

**MONTHLY REPORT  
OF THE STEEL INDU**

**THE STATUS**

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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Washington, DC 20436**

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## Monthly Review: Labor Unions in the Eastern European Steel Industry

Eastern European countries are beginning to modernize and restructure their steel industries. With a labor force of an estimated 700,000 workers,<sup>1</sup> it is, by Western standards, overmanned. In 1989, it employed nearly four times as many workers as the U.S. steel industry per ton of raw steel produced. As the economies of Eastern Europe shift more toward a market orientation, it is recognized that the steel industries will require substantially fewer workers. Labor cutbacks have already started and are likely to continue for several years, though it appears the pace will vary from country to country.

The shape of future restructuring efforts in the steel industry is likely to be influenced by new developments regarding independent trade unions. Before the recent political changes in the region, almost all labor activity was controlled by the Communist party of each country. Although Communist unions still retain control of a large portion of the labor force, they are being increasingly challenged by independent unions, which are competing for members.

The challenge for the new unions is enormous. They have little historical experience to draw on, as Communist-controlled unions did not negotiate wage levels or work conditions. Rather, their role was to facilitate fulfillment of centrally controlled production quotas. In addition, East European steelworkers have experienced little, if any, unemployment, and have been employed in a workplace that provided (with the union's support) housing, daily meals, medical clinics, vacation resorts, and cultural centers. Although workers were reportedly dissatisfied with the inequities of the system, it is still likely to be difficult for independent unions to compete with an organization that helped support so many functions.

Following is a discussion of recent developments with respect to steel unions in each of the nations of Eastern Europe:

### Poland

Although Poland's Solidarity is the most advanced independent labor movement in Eastern Europe, membership has fallen from 10 million dues-paying members in 1980 to 2 million in 1989. Steelworkers are organized under the National Metallurgical Industry Section of Solidarity (NMISS), representing about 36 plants, and 55,000 members. NMISS has drawn up its own rules and appointed representatives in each plant.<sup>2</sup> Each local union in Solidarity has a free hand to run its own operations, including finances.<sup>3</sup>

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<sup>1</sup> Colin Humphrey, Perestroika in Steel-A View of East European Markets, Metal Bulletin's 3rd European steel conference, Munich, Germany, October 29-31, 1989, p. 11. Employment levels may also include workers involved in non-steel activities (e.g. affiliated food services, recreation planners, etc).

<sup>2</sup> International Metalworkers Federation (IMF) Report on Metalworkers in Eastern Europe, April 1990, p. 13. See also, United Steel Workers of America (USWA), How Can We Help Polish Steelworkers?, Report and recommendation of USWA delegation which visited Solidarnosc leaders at seven steel works in Poland, April 17-29, 1990.

<sup>3</sup> IMF, p. 13.

The Communist union, OPZZ, was set up in 1982 and currently has 6 million total members (inclusive of all industries). It has control over certain social benefits distributed in the workplace, and for this reason workers still retain membership. In addition, it is supported by local plant management, which is linked to the local administration controlled by Communist functionaries.<sup>4</sup>

According to Polish law, Solidarity and OPZZ can compete for members at the plant level. Both provide benefits (such as birth, death, and disability benefits). The local union at Katowice Steel Works estimates that these benefits cost the local solidarity union about 90 percent of its monthly income of about \$2,000. Dues at both unions are set at 1 percent of pay, of which 75 percent goes to the local union, 21 percent to the regional organization and 4 percent to national unions (i.e. AFL-CIO equivalents). Of 44,200 total employees at four steel plants (Warsaw, Katowice, Czestochava and Ostrowiec), 18,600 workers belong to Solidarity and 14,200 workers belong to the OPZZ. Members of both unions are elected from each department of the steel mill to a Work Committee which reviews management plans and activities. Steelworks cannot be sold to private owners without the committee's approval.<sup>5</sup>

In terms of economic conditions, the typical steelworker earns about \$100 per month for about 180 hours of work. Bonuses normally yield an extra month's pay. A 42 percent tax levy is paid by the plant, out of which expenses are paid for such benefits as medical care, pension, and education.<sup>6</sup>

#### Hungary

In Hungary, most steelworkers are members of the Iron, Metal and Electric Energy Industry Workers (VASAS), a branch of the reformed Communist union (MSZOSZ). VASAS comprises 530,000 total members, including 60,000 apprentices and 100,000 pensioners, representing around 75 percent unionization. The leadership, elected by secret ballot, is reportedly headed by a reformed Communist. MSZOSZ has adopted programs comparable to free trade unions, drawing together 86 unions with a combined membership of 3.8 million.<sup>7</sup>

The Democratic League of Independent Free Trade Unions, Hungary's first free trade union group (which appears to include a small portion of the country's steel industry), has recently made a proposal to the Hungarian Parliament which would:<sup>8</sup> (1) allow every worker to reconsider his or her union affiliation; (2) make the Communist union and its successor organizations account for their assets (and provide a reassessment of such assets), and (3) abolish the privileges that MSZOSZ has with respect to holiday resorts, most of which are owned and maintained by the government.

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<sup>4</sup> IMF, p. 14. The report notes that the communist control over local administration may have changed somewhat after recent elections.

<sup>5</sup> USWA, Poland, p. 6.

<sup>6</sup> Ibid, p. 8, 10, 22.

<sup>7</sup> IMF, pp. 18-19.

<sup>8</sup> Statement of the Democratic League of Independent Trade Unions of Three Proposals Made in the Parliament Concerning the Trade Unions, fax to AFL-CIO, June 12, 1990.

### Czechoslovakia

In November 1989, more than 5 million workers participated in a general strike that closed down the Czechoslovak industry and led to changes in the government. Subsequently on March 2, 1990, strike committees dissolved the old Communist trade unions, transferring property and assets valued between \$200 million and \$400 million to the free Czechoslovak Confederation of Trade Unions (CCTU).

