----                    | 12,391    | 14,468    | 7,637        | 11,276    |
| Tool steel (all forms)-----           | 22,848    | 22,807    | 12,208       | 10,437    |
| Total-----                            | 157,986   | 158,838   | 86,280       | 90,146    |
| Grand Total-----                      | 4,743,215 | 3,510,909 | 2,041,866    | 1,511,792 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 34.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Great Lakes-Canadian border customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                  | 1988      | 1989      | January-June |           |
|---------------------------------------|-----------|-----------|--------------|-----------|
|                                       |           |           | 1989         | 1990      |
| Carbon and certain alloy 1/<br>steel: |           |           |              |           |
| Semifinished 2/-----                  | 414,978   | 393,604   | 193,909      | 161,345   |
| Plate-----                            | 723,681   | 551,017   | 226,446      | 218,798   |
| Sheet and strip-----                  | 2,396,464 | 2,145,556 | 867,298      | 765,201   |
| Bars and certain shapes-----          | 625,771   | 650,140   | 319,846      | 249,006   |
| Wire rod-----                         | 545,070   | 466,968   | 232,269      | 236,430   |
| Wire-----                             | 253,271   | 230,319   | 129,215      | 114,901   |
| Wire products-----                    | 83,750    | 106,485   | 53,508       | 59,550    |
| Structural shapes and units-----      | 522,423   | 375,682   | 180,602      | 188,713   |
| Rails and related products-----       | 179,981   | 161,932   | 79,461       | 60,031    |
| Pipe and tube-----                    | 488,579   | 492,836   | 267,035      | 228,465   |
| Total-----                            | 6,233,970 | 5,574,539 | 2,549,589    | 2,282,440 |
| Stainless and alloy tool steel:       |           |           |              |           |
| Stainless steel:                      |           |           |              |           |
| Semifinished 2/-----                  | 34,966    | 36,980    | 22,973       | 13,762    |
| Plate-----                            | 3,246     | 2,652     | 1,080        | 2,342     |
| Sheet and strip-----                  | 33,923    | 35,682    | 14,815       | 13,904    |
| Bars and certain shapes-----          | 4,098     | 4,337     | 1,479        | 3,840     |
| Wire rod-----                         | 661       | 822       | 386          | 559       |
| Wire-----                             | 6,053     | 5,832     | 3,268        | 2,479     |
| Pipe and tube-----                    | 7,833     | 7,190     | 4,109        | 3,690     |
| Tool steel (all forms)-----           | 17,864    | 20,192    | 10,350       | 7,842     |
| Total-----                            | 108,644   | 113,688   | 58,461       | 48,418    |
| Grand Total-----                      | 6,342,613 | 5,688,226 | 2,608,050    | 2,330,858 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 35.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Gulf Coast-Mexican border customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                  | 1988      | 1989      | January-June |           |
|---------------------------------------|-----------|-----------|--------------|-----------|
|                                       |           |           | 1989         | 1990      |
| Carbon and certain alloy 1/<br>steel: |           |           |              |           |
| Semifinished 2/-----                  | 1,061,770 | 684,289   | 416,905      | 311,384   |
| Plate-----                            | 567,614   | 439,139   | 235,663      | 244,761   |
| Sheet and strip-----                  | 1,558,244 | 1,316,891 | 704,656      | 542,243   |
| Bars and certain shapes-----          | 137,056   | 157,610   | 95,285       | 62,028    |
| Wire rod-----                         | 349,946   | 220,248   | 99,277       | 106,257   |
| Wire-----                             | 64,524    | 61,675    | 32,468       | 31,003    |
| Wire products-----                    | 105,823   | 138,125   | 65,195       | 88,635    |
| Structural shapes and units-----      | 493,074   | 323,672   | 206,775      | 100,073   |
| Rails and related products-----       | 64,016    | 81,408    | 51,206       | 29,305    |
| Pipe and tube-----                    | 1,493,874 | 1,070,870 | 443,673      | 634,041   |
| Total-----                            | 5,895,942 | 4,493,927 | 2,351,101    | 2,149,731 |
| Stainless and alloy tool steel:       |           |           |              |           |
| Stainless steel:                      |           |           |              |           |
| Semifinished 2/-----                  | 3,131     | 10,462    | 7,421        | 3,478     |
| Plate-----                            | 3,233     | 4,000     | 2,141        | 1,067     |
| Sheet and strip-----                  | 16,038    | 30,331    | 12,139       | 18,364    |
| Bars and certain shapes-----          | 6,668     | 7,646     | 2,997        | 3,831     |
| Wire rod-----                         | 1,220     | 1,735     | 839          | 1,159     |
| Wire-----                             | 606       | 1,144     | 616          | 1,180     |
| Pipe and tube-----                    | 10,896    | 11,123    | 7,059        | 4,868     |
| Tool steel (all forms)-----           | 730       | 1,585     | 469          | 689       |
| Total-----                            | 42,523    | 68,027    | 33,682       | 34,636    |
| Grand Total-----                      | 5,938,464 | 4,561,954 | 2,384,783    | 2,184,367 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 36.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Off-shore customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                  | 1988    | 1989    | January-June |         |
|---------------------------------------|---------|---------|--------------|---------|
|                                       |         |         | 1989         | 1990    |
| Carbon and certain alloy 1/<br>steel: |         |         |              |         |
| Semifinished 2/-----                  | 3/      | 0       | 0            | 3/      |
| Plate-----                            | 13,906  | 7,984   | 3,062        | 3,132   |
| Sheet and strip-----                  | 72,445  | 77,155  | 32,021       | 44,813  |
| Bars and certain shapes-----          | 157,820 | 169,928 | 128,246      | 49,859  |
| Wire rod-----                         | 16,953  | 5,174   | 5,174        | 5,909   |
| Wire-----                             | 14,739  | 11,407  | 7,233        | 5,531   |
| Wire products-----                    | 10,190  | 6,070   | 3,284        | 4,027   |
| Structural shapes and units-----      | 21,786  | 28,269  | 18,334       | 5,445   |
| Rails and related products-----       | 88      | 333     | 212          | 94      |
| Pipe and tube-----                    | 93,829  | 64,215  | 26,604       | 12,863  |
| Total-----                            | 401,758 | 370,534 | 224,171      | 131,673 |
| Stainless and alloy tool steel:       |         |         |              |         |
| Stainless steel:                      |         |         |              |         |
| Semifinished 2/-----                  | 0       | 0       | 0            | 0       |
| Plate-----                            | 3/      | 1       | 3/           | 0       |
| Sheet and strip-----                  | 0       | 36      | 36           | 0       |
| Bars and certain shapes-----          | 15      | 3/      | 3/           | 0       |
| Wire rod-----                         | 0       | 0       | 0            | 0       |
| Wire-----                             | 1,690   | 810     | 758          | 22      |
| Pipe and tube-----                    | 42      | 18      | 18           | 8       |
| Tool steel (all forms)-----           | 0       | 295     | 295          | 19      |
| Total-----                            | 1,748   | 1,161   | 1,107        | 49      |
| Grand Total-----                      | 403,506 | 371,695 | 225,278      | 131,722 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

3/ Less than 0.5 short tons.

Source: Compiled from official statistics of the U.S. Department of Commerce.

Table 37.--Steel mill products and certain fabricated steel products: U.S. imports, for consumption through the Pacific Coast customs area, 1988, 1989, and by specified periods, 1989 and 1990

(Short tons)

| Item                                  | 1988      | 1989      | January-June |           |
|---------------------------------------|-----------|-----------|--------------|-----------|
|                                       |           |           | 1989         | 1990      |
| Carbon and certain alloy 1/<br>steel: |           |           |              |           |
| Semifinished 2/-----                  | 833,859   | 734,396   | 273,929      | 479,023   |
| Plate-----                            | 220,352   | 204,710   | 108,159      | 64,846    |
| Sheet and strip-----                  | 1,386,590 | 1,481,358 | 660,923      | 890,966   |
| Bars and certain shapes-----          | 219,758   | 131,492   | 69,844       | 56,594    |
| Wire rod-----                         | 265,048   | 221,015   | 96,029       | 102,127   |
| Wire-----                             | 78,336    | 81,573    | 37,714       | 39,574    |
| Wire products-----                    | 152,677   | 215,243   | 102,060      | 104,528   |
| Structural shapes and units----       | 548,943   | 454,608   | 251,001      | 129,912   |
| Rails and related products----        | 38,461    | 43,644    | 24,532       | 38,564    |
| Pipe and tube-----                    | 649,871   | 467,017   | 232,497      | 235,552   |
| Total-----                            | 4,393,893 | 4,035,056 | 1,856,689    | 2,141,685 |
| Stainless and alloy tool steel:       |           |           |              |           |
| Stainless steel:                      |           |           |              |           |
| Semifinished 2/-----                  | 61        | 10        | 0            | 3         |
| Plate-----                            | 3,233     | 2,159     | 1,070        | 1,336     |
| Sheet and strip-----                  | 22,749    | 27,032    | 12,477       | 12,758    |
| Bars and certain shapes-----          | 7,573     | 9,015     | 3,984        | 4,128     |
| Wire rod-----                         | 3,803     | 2,852     | 1,559        | 1,450     |
| Wire-----                             | 1,711     | 1,685     | 989          | 646       |
| Pipe and tube-----                    | 5,590     | 4,459     | 1,912        | 4,019     |
| Tool steel (all forms)-----           | 2,653     | 3,433     | 1,649        | 749       |
| Total-----                            | 47,373    | 50,646    | 23,641       | 25,090    |
| Grand Total-----                      | 4,441,267 | 4,085,702 | 1,880,330    | 2,166,776 |

1/ Certain alloy refers to alloy steel other than stainless or tool steel.

2/ Semifinished steel includes ingots, blooms, billets, slabs, and steel bars.

Source: Compiled from official statistics of the U.S. Department of Commerce.



Appendix A

Request Letter From the Honorable Dan Rostenkowski, Chairman  
of the Committee on Ways and Means,  
U.S. House of Representatives

ONE HUNDRED FIRST CONGRESS  
DAN ROSTENKOWSKI, ILLINOIS, CHAIRMAN

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COMMITTEE ON WAYS AND MEANS

U.S. HOUSE OF REPRESENTATIVES

WASHINGTON, DC 20515

November 27, 1989

ROBERT J. LEONARD, CHIEF COUNSEL AND STAFF DIRECTOR

PHILLIP D. MOSELEY, MINORITY CHIEF OF STAFF

The Honorable Anne Brunsdale  
Chairman  
U.S. International Trade Commission  
500 E Street, S.W.  
Washington, D.C. 20436

Dear Madam Chairman:

The Committee on Ways and Means hereby requests the United States International Trade Commission to continue providing monthly monitoring reports on the status of the steel industry through the period ending March 31, 1992. These reports should generally follow the format of, and contain the same type of information as, the reports which the Commission has been providing under investigation no. 332-226. As you know, the purpose of these reports has been to provide the Committee with factual information for use in overseeing the implementation of the steel voluntary restraint (VRA) program. The original VRA program, and therefore our request for monthly reports, was for the period ending September 30, 1989.

In light of the fact that President Bush has authorized the negotiation of transitional VRA's for an additional two-and-one-half years, and the Congress enacted legislation to provide for the enforcement of VRA's until March 31, 1992, the Committee on Ways and Means would like to continue receiving the monthly steel reports for the duration of the transitional VRA's.

Thank you for your cooperation in this matter.

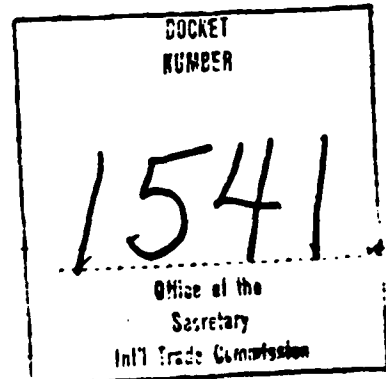
Sincerely yours,

*Dan Rostenkowski*  
Dan Rostenkowski  
Chairman

DR/jn

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**Appendix B**

**Notice of Continuation of Investigation No. 332-226 in the  
Federal Register**

the order, *viz.*, a previous denial of entry, no longer existed.

This action is taken under the authority of section 337 of the Tariff Act of 1930 (19 U.S.C. 1337). The provisions of 19 CFR 211.57(b) with respect to serving notice on all former parties to Inv. No. 337-TA-278 and allowing a period of 30 days for the filing of answers were waived by the Commission in accordance with 19 CFR 201.4(b).

By order of the Commission.

Issued: December 28, 1989.

Kenneth R. Mason,  
Secretary.

[FR Doc. 90-197 Filed 1-3-90; 8:45 am]

BILLING CODE 7030-02-M

[Investigation No. 701-TA-301  
(Preliminary)]

### Plastic Tubing Corrugators From Canada

#### Determination

On the basis of the record<sup>1</sup> developed in the subject investigation, the Commission determines,<sup>2</sup> pursuant to section 703(a) of the Tariff Act of 1930 (19 U.S.C. 1671b(a)), that there is no reasonable indication that an industry in the United States is materially injured, or is threatened with material injury, or the establishment of an industry in the United States is materially retarded, by reason of imports from Canada of plastic tubing corrugators, provided for in subheadings 8477.30.00 and 8477.40.00 of the Harmonized Tariff Schedule of the United States (formerly provided for in items 678.3535 and 678.3545 of the Tariff Schedules of the United States), that are alleged to be subsidized by the Government of Canada.

#### Background

On November 7, 1989, a petition was filed with the Commission and the Department of Commerce by Cullom Machine Tool & Die, Inc., Cleveland, TN, alleging that an industry in the United States is materially injured by reason of subsidized imports of plastic tubing corrugators and apparatus therefor from Canada. Accordingly, effective November 7, 1989, the Commission instituted preliminary countervailing duty investigation No. 701-TA-301 (Preliminary).

Notice of the institution of the Commission's investigation and of a

<sup>1</sup> The record is defined in § 207.2(h) of the Commission's Rules of Practice and Procedure (19 CFR 207.2(h)).

<sup>2</sup> Chairman Brundsdale and Vice Chairman Case dissenting.

public conference to be held in connection therewith was given by posting copies of the notice in the Office of the Secretary, U.S. International Trade Commission, Washington, DC, and by publishing the notice in the Federal Register of November 15, 1989 (54 F.R. 47583). The conference was held in Washington, DC, on November 28, 1989, and all persons who requested the opportunity were permitted to appear in person or by counsel.

The Commission transmitted its determination in this investigation to the Secretary of Commerce on December 22, 1989. The views of the Commission are contained in USITC publication 2246 (December 1989), entitled "Plastic Tubing Corrugators from Canada: Determination of the Commission in Investigation No. 701-TA-301 (Preliminary) Under the Tariff Act of 1930, Together With the Information Obtained in the Investigation."

By order of the Commission.

Issued: December 28, 1989.

[FR Doc. 90-203 Filed 1-3-90; 8:45 am]

BILLING CODE 7030-02-M

[332-226]

### Monthly Reports on the Status of the Steel Industry

AGENCY: United States International Trade Commission.

ACTION: Continuation of investigation and monthly reports.

FOR FURTHER INFORMATION CONTACT: Mr. Robert Mascola (202-252-1428), Minerals and Metals Division, U.S. International Trade Commission, Washington, DC 20438.

#### Background

As requested in a letter received on December 6, 1989, from the Chairman, Committee on Ways and Means, U.S. House of Representatives, the Commission will continue investigation No. 332-226, and will furnish to the Committee monthly reports on the status of the steel industry through March 31, 1992. This coincides with the President's program of transitional voluntary restraint agreements (VRAs).

As requested by the Committee, the reports will continue to follow the format of, and contain the same type of information as, the reports which the Commission has heretofore provided. The reports will provide historic and current year-to-date data for the industry as a whole on items such as production, employment, shipments, trade, and financial performance.

With respect to trade, information on imports of major carbon and specialty steel products (such as plate and wire) will be provided on a country-by-country basis or regional basis for each of the countries or regions subject to VRAs, and for other major suppliers. The data will show how imports of semifinished steel and other steel products relate to overall VRA limits.

In addition, information on market penetration in major products will be provided, as will information which will track imports into five major U.S. customs regions. Finally, the report will provide data on the unit values of imported steel.

Notice of institution of the investigation and of the initial series of reports was published in the Federal Register on April 23, 1988 (51 FR 15390).

Hearing impaired individuals are advised that information on this matter can be obtained by contacting our TDD terminal on (202) 252-1810

By order of the Commission.

Issued: December 29, 1989.

Kenneth R. Mason,  
Secretary.

[FR Doc. 90-195 Filed 1-3-90; 8:45 am]

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[Investigation No. 337-TA-290]

**Certain Wire Electrical Discharge Machining Apparatus and Components Thereof; Commission Decision Not To Review an Initial Determination Terminating Two Respondents on the Basis of a Consent Order; Issuance of Consent Order**

AGENCY: U.S. International Trade Commission.

ACTION: Notice.

SUMMARY: Notice is hereby given that the U.S. International Trade Commission has determined not to review an initial determination (ID) (Order No. 8) issued by the presiding administrative law judge (ALJ) granting a joint motion for termination of the investigation with respect to respondents Maruka Machinery Co., Ltd. and Maruka Machinery Corporation of America.

FOR FURTHER INFORMATION CONTACT: Craig L. McKee, Esq., Office of the General Counsel, U.S. International Trade Commission, 500 E Street, SW., Washington, DC 20438, telephone 202-252-1117. Hearing-impaired individuals are advised that information on this matter can be obtained by contacting the Commission TDD terminal on 202-252-1810.