Czechoslovakian steelworkers have a large representation in the Czechoslovak Metalworkers Trade Union (KOVO), a part of the CCTU, which has an estimated 1.2 million total members (the largest in the country). The main concern of KOVO is to organize on the basis of "one workplace, one union." It is also concerned with workers' rights, the role of the union in the post-Communist system, the pace of the government's privatization program, the workplace environment, the establishment of safety standards and their enforcement, and the need to train union leaders. Seventy-five percent of the union leaders have reportedly never held a union position before. A recent 10 percent decline in KOVO membership is attributed to a concern of rising unemployment due to the union's inability to defend members' interest in the transformation to a market economy.<sup>9</sup> USWA visitors observed that further significant unemployment is likely to occur as manhours per ton of steel produced are moved closer to Western standards.

During March, workers in Slovakia created a separate branch of the CCTU, called the Independent Slovak Union (NSO), which has 1.2 million members (including steelworkers). Slovak leaders are apparently concerned that economic reforms will constitute a greater burden for Slovakia than for the Czech lands of Bohemia and Moravia. For example, a reduction of the armament industry will lead to an estimated 80,000 Slovak job loss in all industries, but only 8,000 for Czech workers.<sup>10</sup>

During their visit, U.S. union officials attended negotiations at the Slovak Kosice plant, the largest single steel mill in Czechoslovakia. A new annual contract was reportedly negotiated between the plant manager and the union leader in three hours. As had been the custom, the agreement contained no wage, pension, insurance or other similar economic benefit provisions. Rather, it dealt with the expenditures of predetermined sums for benefits such as health, vacation, and cafeterias. Ratification was reportedly a formality. According to the plant manager, future negotiations are likely to be more comprehensive.

Union dues, which are one percent of after-tax earnings, help pay for a variety of social and cultural benefits for members and their families provided by each local union. Special benefits are also provided, including

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<sup>9</sup> IMF, pp. 15-17.

<sup>10</sup> Report to the AFL-CIO Executive Council, AFL-CIO President Lane Kirkland's visit to Poland, Hungary and Czechoslovakia: April 17-May 2, 1990, pp. 18-19. The Bulletin, prepared by the AFL-CIO Department of International Affairs, March 1990, p. 4.

interest-free loans, subsidized plant cafeterias, and workers' and children's vacations. Steelworkers' salaries range from \$60 to \$320 per month, the average pre-tax income being about \$195. Rents, food and other necessities are subsidized by the government.<sup>11</sup>

#### Romania

After the fall of the Communist government in late 1989, workers in the largest steel plants simply stopped paying union dues to the old Communist unions and organized themselves into several smaller, independent unions within a plant. The old Communist union, the GTUC, is still in existence under the name of Union of Free Trade Unions (UFTU) with the staff and the old infrastructure of the GTUC, although some of its Communist leaders have been dismissed.<sup>12</sup>

Metarom, a new independent union of steel mills and other metalworking plants, came into existence in April 1990, with some 140,000 members in 35 plants. At the same time, another union, Metallurgical Federation, which has ties to UFTU, was set up in competition with Metarom, establishing small union groups.<sup>13</sup>

Union dues for steelworkers are one percent of earnings. The wage system is the same throughout Romanian steel plants, and is believed (based on salaries at a heavy machinery plant) to average about \$75 per month (at 40 lei per dollar) and range between \$55 and \$200.<sup>14</sup>

#### East Germany

The East German trade union situation differs from other ex-Soviet satellite countries since East German trade unions will be depending on the assistance of West German unions and the government. Soon after the downfall of the Communist government, IG Metal, the West German metalworkers union representing steelworkers, opened eight offices in key East German cities to link metalworkers in the two parts of Germany. IG Metal is especially concerned that the eastward rush of German capital and the following restructuring of the steel industry and unemployment will weaken the social structure of all German workers and trade unions. Also, concern exists that with unification and growing unemployment, trade union rights similar to those in West Germany will be ignored.<sup>15</sup> West German unions express concern that since many workers stopped paying union dues in opposition to years of Communist rule, it may be difficult to reimpose such dues.<sup>16</sup>

#### Bulgaria

In Bulgaria, reformed Communist-controlled unions are still firmly in power, changing their name in February 1990 to the Confederation of Independent Unions in Bulgaria (CIUB). It has 412,000 total members organized in 723

<sup>11</sup> USWA, Czechoslovakia, Romania and Hungary, pp. 28-31.

<sup>12</sup> USWA, Czechoslovakia, Romania and Hungary, pp. 28-31, 35.

<sup>13</sup> IMF, pp. 21-23. Also, USWA, Czechoslovakia, Romania and Hungary, p. 16.

<sup>14</sup> USWA, Czechoslovakia, Romania and Hungary, pp. 36-37.

<sup>15</sup> IMF, p. 28.

<sup>16</sup> IMF, p. 29.

factory branches. There are, however, currently an estimated 100 newly formed independent trade unions, the largest being Podkrepa (which means support) with an estimated total membership (all industries) of 150,000. One of Podkrepa's union groups represents an estimated 6,000 steelworkers. Despite the power of the Communist CIUB, Podkrepa is accorded desk space and workers are allowed to allocate one percent of their weekly wages to Podkrepa.<sup>17</sup> The CIUB also extends benefits to Podkrepa members such as inexpensive lunches at the workplace, advantageous home-building loans, subsidized recreational activities and access to company or CIUB owned holiday centers.<sup>18</sup> However, Podkrepa unions still lack many facilities requested to conduct business (such as offices and telephones).<sup>19</sup>

### Outlook

As economic systems are modified, East European independent steel unions appear to have two immediate objectives. One is to compete for members in the still Communist-dominated unions and establish themselves as effective bargaining agents with private and publicly owned enterprises. This appears likely to be a slow process that will take years. East European union leaders apparently realize that they lack the knowledge and experience needed to operate unions in more open economies.<sup>20</sup> For this reason, they are asking for training, contacts, and education in these areas from the U.S., Western European and international trade unions; such assistance has already begun to be offered.