**Appendix C**

**Definitions of Certain Terms, and Descriptions of the Products  
Subject to the Investigation**

## DEFINITIONS

1. Steel.--An alloy of iron and carbon which is malleable as first cast and which contains by weight 2 percent or less of carbon. Steel may contain other elements, but iron must predominate, by weight, over each of the other elements.

2. Carbon steel.--Steel, other than chromium, which contains by weight 2 percent or less of carbon, and in which none of the elements listed below meets or exceeds the quantity, by weight, respectively indicated:

1.65 percent of manganese, or  
 0.25 percent of phosphorus, or  
 0.35 percent of sulphur, or  
 0.60 percent of silicon, or  
 0.40 percent of copper, or  
 0.30 percent of aluminum, or  
 0.30 percent of chromium, or  
 0.30 percent of cobalt, or  
 0.40 percent of lead, or  
 0.30 percent of nickel, or  
 0.30 percent of tungsten, or  
 0.10 percent of any other metallic element.

3. Alloy steel.--Steel which contains any of the elements listed in definition 2 (above) in excess of its specified quantity.

(i) Stainless steel.--Any alloy steel which contains by weight 1.2 percent or less of carbon and 10.5 percent or more of chromium, with or without other elements.

(ii) Tool steel.--Alloy steel which contains the combinations of elements in the quantity, by weight, respectively indicated in Chapter XXII, subchapter III, section (viii) of the Harmonized Tariff Schedule of the United States (HTS).

4. Galvanized.--Steel which has been coated or plated with zinc.

5. Hot-rolled.--Steel which has been reduced to its final thickness by heating and rolling the product at elevated temperature (usually above 2,200° F).

6. Cold-rolled.--Steel which has been reduced to its final thickness by rolling the product without heating it immediately prior to the rolling operation.

7. Continuous casting.--The method of producing semifinished products in which molten steel flows evenly into a caster where it is rapidly cooled, causing it to solidify directly into semifinished products such as slabs and billets.

8. Short ton.--Two thousand (2,000) pounds.

Unlike the TSUSA system of classification, the HTS do not differentiate by dimension those steel products formerly referred to as blooms and billets, slabs and sheet bars, plate, sheet, and strip. Instead, these products are included in two larger categories: flat rolled and semifinished (described below). However, for purposes of comparability with previous Monthly Reports, and in the interest of providing useful information and coverage of the steel industry, this report will continue to designate such product categories (e.g. blooms and billets, slab and sheet bars, plate, hot-rolled and cold rolled sheet, and strip). A partial basis for classification are those definitions found in Federal Register Notice 52897, December 29, 1988.

9. Semifinished products include:

Continuous cast products of solid section, not presented in coils, whether or not subjected to primary hot-rolling.

Other products of solid section which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging, including blanks, angles, shapes, or sections.

For the purposes of this legislation semi-finished products are classified as follows:

(i) Ingots.--Castings resulting from the solidification of molten steel and having a columnar form suitable for working by rolling or forging. Ingots are included in AISI (American Iron and Steel Institute) product group No. 1A.

(A) Carbon and certain alloy ingots; provided for in items 7206.10.0000, 7206.90.0000, 7224.10.0090 of the Harmonized Tariff Schedules of the United States (HTS).

(ii) Blooms billets, slabs, and sheet bars.--Other continuous cast products solid cross section, which have not been further worked than subjected to primary hot-rolling or roughly shaped by forging including blanks for angles, shapes or sections. These products are not presented in coils and are included in AISI product group No. 1B.

(B) Carbon and certain alloy blooms and billets; provided for in items 7207.11.0000, 7207.12.0010, 7207.19.0030, 7207.19.0090, 7207.20.0025, 7207.20.75, 7207.20.0090, 7224.90.0040, 7224.90.0060 of the HTS.

(C) Carbon and certain alloy slabs and sheet bars; provided for in items 7207.12.0050, 7207.20.0045, 7224.90.0050 of the HTS.

(D) Stainless steel ingots; provided for in item 7218.10.0000 of the HTS.

(E) Stainless steel blooms and billets; provided for in items 7218.90.0010, 7218.90.0020, 7218.90.0030, 7218.90.0045, 7218.90.0055, 7218.90.0065, 7218.90.0070, 7218.90.0080, 7218.90.0090 of the HTS.

(F) Stainless steel slabs and sheet bars; provided for in item 7218.90.0035 of the HTS.

10. Flat-rolled products.--Rolled products of solid rectangular (other than square) cross section, whether perforated, corrugated, polished, or with a pattern derived from rolling, which do not conform to the definition of semifinished products above in the form of:

- coils of successively superimposed layers, or
- straight lengths, which if of a thickness less than 4.75 mm are of a width measuring at least 10 times the thickness or if of a thickness of 4.75 mm or more are of a width which exceeds 150 mm and measures at least twice the thickness. Also those products of a shape other than rectangular or square of a width of 600 mm or more, not elsewhere specified.

(i) Plates.--Flat rolled products with a thickness equal to or exceeding 4.75 mm. Plates are included in AISI product group No. 6

(A) Carbon plate; provided for in items 7208.11.0000, 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, 7210.90.1000, 7211.11.0000, 7211.12.0000, 7211.21.0000, 7211.22.0045, 7211.22.0090 of the HTS.

(B) Alloy plate; provided for in items 7225.30.3000, 7225.40.1015, 7225.40.3000, 7225.50.6000, 7226.91.5000 of the HTS.

(C) Stainless steel plate; provided for in items 7219.11.0000, 7219.12.0000, 7219.12.0030, 7219.12.0060, 7219.12.0080, 7219.21.0000, 7219.22.0000, 7219.31.0010, 7220.11.0000 of the HTS.

(ii) Sheets and strip.--Flat rolled products less than 4.75 mm in thickness. Sheet has a width equal to or exceeding 600 mm; strip width is less than 600 mm (but at least 10 times the thickness). Sheets and strip are included in AISI product group Nos. 28, 29, 29A, 30, 31, 32, 33A, 33B, 34, 325, 36, and 37. For the purposes of this investigation, sheets and strip are classified as follows:

(A) Hot-rolled carbon and alloy sheet; provided for in items 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, 7225.30.5030, 7225.40.5030, 7225.30.7000, 7225.40.7000, 7225.91.1030 of the HTS.

(B) Hot-rolled carbon and alloy strip; provided for in items 7211.19.1000, 7211.19.5000, 7211.29.1000, 7211.29.3000, 7211.29.5000, 7211.29.7030, 7211.29.7060, 7211.29.7090, 7226.91.3030, 7226.91.7000, 7226.91.8000 of the HTS.

(C) Cold-rolled carbon and alloy sheet and strip:

(a) Black plate; provided for in item 7209.24.1000 of the HTS.

(b) Electrical sheet and strip; provided for in items 7225.10.0000, 7226.10.1000, 7226.10.5030, 7226.10.5060 of the HTS.

(c) Other sheet; provided for in items 7209.11.0000, 7209.12.0030, 7209.12.0090, 7209.13.0030, 7209.13.0090, 7209.14.0030, 7209.14.0090, 7209.21.0000, 7209.22.0000, 7209.23.0000, 7209.24.5000, 7209.31.0000, 7209.32.0000, 7209.33.0000, 7209.34.0000, 7209.41.0000, 7209.42.0000, 7209.43.0000, 7209.44.0000, 7210.70.3000, 7225.50.1030, 7225.50.7000, 7225.50.8000 of the HTS.

(d) Other strip; provided for in items 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, 7212.40.1000, 7212.40.5000, 7226.92.1030, 7226.92.3030, 7226.92.5000, 7226.92.7000, 7226.92.8000, 7226.99.0000 of the HTS.

(D) Galvanized sheet and strip; provided for in items 7210.31.0000, 7210.39.0000, 7210.41.0000, 7210.49.0030, 7210.49.0090, 7210.70.6030, 7210.70.6060, 7212.21.0000, 7212.29.0000, 7212.30.1030, 7212.30.1090, 7212.30.3000, 7212.30.5000 of the HTS.

(E) Tin plate; provided for in items 7210.11.0000, 7210.12.0000, 7212.10.0000 of the HTS.

(F) Tin free; provided for in item 7210.50.0000 of the HTS.

(G) Other metallic coated; provided for in items 7210.20.0000, 7210.60.0000, 7210.70.6090, 7210.90.6000, 7210.90.90000, 7212.50.0000, 7212.60.0000 of the HTS.

(H) Stainless steel hot-rolled sheet; provided for in items 7219.13.0030, 7219.13.0060, 7219.14.0030, 7219.14.0060, 7219.23.0030, 7219.23.0060, 7219.24.0030, 7219.24.0060 of the HTS.

(I) Stainless steel cold-rolled sheet; provided for in items 7219.32.0015, 7219.32.0030, 7219.32.0045, 7219.32.0060, 7219.33.0015, 7219.33.0030, 7219.33.0045, 7219.33.0060, 7219.34.0010, 7219.34.0050, 7219.35.0010, 7219.35.0050 of the HTS.

(J) Stainless steel strip; provided for in items 7220.12.1000, 7220.12.5000, 7220.20.1000, 7220.20.6000, 7220.20.7000, 7220.20.8000, 7220.20.9000, 7220.90.0000 of the HTS.

11. Bars.-- Hot-rolled products whether or not in irregularly wound coils, which have a solid cross section along their length in the shape of circles, segments of circles, ovals, rectangles (including squares), triangles, or other convex polygons. Such products may

- have indentations, ribs, grooves or other deformations produced during the rolling process (reinforcing bars and rods);
- be twisted after rolling

For purposes of this investigation the term "bars" also includes hollow drill steel, which is a hollow product suitable for making mining drills or mining drill rods, of which the greatest external dimension of the cross-section exceeds 15 mm but does not exceed 52 mm, and of which the greatest internal dimension does not exceed one-half of the greatest external dimension. Bars and hollow drill steel are found in AISI product groups nos. 14, 14A, 15, and 16.

For the purposes of this investigation, bars and light structural shapes are classified as follows:

(i) Hot-rolled carbon bars; provided for in items 7213.390060, 7213.49.0060, 7213.50.0060, 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 of the HTS, and included in AISI product group No. 14.

(ii) Hot-rolled alloy bars; provided for in items 7227.20.0000, 7227.90.6000, 7228.20.1000, 7228.30.8000, 7228.40.0000, 7228.60.6000, 7228.80.0000 of the HTS, and included in AISI product group No. 14.

(iii) Cold-formed carbon bars; provided for in items 7215.10.0000, 7215.20.0000, 7215.30.0000, 7215.40.0000 7215.90.3000, 7215.90.5000 of the HTS, and included in AISI product group No. 16.

(iv) Cold-formed alloy bars; provided for in items 7228.20.5000, 7228.50.5000, 7228.60.8000 of the HTS, and included in AISI product group No. 16.

(v) Reinforcing carbon and certain alloy steel bars; which are hot-rolled steel bars, of solid cross section, having deformations of various patterns on their surfaces; provided for in items 7213.10.0000, 7214.20.0000 of the HTS, and included in AISI product group No. 15.

(vi) Light structural shapes; which are bar-size light shapes having a cross-sectional dimension of less than 7.62 cm provided for in items 7216.10.0010, 7216.10.0050, 7216.21.0000, 7216.22.0000, 7228.70.3060, 7228.70.3080 of the HTS, and included in AISI product group No. 14A.

(vii) Stainless steel bars and shapes; provided for in items 7221.00.0060, 7221.00.0080, 7222.10.0000, 7222.20.0030, 7222.20.0060, 7222.30.0000, 7222.40.3060, 7222.40.3080 of the HTS.

12. Wire rod and related products include:

(i) Wire rods.--Coiled, semifinished, hot-rolled products of solid cross section, approximately round in cross section, not under 14mm nor over 19mm in diameter. Wire rods are included in AISI product group No. 3.

For the purposes of this investigation, wire rod is classified as follows:

(A) Carbon steel wire rod; provided for in items 7213.31.3000, 7213.31.6000, 7213.39.0030, 7213.39.0090, 7213.41.3000, 7213.41.6000, 7213.49.0030, 7213.49.0090, 7213.50.0020, 7213.50.0040, 7213.50.0080 of the HTS.

(B) Alloy steel wire rod; provided for in items 7227.90.1030, 7227.90.2030, 7228.30.2000, 7228.50.1010, 7228.60.1030 of the HTS.

(C) Stainless steel wire rod; provided for in items 7221.00.0020, 7221.00.0040 of the HTS.

(ii) Steel wire.--Cold-formed products in coils, of any uniform solid cross section along their whole length, which do not conform to the definition of flat-rolled products. Steel wire is included in AISI product group No. 23.

For the purpose of this legislation, steel wire is classified as follows:

(A) Carbon steel wire; provided for in items 7217.11.1000, 7217.11.2000, 7217.11.3000, 7217.11.5020, 7217.11.5040, 7217.11.5060, 7217.11.5080, 7217.11.7030, 7217.11.7090, 7217.11.9000, 7217.12.1000, 7217.12.3030, 7217.12.3060, 7217.12.5000, 7217.12.7000, 7217.13.1000, 7217.13.3030, 7217.13.3060, 7217.13.5000, 7217.13.7000, 7217.19.5000, 7217.21.1000, 7217.21.3015, 7217.21.3030, 7217.21.3045, 7217.21.3060, 7217.21.3075, 7217.21.3090, 7217.21.5000, 7217.22.1015, 7217.22.1030, 7217.22.1050, 7217.22.5000, 7217.23.1015, 7217.23.1030, 7217.23.1050, 7217.23.5000, 7217.29.5000, 7217.31.1000, 7217.31.3015, 7217.31.3030, 7217.31.3045, 7217.31.3060, 7217.31.3075, 7217.31.3090, 7217.31.5000, 7217.32.1015, 7217.32.1030, 7217.32.1050, 7217.32.5000, 7217.33.1015, 7217.33.1030, 7217.33.1050, 7217.33.5000, 7217.39.5000 of the HTS.

(B) Alloy steel wire; provided for in items 7229.20.0000, 7229.90.1000, 7229.90.5015, 7229.90.5030, 7229.90.5050, 7229.90.9000 of the HTS.

(C) Stainless steel wire; provided for in items 7223.00.1015, 7223.00.1030, 7223.00.1045, 7223.00.1060, 7223.00.1075, 7223.00.5000, 7223.00.9000 of the HTS.

(iii) Carbon and certain alloy steel wire products as defined by the following:

(A) Nails and brads, spikes, staples, and tacks are fasteners, of one piece construction, made of round wire, and not including thumb tacks, staples in strip form, corrugated fasteners, glaziers' points, hook nails, ring nails, or fasteners suitable for use in power-actuated hand tools; as provided for in items 7317.00.1000, 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, 7317.00.7500, 8305.20.0000 of the HTS. Nails and staples, are included in AISI product group No. 51 (pt.).

(B) Barbed wire is a wire, or strand of twisted wires, armed with barbs or sharp points; as provided for in item 7313.00.0000 of the HTS. Barbed wire is included in AISI product group No. 52.

(C) Wire expanded metal, grill and fencing include whether or not galvanized wholly of round wire with a maximum cross-sectional diameter of 3 mm or more, having a mesh size of 100 cm<sup>3</sup> or more, whether or not such wire is covered with plastics; as provided for in items 7314.20.0000, 7314.30.1000, 7314.30.5000, 7314.41.0000, 7314.42.0000, 7314.49.3000, 7314.49.6000, 7314.50.0000 of the HTS. The products are included in AISI product group No. 50.

(D) Baling wire and ties, with or without buckles or fastenings and whether or not coated with paint or other substance; as provided for in item 7326.20.0010 of the HTS and included in AISI product group No. 53.

(E) Wire strand is two or more wires which together constitute one of the parts which are twisted together to form rope, cord, or cordage, suitable for fencing purposes, not fitted with fittings, not made up into articles, not of brass plated wire, not covered with nonmetallic material, as provided for in items 7312.10.1030, 7312.10.1050, 7312.10.1060, 7312.10.1070, 7312.10.3005, 7312.10.3015, 7312.10.3020, 7312.10.3065, 7312.10.3075, 7312.10.3080, 7312.10.3090 of the HTS. Wire strand is included in AISI product group No. 41.

(F) Wire ropes, cables, and cordage are products made by the twisting of a number of wire strands and are not covered with nonmetallic material, not fitted with fittings, not made up into articles, and, if valued 13 cents or more per pound, not of brass plated wire; as provided for in items 7312.10.6000, 7312.10.9030, 7312.10.9060, 7312.10.9090 of the HTS. Wire ropes, cables, and cordage are included in AISI product group No. 47.

13. Structurals.--Nontubular products not conforming completely to the respective specifications set forth in the HTS for semi-finished, flat-rolled, bars and rod or wire.

(i) Heavy structural shapes having a maximum cross-sectional dimension of 7.62 cm or more, and sheet piling; as provided for in items 7216.31.0000, 7216.32.0000, 7216.33.0030, 7216.33.0060, 7216.33.0090, 7216.40.0010, 7216.40.0050, 7216.50.0000, 7222.40.3020, 7222.40.3040, 7228.70.3020, 7228.70.3040, 7301.10.0000 of the HTS and are included in AISI product group 4.

(ii) Fabricated structural units, which include columns, pillars, posts, beams, girders, and similar structural units; as provided for in items 7216.60.0000, 7216.90.0000, 7222.40.6000, 7228.70.6000, 7301.20.1000, 7301.20.5000, 7308.10.0000, 7308.20.0000, 7308.40.0000, 7308.90.3000, 7308.90.6000, 7308.90.9030, 7308.90.9090, 8430.49.4000 of the HTS. These products, are included in AISI product group No. 38 and 39.