The second objective is to search for an orderly transition to private ownership without experiencing significant unemployment and inflation. Union leadership, however, apparently agrees that sizeable reductions will have to occur in steel employment. In some major plants in Hungary and Poland, employment cuts on the order of 30 to 50 percent are already in the process of being made.<sup>21</sup> Unions will apparently be a significant force in the restructuring of East European steel industries, as workers seek assurance for job security, better wages and a sharing of the benefits of a restructured steel industry. They are also increasingly drawn to ESOP type ownership which would give them an ownership interest in the plants.

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<sup>17</sup> AFL-CIO Bulletin, March 1990, p. 4.

<sup>18</sup> Radio Free Europe report, Trade Unions and Their Potential to Mobilize, Munich, April 5, 1990, by Kjell Engelbrekt.

<sup>19</sup> IMF Report, pp. 24-27.

<sup>20</sup> USWA, Steel labor, May, June, July 1990, pp. 22-23.

<sup>21</sup> American Metal Market, "Polish Mill Eyes West as Savior," July 24, 1990.

Monthly Review:  
Selected Industry and Trade Topics

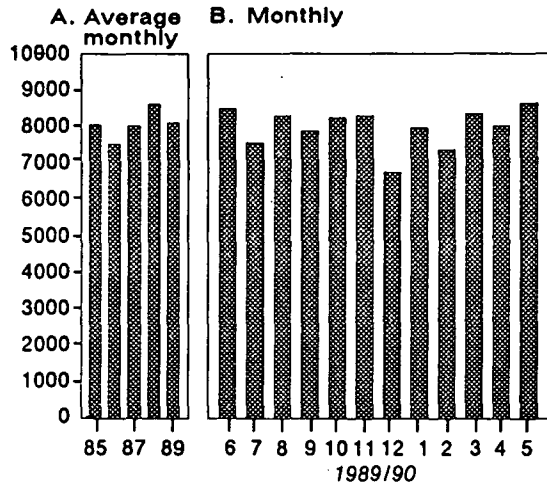
Subject Index

	<u>USITC</u>	<u>Date</u>
	<u>Publication</u>	
Specialty steel products-----	2088	6/88
Pipe and tube products-----	2092	7/88
Steel pricing: domestic and international developments-----	2102	8/88
Wire rod, wire and wire products-----	2114	9/88
U.S. trade in tinplate-----	2130	10/88
Steel rebar: domestic market and trade-----	2134	11/88
Heavy structural shapes-----	2141	12/88
Imports by customs areas-----	2146	1/89
Wire rope and strand-----	2153	2/89
Annual summary of trade with VRA and non-VRA countries; product trade assessment-----	2162	3/89
Imports of pipe and tube products-----	2175	4/89
Specialty steel imports-----	2184	5/89
Imports of semifinished steel-----	2195	6/89
Wire rod-----	2202	7/89
Steel prices-----	2134	8/89
Special quality steel bars-----	2215	9/89
Specialty steel-----	2227	10/89
Galvanized sheet and strip-----	2230	11/89
Structural steel shapes and units-----	2241	12/89
VRAs: 1989 to 1992-----	2248	1/90
Developments in the Korean Steel Industry-----	2258	2/90
Developments in the East European Steel Industry---	2262	3/90
Developments in the African Steel Industry-----	2270	4/90
Developments in the Soviet Steel Industry-----	2283	5/90
Developments in the French Steel Industry-----	2290	6/90
Developments in the Japanese Steel Industry-----	2298	7/90
Labor Unions in the East European Steel Industry---	2301	8/90

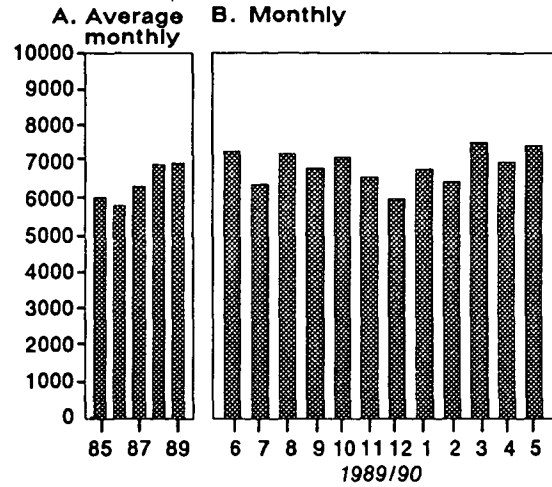


## U.S. STEEL INDUSTRY HIGHLIGHTS

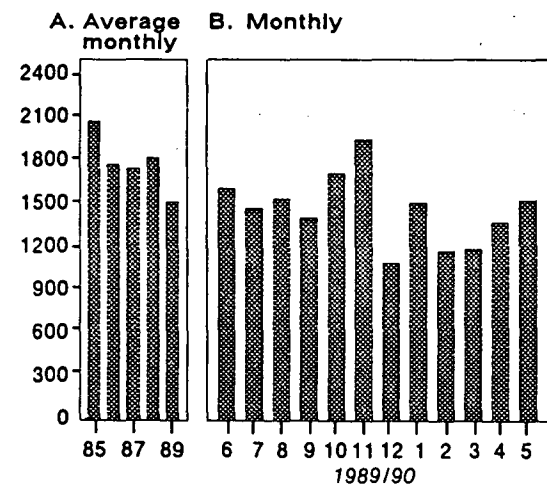
**Figure 1**  
U.S. apparent steel consumption  
1,000 short tons



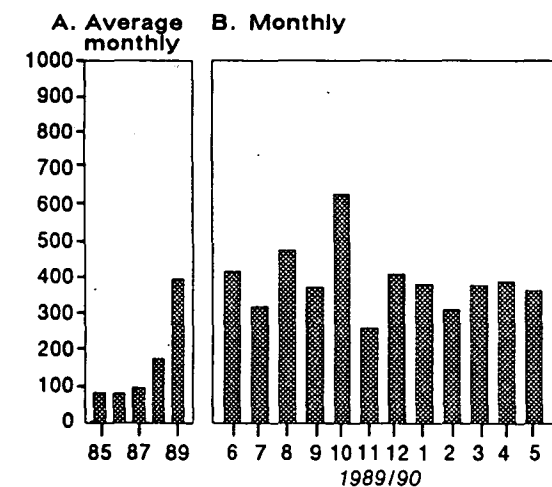
**Figure 2**  
U.S. steel shipments  
1,000 short tons