14. Rails and related railway products as defined by the following:

(i) Rails are hot-rolled steel products, whether punched or not punched, weighing not less than 8 pounds per yard, with cross-sectional shapes intended for carrying wheel loads in railroad, railway, and crane runway applications; as provided for in items 7302.10.10, 7302.10.1015, 7302.10.1020, 7302.10.1025, 7302.10.1035, 7302.10.1040, 7302.10.1045, 7302.10.0055, 7302.10.1060, 7302.10.1065, 7302.10.1075, 7302.10.1080, 7302.10.5000, 7302.10.5020, 7302.10.5040, 7302.10.5060 of the HTS. Rails are included in AISI product group Nos. 7, 8 and 41.

(ii) Joint bars are hot-rolled steel products, usually punched or slotted, designed to connect the ends of adjacent rails in track; tie plates are hot-rolled steel products which are punched to provide holes for spikes and have one or two shoulder sections as rail guides and are used to support rails in track, to maintain track gauge, and protect the ties; all the foregoing, as provided for in items 7302.20.0000, 7302.30.0000, 7302.40.0000, 7302.90.0000 of the HTS. Joint bars and tie plates are included in AISI product group Nos. 9 and 42.

(iii) Railway track spikes, of one piece construction, used to secure tie plates or ties; as provided for in item 7317.00.6530, 7317.00.6560 of the HTS. Railway track spikes are included in AISI product group No. 51 (pt.).

(iv) Railroad and railway (RR) axles and wheels, parts thereof, and axle bars; as provided for in items 8607.19.1000, 8607.19.2000 of the HTS. These articles are included in AISI product group No. 43.

15. Pipes and tubes and blanks therefor.--Tubular products, including hollow bars and hollow billets but not including hollow drill steel, of any cross-sectional configuration, by whatever process made, whether seamless, brazed, or welded and whether with an open or lock seam or joint. For the purposes of this investigation, pipes and tubes and blanks therefor are classified as follows:

(i) Oil country tubular goods, provided for in items 7304.20.1000, 7304.20.2000, 7304.20.3000, 7304.20.4000, 7304.20.5010, 7304.20.5050, 7304.20.6010, 7304.20.6050, 7304.20.7000, 7304.20.8000, 7305.20.2000, 7305.20.4000, 7305.20.6000, 7305.20.8000, 7306.20.1030, 7306.20.1090, 7306.20.2000, 7306.20.3000, 7306.20.4000, 7306.20.6010, 7306.20.6050, 7306.20.8010, 7306.20.8050 of the HTS. Oil country tubular goods are included in AISI product group No. 19.

(ii) Line pipe; provided for in items 7304.10.1020, 7304.10.1050, 7304.10.1080, 7304.10.5020, 7304.10.5050, 7304.10.5080, 7305.11.1030, 7305.11.1060, 7305.11.5000, 7305.12.1030, 7305.12.1060, 7305.12.5000, 7305.19.1030, 7305.19.1060, 7305.19.5000, 7306.10.1010, 7306.10.1050, 7306.10.5010, 7306.10.5050 of the HTS. Line pipe is included in AISI product group No. 20.

(iii) Mechanical pipe; provided for in items 7304.31.3000, 7304.31.6050, 7304.39.0050, 7304.39.0075, 7304.51.0000, 7304.51.5090, 7304.59.1000, 7304.59.6000, 7304.59.8000, 7304.90.5000, 7304.90.7000, 7306.30.1000, 7306.30.5015, 7306.30.5020, 7306.30.5035, 7306.3.5060, 7306.30.5075, 7306.50.1000, 7306.50.5030, 7306.50.5050, 7306.50.5070, 7306.60.5000, 7306.60.7000 of the HTS. Mechanical pipe is included in AISI product group 21A.

(iv) Structural pipe; provided for in items 7304.90.1000, 7304.90.3000, 7305.31.2000, 7305.31.4000, 7305.31.6000, 7306.30.3000, 7306.50.3000, 7306.60.1000, 7306.60.3000 of the HTS. Structural pipe is included in AISI product category 22A.

(v) Pressure tubing; provided for in items 7304.31.6010, 7304.39.0005, 7304.51.5030, 7304.51.5050, 7304.59.2030, 7304.59.2050, 7306.30.5010, 7306.50.5010 of the HTS. Pressure tubing is included in AISI product category 21B.

(vi) Stainless steel pipes and tubes; provided for in items 7304.41.0010, 7304.41.0050, 7304.49.0010, 7304.49.0030, 7304.49.0050, 7306.40.1000, 7306.40.5010, 7306.40.5030, 7306.40.5050, 7306.40.5070 of the HTS. Stainless steel pipes and tubes are included in AISI product categories 21C and D.

(vii) Other, including standard; provided for in items 7304.39.0010, 7304.39.0015, 7304.39.0025, 7304.39.0030, 7304.39.0040, 7304.39.0060, 7304.39.0070, 7304.39.0090, 7305.39.1000, 7305.39.5000, 7305.90.1000, 7305.90.5000, 7306.30.5025, 7306.30.5028, 7306.30.5030, 7306.30.5032, 7306.30.5040, 7306.30.5050, 7306.30.5055, 7306.30.5065, 7306.30.5070, 7306.30.5080, 7306.30.5085, 7306.30.5090, 7306.90.1000, 7306.90.5000 of the HTS. Other, including standard pipe is included in AISI product categories 18, 21E and 22B.

16. Alloy tool steel (all forms) provided for in items 7224.10.0030, 7224.90.0010, 7224.90.0020, 7224.90.0030, 7225.20.0000, 7225.30.1000, 7225.30.5060, 7225.40.1090, 7225.40.5060, 7225.50.1060, 7226.20.0000, 7226.91.1060, 7226.91.3060, 7226.92.1060, 7226.92.3060, 7227.10.0000, 7227.90.1060, 7227.90.2060, 7228.10.0010, 7228.10.0030, 7228.10.0060, 7228.30.4000, 7228.30.6000, 7228.50.1020, 7228.50.1040, 7228.50.1060, 7228.50.1080, 7228.60.1060, 7229.10.0000 of the HTS.

Alloy tool steel is included in AISI product group No. 17. Please refer to Notes section for further explanation.



Appendix D

May VRA Signatories' Ceilings Tables Based on Apparent  
Consumption Forecasts of DRI (as available)

AUG 22 1990

## A U S T R A L I A

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories           | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|----------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Steel  | 107,203                                                                    | 0.118%              | 126,500                                    | +++                        | +++                                                              | 126,500                                            |
| Coated Flat Rolled   | 19,117                                                                     | 1.015%              | 194,038                                    | +++                        | +++                                                              | 194,038                                            |
| Other Flat Rolled    | 43,690                                                                     | 0.113%              | 49,370                                     | +++                        | +++                                                              | 49,370                                             |
| Pipe and Tube        | 7,514                                                                      | 0.300%              | 22,542                                     | +++                        | +++                                                              | 22,542                                             |
| Other Finished Steel | 33,021                                                                     | 0.089%              | 29,389                                     | +++                        | +++                                                              | 29,389                                             |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

AUG 22 1990

## A U S T R I A

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories           | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s) | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling** | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|----------------------|--------------------------------------------------------------------------|---------------------|----------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Flat Rolled Products | 62,807                                                                   | 0.30%               | 188,421                                      | +++                        | +++                                                              | 188,421                                            |
| Stainless Bar        | NA                                                                       | +++                 | 312                                          | +++                        | +++                                                              | 312                                                |
| Stainless Rod        | NA                                                                       | +++                 | 312                                          | +++                        | +++                                                              | 312                                                |
| OCTG                 | 1,718                                                                    | 1.40%               | 24,052                                       | +++                        | +++                                                              | 24,052                                             |
| Other Pipe and Tube  | 5,796                                                                    | 0.30%               | 17,388                                       | +++                        | +++                                                              | 17,388                                             |
| Other Steel Products | 36,536                                                                   | 0.11%               | 40,190                                       | +++                        | +++                                                              | 40,190                                             |
| Alloy Tool Steel     | 107                                                                      | 4.00%               | 4,280                                        | +++                        | +++                                                              | 4,280                                              |

Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

+++ Export ceilings are fixed tonnages.