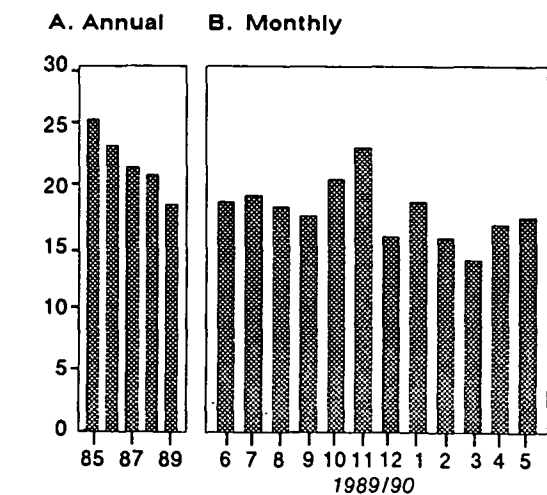
**Figure 3**  
U.S. steel imports  
1,000 short tons



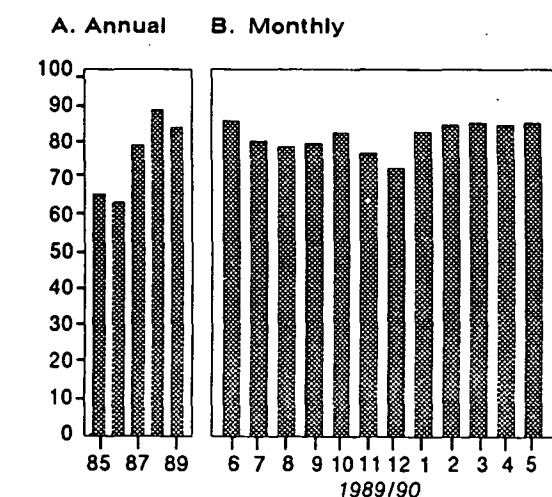
**Figure 4**  
U.S. steel exports  
1,000 short tons



**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	Second	Third
		Period 1/	Period 1/	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.

## CONTENTS

	<u>Page</u>
Monthly Review: Selected Topics on the Steel Industry-----	i
Monthly Review Index-----	vi
U.S. Steel Industry Highlights-----	vii
Preface-----	viii
Appendix A: Request letter from the Honorable Dan Rostenkowski, Chairman of the Committee on Ways and Means, U.S. House of Representatives-----	A-1
Appendix B: Notice of continuation of investigation No. 332-226 in the Federal Register-----	B-1
Appendix C: Definitions of certain terms, and descriptions of the products subject to the investigation-----	C-1

## Tables

1. Steel: U.S. raw steel production, capability utilization, employ- ment, wages, shipments, imports, exports, apparent consumption, net sales, and net income, 1985-89, and by specified periods, 1989 and 1990-----	1
2. Steel mill products and certain fabricated steel products: U.S. producers' shipments, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	2
3. Steel mill products and certain fabricated steel products: U.S. imports, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	3
4. Steel mill products and certain fabricated steel products: U.S. exports of domestic merchandise, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	4
5. Steel mill products and certain fabricated steel products: Apparent U.S. consumption, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	5
6. Steel mill products and certain fabricated steel products: U.S. imports as a percent of apparent consumption, by product and grade of steel, 1985-89, and by specified periods, 1989 and 1990-----	6
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-----	7
8. Steel other than semifinished steel: 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-----	9



## CONTENTS

## Tables

9.	Semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	11
10.	Carbon and certain alloy semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	12
11.	Carbon and certain alloy steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	14
12.	Carbon and certain alloy steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	16
13.	Carbon and certain alloy steel bar and light shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	18
14.	Carbon and certain alloy steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	20
15.	Carbon and certain alloy steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	22
16.	Carbon and certain alloy steel wire products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	24
17.	Carbon and certain alloy steel structural shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	26
18.	Carbon and certain alloy steel rails and related products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	28
19.	Carbon and certain alloy steel pipe and tube: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	30
20.	Total, carbon and certain alloy steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	32
21.	Stainless semifinished steel: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	34
22.	Stainless steel plate: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	36
23.	Stainless steel sheet and strip: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	38
24.	Stainless steel bars and shapes: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	40

## CONTENTS

## Tables

25. Stainless steel wire rod: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	42
26. Stainless steel wire: U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	44
27. Stainless steel pipe and tube: U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	46
28. Alloy tool steel (all forms): U.S. imports for consumption by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	48
29. Total, stainless and alloy tool steel products: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	50
30. Steel mill products and certain fabricated steel products: Unit value of U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990-----	52
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-----	54
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-----	60
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-----	61
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-----	62
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-----	63
36. Steel mill products and certain fabricated steel products: U.S. imports for consumption, through Off-shore customs area, 1988, 1989, and by specified periods, 1989 and 1990-----	64
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-----	65

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-May	
						1989	1990
<b>Raw steel:</b>							
Production (1,000 short tons)...	88,259	81,606	89,151	99,924	97,943	43,133	41,148
Capability utilization (percent).....	66.1	63.8	79.5	89.2	84.5	89.9	85.0
Continuously cast (percent).....	44.4	55.2	59.8	61.3	64.8	62.6	67.4
<b>Employment:</b>							
Total (thousands) <sup>1</sup> .....	302.6	273.5	268.4	277.2	274.3	277.3	267.9
Production workers (thousands) <sup>1</sup> .....	231.5	208.8	202.9	214.6	211.6	213.5	205.9
Hourly employment cost <sup>2</sup> (dollars).....	22.81	23.24	23.71	24.65	24.63	24.54	25.55
<b>Steel:</b>							
Shipments (1,000 short tons)....	73,043	70,263	76,654	83,840	84,100	35,793	35,485
Imports (1,000 short tons).....	24,885	21,289	20,938	21,869	18,219	7,516	6,786
Exports (1,000 short tons).....	992	980	1,176	2,152	4,778	1,583	1,838
Apparent consumption (1,000 short tons).....	96,936	90,572	96,416	103,558	97,541	41,743	40,434
Ratio of imports to consumption (percent).....	25.7	23.5	21.7	21.1	18.7	18.0	16.8
<b>Steel operations:</b>							
Net steel sales (million dollars).....	28,272	24,875	26,933	32,466	31,969	<sup>3</sup> 8,249	<sup>3</sup> 8,143
Net steel income <sup>4</sup> (million dollars).....	(1,834)	(4,150)	1,077	(567)	1,478	<sup>3</sup> 663	<sup>3</sup> 314
Ratio of income to net sales (percent).....	(6.5)	(16.7)	4	(1.7)	4.6	<sup>3</sup> 8.0	<sup>3</sup> 3.9

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

<sup>2</sup>Total employment costs (including benefits) of employees receiving wages.

<sup>3</sup>First quarter.

<sup>4</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-May	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	1,374,524	1,485,249	1,593,216	1,927,658	1,850,245	817,581	785,163
Plate-----	4,327,347	3,564,806	4,047,919	7,327,887	7,293,115	2,876,450	3,380,536
Sheet and strip-----	40,850,298	40,493,141	43,288,266	44,707,915	45,376,975	19,514,287	18,249,069
Bars & certain shapes 1/-----	12,667,539	12,171,142	13,575,114	14,488,773	14,510,007	6,129,427	6,372,363
Wire rod-----	2,961,769	3,463,827	3,840,494	4,048,230	4,229,889	1,712,863	1,774,265
Wire-----	874,135	802,259	800,063	1,072,698	1,005,407	444,746	424,130
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	2,324,894	2,371,643
Rails & related products-----	931,313	640,197	514,647	615,303	544,771	310,587	215,805
Pipe and tube-----	4,095,825	2,836,458	3,569,647	4,443,251	4,010,591	1,637,588	1,912,398
<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>35,792,542</b>	<b>35,485,372</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	782,164	734,944
Plate-----	4,185,883	3,448,947	3,888,838	7,145,009	7,123,691	2,799,638	3,291,503
Sheet and strip-----	40,018,167	39,693,739	42,347,623	43,663,695	44,419,414	19,082,469	17,846,817
Bars & certain shapes-----	12,478,002	11,996,343	13,391,238	14,284,744	14,304,189	6,042,331	6,287,595
Wire rod-----	2,931,897	3,427,428	3,792,740	3,990,472	4,193,118	1,695,688	1,759,279
Wire-----	851,841	777,604	773,329	1,043,112	980,707	432,774	414,552
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	2,324,894	2,371,643
Rails & related products-----	931,313	640,197	514,647	615,303	544,771	310,587	215,805
Pipe and tube-----	4,046,771	2,794,218	3,527,867	4,387,761	3,962,470	1,615,226	1,892,653
<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>35,109,890</b>	<b>34,814,791</b>
<b>Stainless &amp; alloy tool steel:</b>							
Semifinished-----	46,758	49,587	77,064	76,461	96,996	35,417	50,219
Plate-----	141,464	115,859	159,081	182,878	169,424	76,812	89,033
Sheet and strip-----	832,131	799,402	940,643	1,044,220	957,561	431,818	402,252
Bars & certain shapes-----	129,267	119,024	125,441	139,752	138,618	59,136	61,366
Wire rod-----	29,872	36,399	47,754	57,758	36,771	17,175	14,986
Wire-----	22,294	24,655	26,734	29,586	24,700	11,972	9,578
Pipe and tube-----	49,054	42,240	41,780	55,490	48,121	22,362	19,745
Tool steel (all forms)-----	60,270	55,775	58,435	64,277	67,200	27,960	23,402
<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>682,652</b>	<b>670,581</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-May	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	2,440,368	2,084,322	2,288,995	2,844,979	2,197,811	873,469	888,925
Plate-----	1,772,309	1,456,790	1,566,694	1,872,937	1,437,109	573,096	513,662
Sheet and strip-----	9,046,089	8,278,604	7,875,891	7,303,964	6,443,362	2,501,400	2,351,569
Bars & certain shapes 1/-----	1,550,559	1,476,368	1,359,758	1,445,932	1,356,035	602,730	425,820
Wire rod-----	1,476,145	1,362,753	1,467,030	1,493,833	1,150,116	467,872	449,050
Wire-----	612,485	582,022	555,981	540,380	494,303	219,713	198,073
Wire products-----	674,960	636,591	649,377	572,451	703,602	278,944	313,556
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	824,288	405,589
Rails & related products--	382,046	275,710	245,988	319,432	322,985	153,638	127,790
Pipe and tube-----	4,489,287	2,956,303	2,775,091	3,286,690	2,472,802	1,020,617	1,111,969
<b>Total-----</b>	<b>24,884,651</b>	<b>21,289,120</b>	<b>20,938,474</b>	<b>21,869,065</b>	<b>18,218,486</b>	<b>7,515,767</b>	<b>6,786,003</b>
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	2,430,078	2,066,700	2,232,270	2,782,572	2,135,690	842,920	865,368
Plate-----	1,760,812	1,440,375	1,555,577	1,857,090	1,419,396	564,769	505,429
Sheet and strip-----	8,910,469	8,127,033	7,746,596	7,185,380	6,302,844	2,447,863	2,294,676
Bars & certain shapes-----	1,475,447	1,393,731	1,281,168	1,361,113	1,264,305	566,365	391,708
Wire rod-----	1,456,078	1,344,256	1,448,720	1,474,623	1,128,417	459,080	439,403
Wire-----	590,317	564,481	536,897	519,727	472,984	209,532	190,552
Wire products-----	674,960	636,591	649,377	572,451	703,602	278,944	313,556
Structural shapes & units--	2,440,403	2,179,657	2,153,669	2,188,467	1,640,361	824,288	405,589
Rails & related products--	382,046	275,710	245,988	319,432	322,985	153,638	127,790
Pipe and tube-----	4,457,277	2,923,029	2,748,644	3,249,937	2,435,544	1,003,514	1,091,336
<b>Total-----</b>	<b>24,577,887</b>	<b>20,951,563</b>	<b>20,598,906</b>	<b>21,510,792</b>	<b>17,826,128</b>	<b>7,350,913</b>	<b>6,625,407</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	10,290	17,622	56,725	62,407	62,121	30,549	23,558
Plate-----	11,497	16,415	11,118	15,847	17,713	8,327	8,233
Sheet and strip-----	135,620	151,571	129,295	118,584	140,519	53,537	56,893
Bars & certain shapes-----	37,970	37,888	37,991	40,724	63,417	15,653	17,216
Wire rod-----	20,067	18,496	18,311	19,210	21,698	8,792	9,647
Wire-----	22,169	17,541	19,084	20,653	21,319	10,181	7,521
Pipe and tube-----	32,009	33,274	26,448	36,752	37,258	17,103	20,632
Tool steel (all forms)-----	37,142	44,749	40,599	44,095	48,313	20,713	16,895
<b>Total-----</b>	<b>306,764</b>	<b>337,556</b>	<b>339,571</b>	<b>358,272</b>	<b>392,358</b>	<b>164,855</b>	<b>160,595</b>