+++ Not yet available

AUG 22 1990

## B R A Z I L

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                  | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|-----------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Products      | 107,203                                                                    | 0.914%              | 979,835                                    | +++                        | +++                                                              | 979,835                                            |
| Billets                     | NA                                                                         | ***                 | 150,000                                    | +++                        | NA                                                               | 150,000                                            |
| Plate                       | 6,513                                                                      | 1.249%              | 81,347                                     | +++                        | +++                                                              | 81,347                                             |
| Hot Rolled Sheet and Strip  | 18,945                                                                     | 1.061%              | 201,006                                    | (7,684)                    | +++                                                              | 193,322                                            |
| Cold Rolled Sheet and Strip | 17,677                                                                     | 1.015%              | 179,422                                    | +++                        | +++                                                              | 179,422                                            |
| Cold Rolled Strip           | 704                                                                        | 2.870%              | 20,205                                     | +++                        | +++                                                              | 20,205                                             |
| Other Sheet and Strip       | 19,672                                                                     | 0.162%              | 31,869                                     | +++                        | +++                                                              | 31,869                                             |
| Tin Plate                   | 3,360                                                                      | 0.145%              | 4,872                                      | +++                        | +++                                                              | 4,872                                              |
| Electrical Sheet and Strip  | 555                                                                        | 0.181%              | 1,005                                      | +++                        | +++                                                              | 1,005                                              |
| Electrogalvanized Sheet     | 2,932                                                                      | 0.087%              | 2,551                                      | +++                        | +++                                                              | 2,551                                              |
| C/A Hot Finished Bar        | 13,302                                                                     | 1.111%              | 147,785                                    | +++                        | +++                                                              | 147,785                                            |
| C/A Cold Finished Bar       | 1,596                                                                      | 0.808%              | 12,896                                     | +++                        | +++                                                              | 12,896                                             |
| C/A Wire Rod                | 6,073                                                                      | 1.690%              | 102,634                                    | +++                        | +++                                                              | 102,634                                            |
| Angles, Shapes, Sections    | 8,955                                                                      | 0.389%              | 34,835                                     | +++                        | +++                                                              | 34,835                                             |
| Structurals                 | 6,994                                                                      | 0.160%              | 11,190                                     | +++                        | +++                                                              | 11,190                                             |
| Rail Products               | 278                                                                        | 2.807%              | 7,803                                      | +++                        | +++                                                              | 7,803                                              |
| Wire and Wire Products      | 2,029                                                                      | 1.739%              | 35,284                                     | +++                        | +++                                                              | 35,284                                             |
| Wire Strand                 | NA                                                                         | ***                 | 4,787                                      | 1,197                      | NA                                                               | 5,984                                              |
| Wire Rope                   | 171                                                                        | 0.585%              | 1,000                                      | +++                        | +++                                                              | 1,000                                              |
| Rails                       | 677                                                                        | 0.000%              | 0                                          | +++                        | +++                                                              | 0                                                  |
| OCTG                        | NA                                                                         | ***                 | 2,000                                      | +++                        | NA                                                               | 2,000                                              |
| Line Pipe                   | 1,768                                                                      | 3.523%              | 62,287                                     | +++                        | +++                                                              | 62,287                                             |
| Other Pipe and Tubes        | 4,028                                                                      | 1.635%              | 65,858                                     | 7,684                      | +++                                                              | 73,542                                             |
| Standard Pipe               | 2,214                                                                      | 2.542%              | 56,280                                     | +++                        | +++                                                              | 56,280                                             |
| Structural Pipe             | 541                                                                        | 0.908%              | 4,912                                      | +++                        | +++                                                              | 4,912                                              |
| Mechanical Pipe             | 1,081                                                                      | 0.645%              | 6,972                                      | +++                        | +++                                                              | 6,972                                              |
| Stainless and Pressure Pipe | 192                                                                        | 0.941%              | 1,807                                      | +++                        | +++                                                              | 1,807                                              |
| Specialty Products          | 389                                                                        | 2.671%              | 10,390                                     | +++                        | +++                                                              | 10,390                                             |
| Stainless Bar               | 182                                                                        | 2.464%              | 4,484                                      | +++                        | +++                                                              | 4,484                                              |
| Stainless Wire Rod and Wire | 100                                                                        | 3.204%              | 3,204                                      | +++                        | +++                                                              | 3,204                                              |
| Alloy Tool Steel            | 107                                                                        | 2.346%              | 2,510                                      | +++                        | +++                                                              | 2,510                                              |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

AUG 22 1991

## EUROPEAN COMMUNITIES

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                        | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|-----------------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Products            | 107,203                                                                    | 0.76%               | 814,743                                    | +++                        | +++                                                              | 814,743                                            |
| Slab                              | NA                                                                         | +++                 | 749,563                                    | +++                        | NA                                                               | 749,563                                            |
| Plate                             | 6,385                                                                      | 7.13%               | 455,251                                    | +++                        | +++                                                              | 455,251                                            |
| Hot Rolled Sheet                  | 18,945                                                                     | 7.29%               | 1,381,091                                  | +++                        | +++                                                              | 1,381,091                                          |
| Cold Rolled Sheet                 | 15,316                                                                     | 5.94%               | 909,770                                    | +++                        | +++                                                              | 909,770                                            |
| Black Plate                       | 453                                                                        | 12.84%              | 58,165                                     | +++                        | +++                                                              | 58,165                                             |
| Cold Rolled Strip                 | 704                                                                        | 5.34%               | 37,594                                     | +++                        | +++                                                              | 37,594                                             |
| Electrical Sheet and Strip        | 555                                                                        | 4.98%               | 27,639                                     | +++                        | +++                                                              | 27,639                                             |
| Stainless Plate                   | 128                                                                        | 5.89%               | 7,539                                      | +++                        | +++                                                              | 7,539                                              |
| Stainless Sheet and Strip         | 1,204                                                                      | 5.94%               | 71,518                                     | +++                        | +++                                                              | 71,518                                             |
| Tin Plate                         | 3,360                                                                      | 2.96%               | 99,456                                     | +++                        | +++                                                              | 99,456                                             |
| Tin-Free Steel                    | 1,131                                                                      | 4.22%               | 47,728                                     | +++                        | +++                                                              | 47,728                                             |
| Other Coated Flat Rolled Products | 14,626                                                                     | 4.51%               | 659,633                                    | +++                        | +++                                                              | 659,633                                            |
| Electrogalvanized                 | NA                                                                         | +++                 | 164,908                                    | +++                        | NA                                                               | 164,908                                            |
| Rebar                             | 6,033                                                                      | 0.09%               | 5,430                                      | +++                        | +++                                                              | 5,430                                              |
| Hot Finished Bar                  | 7,269                                                                      | 3.09%               | 224,612                                    | +++                        | +++                                                              | 224,612                                            |
| Cold Finished Bar                 | 1,596                                                                      | 6.63%               | 105,815                                    | +++                        | +++                                                              | 105,815                                            |
| Stainless Bar                     | 182                                                                        | 7.40%               | 13,468                                     | +++                        | +++                                                              | 13,468                                             |
| Carbon Wire Rod                   | 5,894                                                                      | 5.70%               | 335,958                                    | +++                        | +++                                                              | 335,958                                            |
| Stainless Wire Rod                | 57                                                                         | 13.16%              | 7,501                                      | +++                        | +++                                                              | 7,501                                              |
| Alloy Wire Rod                    | 179                                                                        | 19.68%              | 35,227                                     | +++                        | +++                                                              | 35,227                                             |
| Bar Shapes Under 80mm             | 1,683                                                                      | 2.48%               | 41,738                                     | +++                        | +++                                                              | 41,738                                             |
| Structurals                       | 6,608                                                                      | 14.15%              | 935,022                                    | +++                        | +++                                                              | 935,022                                            |
| Sheet Piling                      | 386                                                                        | 23.70%              | 91,498                                     | +++                        | +++                                                              | 91,498                                             |
| Fabricated Structurals            | NA                                                                         | ****                | 20,683                                     | +++                        | NA                                                               | 20,683                                             |
| Stainless Wire                    | 43                                                                         | 15.34%              | 6,596                                      | +++                        | +++                                                              | 6,596                                              |
| Wire Strand                       | NA                                                                         | ****                | 62,250                                     | +++                        | NA                                                               | 62,250                                             |
| Wire Rope                         | NA                                                                         | ****                | 12,250                                     | +++                        | NA                                                               | 12,250                                             |
| Carbon/Alloy Wire                 | NA                                                                         | ****                | 228,250                                    | +++                        | NA                                                               | 228,250                                            |
| Wire Products                     | NA                                                                         | ****                | 31,875                                     | +++                        | NA                                                               | 31,875                                             |
| Rails                             | 677                                                                        | 9.26%               | 62,690                                     | +++                        | +++                                                              | 62,690                                             |
| Rail Products                     | NA                                                                         | ****                | 4,875                                      | +++                        | NA                                                               | 4,875                                              |
| Total Pipe and Tube               | 7,514                                                                      | 8.82%               | 662,735                                    | +++                        | +++                                                              | 662,735                                            |
| OCTG                              | 1,718                                                                      | 9.00%               | 154,620                                    | +++                        | +++                                                              | 154,620                                            |
| Alloy Tool Steel                  | 107                                                                        | 11.02%              | 11,791                                     | +++                        | +++                                                              | 11,791                                             |
| Other Specialty Steel             | NA                                                                         | ****                | 15,125                                     | +++                        | NA                                                               | 15,125                                             |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

\*\*\* Subcategory ceiling is a fixed percentage of the larger category.