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-May	
						1989	1990
<b>All grades of steel:</b>							
Semifinished	89,708	58,885	73,543	61,430	390,812	55,428	315,767
Plate	82,988	69,565	96,538	119,393	630,689	299,931	142,609
Sheet and strip	375,396	507,420	556,991	1,374,056	2,521,649	800,460	780,271
Bars & certain shapes 1/	99,096	81,224	121,869	141,461	258,640	82,717	141,862
Wire rod	4,740	5,876	8,217	10,161	36,093	9,844	23,449
Wire	19,146	26,760	26,669	36,668	31,344	11,386	21,402
Wire products	19,253	24,731	23,257	27,847	32,160	9,472	17,202
Structural shapes & units	89,031	71,525	101,373	111,614	260,750	89,373	195,563
Rails & related products	13,430	13,131	15,755	18,855	86,464	28,581	31,564
Pipe and tube	199,258	121,050	152,155	250,390	442,992	196,305	167,890
<b>Total</b>	<b>992,046</b>	<b>980,167</b>	<b>1,176,367</b>	<b>2,151,875</b>	<b>4,691,593</b>	<b>1,583,497</b>	<b>1,837,579</b>
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished	82,650	57,932	71,362	58,598	376,984	51,147	313,247
Plate	74,957	66,042	92,057	107,546	623,412	296,005	138,255
Sheet and strip	349,620	477,803	501,010	1,328,485	2,475,995	779,826	755,745
Bars & certain shapes	89,241	72,134	111,619	124,911	223,749	64,326	133,602
Wire rod	3,716	5,049	6,889	8,676	30,588	8,077	20,589
Wire	17,182	24,033	22,863	32,209	28,730	10,334	20,242
Wire products	19,253	24,731	23,257	27,847	32,160	9,472	17,202
Structural shapes & units	89,031	71,525	101,373	111,614	260,750	89,373	195,563
Rails & related products	13,430	13,131	15,755	18,855	86,464	28,581	31,564
Pipe and tube	193,309	118,010	143,405	244,192	434,925	192,740	161,415
<b>Total</b>	<b>932,389</b>	<b>930,390</b>	<b>1,089,590</b>	<b>2,062,933</b>	<b>4,573,757</b>	<b>1,529,881</b>	<b>1,787,424</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished	7,058	953	2,181	2,833	13,829	4,281	2,520
Plate	8,031	3,523	4,481	11,847	7,277	3,926	4,554
Sheet and strip	25,776	29,617	55,981	45,571	45,653	20,634	24,526
Bars & certain shapes	7,762	6,946	7,189	12,047	16,399	6,990	6,812
Wire rod	1,024	828	1,328	1,486	5,505	1,767	2,860
Wire	1,964	2,728	3,806	4,459	2,614	1,052	1,159
Pipe and tube	5,948	3,040	8,751	6,198	8,067	3,566	6,474
Tool steel (all forms)	2,094	2,144	3,061	4,502	18,492	11,401	1,448
<b>Total</b>	<b>59,657</b>	<b>49,779</b>	<b>86,778</b>	<b>88,943</b>	<b>117,836</b>	<b>53,617</b>	<b>50,153</b>

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-May	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	3,725,184	3,510,686	3,808,668	4,711,207	3,657,244	1,635,622	1,358,321
Plate-----	6,016,668	4,952,031	5,518,075	9,081,431	8,099,535	3,149,615	3,751,589
Sheet and strip-----	49,520,991	48,264,325	50,607,166	50,637,823	49,298,688	21,215,227	19,820,367
Bars & certain shapes 1/-----	14,119,002	13,566,286	14,813,003	15,793,244	15,607,402	6,649,440	6,656,321
Wire rod-----	4,433,174	4,820,704	5,299,307	5,531,902	5,343,912	2,170,891	2,199,866
Wire-----	1,467,474	1,357,521	1,329,375	2,121,014	2,139,808	946,664	897,155
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	3,059,809	2,581,669
Rails & related products-----	1,299,929	902,776	744,880	915,880	781,292	435,644	312,031
Pipe and tube-----	8,385,854	5,671,711	6,192,583	7,479,551	6,040,401	2,461,900	2,856,477
<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>41,724,812</b>	<b>40,433,796</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	1,573,937	1,287,065
Plate-----	5,871,738	4,823,280	5,352,358	8,894,553	7,919,675	3,068,402	3,658,677
Sheet and strip-----	48,579,016	47,342,969	49,593,209	49,520,590	48,246,263	20,750,506	19,385,748
Bars & certain shapes-----	13,864,208	13,317,940	14,560,787	15,520,946	15,344,745	6,544,370	6,545,701
Wire rod-----	4,384,259	4,766,635	5,234,571	5,456,419	5,290,947	2,146,691	2,178,093
Wire-----	1,424,976	1,318,052	1,287,363	2,075,234	2,096,403	925,563	881,216
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	3,059,809	2,581,669
Rails & related products-----	1,299,929	902,776	744,880	915,880	781,292	435,644	312,031
Pipe and tube-----	8,310,739	5,599,237	6,133,106	7,393,506	5,963,089	2,426,000	2,822,574
<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>40,930,922</b>	<b>39,652,774</b>
<b>Stainless &amp; alloy tool steel:</b>							
<b>Stainless steel:</b>							
Semifinished-----	49,990	66,256	131,608	136,035	145,288	61,685	71,257
Plate-----	144,930	128,751	165,718	186,878	179,860	81,213	92,912
Sheet and strip-----	941,975	921,356	1,013,957	1,117,233	1,052,427	464,721	434,619
Bars & certain shapes-----	159,475	149,966	156,243	168,429	165,636	67,799	71,770
Wire rod-----	48,915	54,067	64,737	75,482	52,964	24,200	21,773
Wire-----	42,499	39,468	42,012	45,780	43,405	21,101	15,940
Pipe and tube-----	75,115	72,474	59,477	86,044	77,312	35,899	33,903
Tool steel (all forms)-----	95,318	98,380	95,973	103,870	97,021	37,272	38,849
<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>793,890</b>	<b>781,023</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-May	
						1989	1990
<b>All grades of steel:</b>							
Semifinished-----	65.5	59.4	60.1	60.4	60.1	53.4	65.4
Plate-----	29.5	29.4	28.4	20.6	17.7	18.2	13.7
Sheet and strip-----	18.3	17.2	15.6	14.4	13.1	11.8	11.9
Bars & certain shapes 1/-----	11.0	10.9	9.2	9.2	8.7	9.1	6.4
Wire rod-----	33.3	28.3	27.7	27.0	21.5	21.6	20.4
Wire-----	41.0	42.0	41.0	39.0	37.0	64.0	55.0
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	26.9	15.7
Rails & related products-----	29.4	30.5	33.0	34.9	41.3	35.3	41.0
Pipe and tube-----	53.5	52.1	44.8	43.9	40.9	41.5	38.9
Total-----	25.7	23.5	21.7	21.1	18.6	18.0	16.8
<b>Carbon &amp; certain alloy 2/ steel:</b>							
Semifinished-----	66.1	60.0	60.7	60.8	60.8	53.6	67.2
Plate-----	30.0	29.9	29.1	20.9	17.9	18.4	13.8
Sheet and strip-----	18.3	17.2	15.6	14.5	13.1	11.8	11.8
Bars & certain shapes-----	10.6	10.5	8.8	8.8	8.2	8.7	6.0
Wire rod-----	33.2	28.2	27.7	27.0	21.3	21.4	20.2
Wire-----	41.0	42.0	41.0	39.0	37.0	63.0	16.0
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	26.9	15.7
Rails & related products-----	29.4	30.5	33.0	34.9	41.3	35.3	41.0
Pipe and tube-----	53.6	52.2	44.8	44.0	40.8	41.4	38.7
Total-----	25.8	23.5	21.8	21.2	18.6	18.0	16.7
<b>Stainless &amp; alloy tool steel:</b>							
Semifinished-----	20.6	26.6	43.1	45.9	42.8	49.5	33.1
Plate-----	7.9	12.7	6.7	8.5	9.8	10.3	8.9
Sheet and strip-----	14.4	16.5	12.8	10.6	13.4	11.5	13.1
Bars & certain shapes-----	23.8	25.3	24.3	24.2	26.2	23.1	24.0
Wire rod-----	41.0	34.2	28.3	25.4	41.0	36.3	44.3
Wire-----	52.2	44.4	45.4	45.1	49.1	48.2	47.2
Pipe and tube-----	42.6	45.9	44.5	42.7	48.2	47.6	60.9
Tool steel (all forms)-----	39.0	45.5	42.3	42.5	49.8	55.6	43.5
Total-----	19.7	22.1	19.6	18.7	21.6	20.8	20.6