\*\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

AUG 22 1990

## FINLAND

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories               | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|--------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished            | 107,203                                                                    | 0.016%              | 17,152                                     | +++                        | +++                                                              | 17,152                                             |
| Carbon/Alloy Flat Rolled | 42,358                                                                     | 0.442%              | 187,222                                    | +++                        | +++                                                              | 187,222                                            |
| Cold Rolled Sheet        | 15,769                                                                     | 0.114%              | 17,977                                     | +++                        | +++                                                              | 17,977                                             |
| Cold Rolled Strip        | 704                                                                        | 0.457%              | 3,217                                      | +++                        | +++                                                              | 3,217                                              |
| Stainless Flat Rolled    | 1,332                                                                      | 0.978%              | 13,027                                     | +++                        | +++                                                              | 13,027                                             |
| Coated Flat Rolled       | 19,117                                                                     | 0.130%              | 24,852                                     | +++                        | +++                                                              | 24,852                                             |
| Galvanized Sheet         | 12,893                                                                     | 0.130%              | 16,761                                     | +++                        | +++                                                              | 16,761                                             |
| Bar and Rod              | 21,210                                                                     | 0.037%              | 7,848                                      | +++                        | +++                                                              | 7,848                                              |
| Carbon Cold Finished Bar | 1,306                                                                      | 0.010%              | 131                                        | +++                        | +++                                                              | 131                                                |
| Wire and Wire Products   | 2,072                                                                      | 0.024%              | 497                                        | +++                        | +++                                                              | 497                                                |
| Pipe and Tube            | 7,514                                                                      | 0.140%              | 10,520                                     | +++                        | +++                                                              | 10,520                                             |
| OCTG                     | 1,718                                                                      | 0.200%              | 3,436                                      | +++                        | +++                                                              | 3,436                                              |
| Other Steel Products     | 9,739                                                                      | 0.012%              | 1,169                                      | +++                        | +++                                                              | 1,169                                              |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

AUG 22 1990

## K O R E A

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                  | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|-----------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Steel         | 107,203                                                                    | 0.271%              | 290,520                                    | +++                        | +++                                                              | 290,520                                            |
| Plate                       | 6,385                                                                      | 1.140%              | 72,789                                     | +++                        | +++                                                              | 72,789                                             |
| Sheet and Strip             | 55,090                                                                     | 2.100%              | 1,156,890                                  | +++                        | +++                                                              | 1,156,890                                          |
| HR S & S                    | 18,945                                                                     | 2.490%              | 471,731                                    | +++                        | +++                                                              | 471,731                                            |
| CR S & S                    | 16,473                                                                     | 2.450%              | 403,589                                    | +++                        | +++                                                              | 403,589                                            |
| C/A Strip                   | NA                                                                         | +++                 | 1,375                                      | +++                        | NA                                                               | 1,375                                              |
| Coated                      | 14,626                                                                     | 1.720%              | 251,567                                    | +++                        | +++                                                              | 251,567                                            |
| Electro-Galv                | NA                                                                         | +++                 | 33,750                                     | +++                        | NA                                                               | 33,750                                             |
| Electrical                  | NA                                                                         | +++                 | 1,375                                      | +++                        | NA                                                               | 1,375                                              |
| Stainless Flat-Rolled       | 1,332                                                                      | 0.870%              | 11,588                                     | +++                        | +++                                                              | 11,588                                             |
| Bar                         | 14,898                                                                     | 0.630%              | 93,857                                     | +++                        | +++                                                              | 93,857                                             |
| Stainless Bar               | 182                                                                        | 1.560%              | 2,839                                      | +++                        | +++                                                              | 2,839                                              |
| Wire, Wire Rod & Wire Prod. | 8,145                                                                      | 2.370%              | 193,037                                    | +++                        | +++                                                              | 193,037                                            |
| Stainless Wire              | NA                                                                         | +++                 | 1,000                                      | +++                        | NA                                                               | 1,000                                              |
| C/A Wire                    | NA                                                                         | +++                 | 9,625                                      | +++                        | NA                                                               | 9,625                                              |
| Stainless Rod               | 57                                                                         | 1.930%              | 1,100                                      | +++                        | +++                                                              | 1,100                                              |
| Structurals                 | 9,632                                                                      | 1.350%              | 130,032                                    | +++                        | +++                                                              | 130,032                                            |
| Rails                       | 677                                                                        | 0.630%              | 4,265                                      | +++                        | +++                                                              | 4,265                                              |
| Fab. Structurals            | NA                                                                         | +++                 | 68,040                                     | +++                        | NA                                                               | 68,040                                             |
| Wire Rope                   | NA                                                                         | +++                 | 57,500                                     | +++                        | NA                                                               | 57,500                                             |
| Wire Strand                 | NA                                                                         | +++                 | 36,751                                     | +++                        | NA                                                               | 36,751                                             |
| Pipe & Tube                 | 7,514                                                                      | 7.670%              | 576,324                                    | +++                        | +++                                                              | 576,324                                            |
| Structural                  | 541                                                                        | 4.430%              | 23,966                                     | +++                        | +++                                                              | 23,966                                             |
| OCTG                        | 1,718                                                                      | 2.900%              | 49,822                                     | +++                        | +++                                                              | 49,822                                             |
| Standard                    | 2,214                                                                      | 17.930%             | 396,970                                    | +++                        | +++                                                              | 396,970                                            |
| Alloy Tool Steel            | 107                                                                        | 2.110%              | 2,258                                      | +++                        | +++                                                              | 2,258                                              |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

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## J A P A N

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                  | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|-----------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Steel         | 107,203                                                                    | 0.088%              | 94,339                                     | +++                        | +++                                                              | 94,339                                             |
| Plate                       | 6,513                                                                      | 0.990%              | 64,479                                     | +++                        | +++                                                              | 64,479                                             |
| Sheet and Strip             | 56,294                                                                     | 5.730%              | 3,225,646                                  | +++                        | +++                                                              | 3,225,646                                          |
| Cold Rolled Sheet and Strip | 16,473                                                                     | 4.590%              | 756,111                                    | +++                        | +++                                                              | 756,111                                            |
| Coated Sheet and Strip      | 14,626                                                                     | 11.690%             | 1,709,779                                  | +++                        | +++                                                              | 1,709,779                                          |
| Electrogalvanized           | 2,932                                                                      | 16.390%             | 480,555                                    | +++                        | +++                                                              | 480,555                                            |
| Electrical Sheet and Strip  | 555                                                                        | 6.670%              | 37,019                                     | +++                        | +++                                                              | 37,019                                             |
| Tin Plate                   | 3,360                                                                      | 5.790%              | 194,544                                    | +++                        | +++                                                              | 194,544                                            |
| Tin-Free Steel              | 1,131                                                                      | 6.620%              | 74,872                                     | +++                        | +++                                                              | 74,872                                             |
| Bar                         | 14,898                                                                     | 0.600%              | 89,388                                     | +++                        | +++                                                              | 89,388                                             |
| Cold Finished               | 1,596                                                                      | 2.000%              | 31,920                                     | +++                        | +++                                                              | 31,920                                             |
| Stainless Bar               | 182                                                                        | 10.470%             | 19,055                                     | +++                        | +++                                                              | 19,055                                             |
| Wire Rod and Wire Products  | 8,145                                                                      | 6.030%              | 491,144                                    | +++                        | +++                                                              | 491,144                                            |
| Wire Rod                    | 6,073                                                                      | 5.930%              | 360,129                                    | +++                        | +++                                                              | 360,129                                            |
| Stainless Rod               | 57                                                                         | 10.440%             | 5,951                                      | +++                        | +++                                                              | 5,951                                              |
| Structural Shapes           | 9,632                                                                      | 7.110%              | 684,835                                    | +++                        | +++                                                              | 684,835                                            |
| Rail and Rail Products      | 955                                                                        | 9.560%              | 91,298                                     | +++                        | +++                                                              | 91,298                                             |
| Fabricated Structural       | NA                                                                         | ***                 | 50,453                                     | +++                        | NA                                                               | 50,453                                             |
| Welded H-Beams              | NA                                                                         | ***                 | 30,000                                     | +++                        | NA                                                               | 30,000                                             |
| Pipe and Tube               | 7,514                                                                      | 8.650%              | 649,961                                    | +++                        | +++                                                              | 649,961                                            |
| OCTG                        | 1,718                                                                      | 9.660%              | 165,959                                    | +++                        | +++                                                              | 165,959                                            |
| Line Pipe                   | 1,768                                                                      | 15.520%             | 274,394                                    | +++                        | +++                                                              | 274,394                                            |
| Structural Pipe             | 541                                                                        | 12.000%             | 64,920                                     | +++                        | +++                                                              | 64,920                                             |
| Alloy Tool Steel            | 107                                                                        | 5.890%              | 6,302                                      | +++                        | +++                                                              | 6,302                                              |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

\*\*\* Export ceilings are fixed tonnages.

+++ Not yet available

NA Not Applicable

AUG 22 1990

## MEXICO

August 1990 Forecast of Initial Period U.S. Apparent Consumption of U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                                         | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)*** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceilings | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|----------------------------------------------------|-----------------------------------------------------------------------------|---------------------|---------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Semi-Finished Steel                                | 107,203                                                                     | 0.24%               | 257,287                                     | +++                        | +++                                                              | 257,287                                            |
| C/A Flat Rolled                                    | 42,358                                                                      | 0.28%               | 118,602                                     | +++                        | +++                                                              | 118,602                                            |
| C/A HR Sheet and Strip                             | 18,945                                                                      | 0.23%               | 43,574                                      | +++                        | +++                                                              | 43,574                                             |
| C/A CR Sheet and Strip                             | 16,473                                                                      | 0.19%               | 31,299                                      | +++                        | +++                                                              | 31,299                                             |
| Plate                                              | 6,385                                                                       | 0.70%               | 44,695                                      | +++                        | +++                                                              | 44,695                                             |
| Stainless Flat Rolled                              | 1,332                                                                       | 0.88%               | 11,722                                      | +++                        | +++                                                              | 11,722                                             |
| Coated Flat Rolled                                 | 19,117                                                                      | 0.67%               | 128,084                                     | +++                        | +++                                                              | 128,084                                            |
| Bar and Rod                                        | 21,210                                                                      | 0.99%               | 209,979                                     | +++                        | +++                                                              | 209,979                                            |
| Carbon CF Bar                                      | 1,306                                                                       | 0.53%               | 6,922                                       | +++                        | +++                                                              | 6,922                                              |
| Carbon Wire Rod                                    | 5,894                                                                       | 2.17%               | 127,900                                     | +++                        | +++                                                              | 127,900                                            |
| Stainless Bar and Rod                              | 239                                                                         | 0.03%               | 72                                          | +++                        | +++                                                              | 72                                                 |
| Angles, Shapes, Sections/Rail<br>and Rail Products | 9,632                                                                       | 0.72%               | 69,350                                      | +++                        | +++                                                              | 69,350                                             |
| Wire and Wire Products                             | 2,072                                                                       | 3.00%               | 62,160                                      | (2,285)                    | +++                                                              | 59,875                                             |
| Wire Rope                                          | 171                                                                         | 2.54%               | 4,343                                       | +++                        | +++                                                              | 4,343                                              |
| Wire Strand                                        | NA                                                                          | ***                 | 2,000                                       | +++                        | NA                                                               | 2,000                                              |
| Panels and Mesh                                    | 2,029                                                                       | 0.86%               | 17,449                                      | +++                        | +++                                                              | 17,449                                             |
| Other Wire and Wire<br>Products and Fence          | 2,029                                                                       | 1.82%               | 36,928                                      | (2,285)                    | +++                                                              | 34,643                                             |
| Pipe and Tube                                      | 7,514                                                                       | 2.55%               | 191,607                                     | (1,038)                    | +++                                                              | 190,569                                            |
| OCTG                                               | 1,718                                                                       | 2.00%               | 34,360                                      | (1,038)                    | +++                                                              | 33,322                                             |
| Line Pipe                                          | 1,768                                                                       | 3.64%               | 64,355                                      | +++                        | +++                                                              | 64,355                                             |
| Standard Pipe                                      | 2,214                                                                       | 4.21%               | 93,209                                      | +++                        | +++                                                              | 93,209                                             |
| Tool Steel                                         | 107                                                                         | 0.31%               | 332                                         | +++                        | +++                                                              | 332                                                |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

\*\*\* Export ceiling is fixed tonnage.

# For the Panels and Mesh and the Other Wire and Wire Products and Fence categories,  
Other Wire and Wire Products is used.

+++ Not yet available

NA Not Applicable

AUG 22 1990

## V E N E Z U E L A

August 1990 Forecast of Initial Period U.S. Apparent Consumption of  
Arrangement Products Subject to Export Licensing  
Reflects Initial Period of Fifteen Months\*  
(Metric Tons)

| Categories                   | Apparent<br>Consumption<br>Forecast for<br>Initial<br>Period<br>(1,000s)** | Arrangement<br>I.P. | Unadjusted<br>Initial<br>Period<br>Ceiling | Flexibility<br>Adjustments | Actual to<br>Forecasted<br>Apparent<br>Consumption<br>Adjustment | Adjusted<br>Initial<br>Period<br>Export<br>Ceiling |
|------------------------------|----------------------------------------------------------------------------|---------------------|--------------------------------------------|----------------------------|------------------------------------------------------------------|----------------------------------------------------|
| Carbon/Alloy Flat-Rolled and |                                                                            |                     |                                            |                            |                                                                  |                                                    |
| Stainless                    | 43,690                                                                     | 0.223%              | 97,429                                     | +++                        | +++                                                              | 97,429                                             |
| Coated Flat-Rolled           | 19,117                                                                     | 0.195%              | 37,278                                     | +++                        | +++                                                              | 37,278                                             |
| Bar and Rod                  | 21,210                                                                     | 0.358%              | 75,932                                     | +++                        | +++                                                              | 75,932                                             |
| Carbon Wire Rod              | 5,894                                                                      | 0.339%              | 19,981                                     | +++                        | +++                                                              | 19,981                                             |
| Rebar                        | 6,033                                                                      | 0.754%              | 45,489                                     | +++                        | +++                                                              | 45,489                                             |
| Pipe & Tube                  | 7,514                                                                      | 0.844%              | 63,418                                     | +++                        | +++                                                              | 63,418                                             |
| OCTG                         | 1,718                                                                      | 0.000%              | 0                                          | +++                        | +++                                                              | 0                                                  |
| Line                         | 1,768                                                                      | 2.246%              | 39,709                                     | +++                        | +++                                                              | 39,709                                             |
| Standard                     | 2,214                                                                      | 0.540%              | 11,956                                     | +++                        | +++                                                              | 11,956                                             |
| Other Steel Products         | 11,811                                                                     | 0.129%              | 15,236                                     | +++                        | +++                                                              | 15,236                                             |
| Semi-Finished                | 107,203                                                                    | 0.069%              | 73,970                                     | +++                        | +++                                                              | 73,970                                             |

\* Initial Period Apparent Consumption is defined as follows:

((4th quarter 1989 Actual Consumption) + (Forecasted 1990 Apparent Consumption))

\*\* For the Semi-finished Products category, Total Basic Steel Mill Products is used.

+++ Not yet available

406 22 1950

Initial Period Export Ceilings of Fixed Tonnage Countries  
Quantities in Metric Tons

## POLAND

| Product Category         | Tons   |
|--------------------------|--------|
| Plate                    | 37,500 |
| Stainless Bars           | 0      |
| Stainless Rod            | 0      |
| Wire Rod                 | 12,500 |
| Structurals              | 37,500 |
| Wire and Wire Products   | 31,250 |
| OCTG                     | 0      |
| Other Pipe & Tube        | 12,500 |
| All Other Steel Products | 12,060 |
| Alloy Tool Steel         | 440    |

## EAST GERMANY

| Product Category         | Tons   |
|--------------------------|--------|
| Flat Rolled Products     | 67,500 |
| Stainless Bars           | 0      |
| Stainless Rod            | 0      |
| Wire Rod                 | 25,000 |
| OCTG                     | 0      |
| Other Pipe & Tube        | 7,500  |
| All Other Steel Products | 12,500 |
| Alloy Tool Steel         | 0      |

## YUGOSLAVIA

| Product Category       | Tons   |
|------------------------|--------|
| Stainless Bars         | 500    |
| Stainless Rod          | 1,500  |
| Wire and Wire Products | 14,000 |
| OCTG                   | 0      |
| Other Pipe & Tube      | 11,000 |
| Other Steel Products   | 23,000 |
| Alloy Tool Steel       | 0      |

## HUNGARY

| Product Category         | Tons   |
|--------------------------|--------|
| Flat Rolled Products     | 41,250 |
| Stainless Bars           | 250    |
| Stainless Rod            | 250    |
| OCTG                     | 0      |
| All Other Steel Products | 8,125  |
| Alloy Tool Steel         | 125    |

## CZECHOSLOVAKIA

| Product Category         | Tons   |
|--------------------------|--------|
| Flat Rolled Products     | 20,000 |
| Stainless Bars           | 125    |
| Stainless Rod            | 250    |
| Wire Rod                 | 13,750 |
| OCTG                     | 2,500  |
| All Other Steel Products | 5,000  |
| Alloy Tool Steel         | 250    |

## ROMANIA

| Product Category         | Tons   |
|--------------------------|--------|
| Plate                    | 80,250 |
| Sheet & Strip            | 5,250  |
| Stainless Bars           | 200    |
| Stainless Rod            | 200    |
| OCTG                     | 2,000  |
| Other Pipe & Tube        | 27,500 |
| All Other Steel Products | 4,500  |
| Alloy Tool Steel         | 100    |

THE PEOPLE'S REPUBLIC  
OF CHINA

| Product Category         | Metric Tons |
|--------------------------|-------------|
| -----                    | -----       |
| Nails                    | 43,000      |
| All Other Steel Products | 46,737      |

## TRINIDAD AND TOBAGO

| Product Category         | Net Tons |
|--------------------------|----------|
| -----                    | -----    |
| Semi-Finished Steel      | 24,250   |
| Bars and Rod             | 111,000  |
| Wire Rod                 | 80,000   |
| All Other Steel Products | 4,750    |