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,085	274,578	136,732	98,423
Austria -----	138,101	86,486	24,415	32,874
Brazil -----	1,476,896	1,391,142	580,027	460,408
Czechoslovakia -----	37,301	25,693	1,396	1,313
East Germany -----	92,239	55,867	20,926	18,661
EC countries -----	6,276,220	5,676,977	2,184,012	1,963,511
Finland -----	212,989	216,716	84,647	108,215
Hungary -----	30,094	28,420	10,586	7,713
Japan -----	4,343,898	3,695,906	1,640,443	1,290,969
Mexico -----	488,367	467,605	135,237	289,281
Peoples Rep of China -----	68,840	62,028	22,331	27,140
Poland -----	89,648	72,786	25,693	14,242
Romania -----	102,548	49,451	20,721	7,971
Republic of South Africa -----	1,693	756	247	488
Korea, Republic of -----	1,572,602	1,191,970	495,769	539,119
Trinidad and Tobago -----	31,518	48,028	9,200	31,139
Venezuela -----	169,383	173,642	32,812	70,487
Yugoslavia -----	12,751	8,222	2,421	10,507
<b>Total-----</b>	<b>15,427,173</b>	<b>13,526,273</b>	<b>5,427,615</b>	<b>4,972,461</b>
<b>Other countries:</b>				
Canada -----	3,430,920	3,218,260	1,439,290	1,350,998
Sweden -----	575,055	254,507	146,482	91,811
Argentina -----	558,011	227,866	63,541	68,702
Turkey -----	307,985	211,804	65,552	46,743
Taiwan -----	252,112	164,019	72,947	90,872
India -----	100,261	106,110	50,496	33,411
Norway -----	181,502	90,181	47,474	8,846
Singapore -----	153,164	78,918	31,765	19,206
New Zealand -----	88,980	78,564	49,311	33,734
Indonesia -----	281,142	69,344	34,284	14,406
All others -----	512,760	192,639	87,010	54,814
<b>Total-----</b>	<b>6,441,892</b>	<b>4,692,212</b>	<b>2,088,152</b>	<b>1,813,543</b>
<b>Grand total-----</b>	<b>21,869,065</b>	<b>18,218,485</b>	<b>7,515,767</b>	<b>6,786,004</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,494	126,633	55,758	34,905
Austria -----	82,907	67,871	22,817	24,712
Brazil -----	463,632	473,506	195,257	131,167
Czechoslovakia -----	12,019	8,890	617	508
East Germany -----	31,340	18,908	7,100	6,104
EC countries-----	2,981,610	2,945,914	1,166,457	1,021,696
Finland -----	101,105	91,999	39,862	46,663
Hungary -----	8,600	9,155	3,433	2,410
Japan -----	2,562,005	2,426,329	1,030,310	886,808
Mexico -----	240,693	252,029	79,526	139,429
Peoples Rep of China -----	27,574	34,627	12,143	15,106
Poland -----	30,281	26,614	9,560	5,638
Romania -----	36,063	17,374	7,248	2,866
Republic of South Africa -----	1,487	594	229	370
Korea, Republic of -----	770,065	638,311	249,840	289,520
Trinidad and Tobago -----	8,602	14,695	3,006	8,721
Venezuela -----	53,699	61,681	12,473	27,101
Yugoslavia -----	5,947	3,423	1,008	3,945
<b>Total-----</b>	<b>7,536,123</b>	<b>7,218,553</b>	<b>2,896,644</b>	<b>2,647,669</b>
<b>Other countries:</b>				
Canada -----	1,706,602	1,697,641	774,352	677,083
Sweden -----	358,878	278,349	135,029	103,925
Argentina -----	221,845	110,210	27,562	35,262
Turkey -----	93,038	65,996	22,218	16,223
Taiwan -----	134,663	107,331	45,108	61,114
India -----	43,769	45,816	20,542	17,481
Norway -----	55,371	33,921	16,762	5,932
Singapore -----	50,365	32,735	13,224	10,776
New Zealand -----	35,995	41,302	23,419	15,502
Indonesia -----	81,687	24,760	12,178	6,351
All others-----	194,569	92,265	40,161	31,262
<b>Total-----</b>	<b>2,976,782</b>	<b>2,530,326</b>	<b>1,130,555</b>	<b>980,911</b>
<b>Grand total-----</b>	<b>10,512,905</b>	<b>9,748,879</b>	<b>4,027,199</b>	<b>3,628,580</b>

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	January-May			
	1988	1989	1989	1990
	Quantity (Short tons)			
<b>VRA countries:</b>				
Australia -----	202,683	205,832	100,729	39,147
Austria -----	138,029	86,486	24,415	32,874
Brazil -----	755,083	724,260	317,158	155,596
Czechoslovakia -----	37,301	25,693	1,396	1,313
East Germany -----	92,239	55,867	20,926	18,661
EC -----	5,084,148	4,732,130	1,819,633	1,608,098
Finland -----	209,750	182,165	84,647	108,215
Hungary -----	30,094	28,420	10,586	7,713
Japan -----	4,264,692	3,608,721	1,601,975	1,284,929
Mexico -----	424,451	390,447	123,978	198,469
Peoples Rep of China -----	68,840	62,023	22,325	27,128
Poland -----	89,295	72,493	25,426	14,242
Romania -----	102,548	49,451	20,721	7,971
Republic of South Africa -----	1,693	750	247	488
Korea, Republic of -----	1,515,157	1,125,936	452,537	539,047
Trinidad and Tobago -----	28,460	48,028	9,200	31,139
Venezuela -----	119,720	125,160	32,812	70,487
Yugoslavia -----	12,751	8,222	2,421	10,507
<b>Total -----</b>	<b>13,176,934</b>	<b>11,532,084</b>	<b>4,671,132</b>	<b>4,156,024</b>
<b>Other countries:</b>				
Canada -----	3,327,082	3,098,487	1,398,790	1,285,607
Argentina -----	535,190	227,011	63,479	68,639
Turkey -----	307,985	211,804	65,552	46,743
Sweden -----	269,005	183,284	81,795	85,028
Taiwan -----	252,112	164,018	72,947	90,850
India -----	100,261	106,110	50,496	33,411
Norway -----	116,917	84,304	41,597	8,846
Singapore -----	153,164	78,918	31,765	19,206
New Zealand -----	42,766	78,564	49,311	33,734
Indonesia -----	276,988	69,344	34,284	14,406
All others -----	465,682	186,746	81,147	54,583
<b>Total -----</b>	<b>5,847,152</b>	<b>4,488,590</b>	<b>1,971,163</b>	<b>1,741,053</b>
<b>Grand total -----</b>	<b>19,024,086</b>	<b>16,020,674</b>	<b>6,642,295</b>	<b>5,897,077</b>

See footnotes at end of table.

Table 8.--Steel other than semifinished steel: <sup>1/</sup> 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-May	
			1989	1990
Import/consumption ratio (percent)				
<b>VRA countries:</b>				
Australia -----	.2	.2	.3	.1
Austria -----	.1	.1	.1	.1
Brazil -----	.8	.8	.8	.4
Czechoslovakia -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
East Germany -----	.1	.1	.1	<sup>2/</sup>
EC-----	5.2	5.1	4.6	4.1
Finland -----	.2	.2	.2	.3
Hungary -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Japan -----	4.4	3.9	4.0	3.3
Mexico -----	.4	.4	.3	.1
Peoples Rep of China -----	.1	.1	.1	.1
Poland -----	.1	.1	.1	<sup>2/</sup>
Romania -----	.1	.1	.1	<sup>2/</sup>
Republic of South Africa -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Korea, Republic of -----	1.6	1.2	1.1	1.4
Trinidad and Tobago -----	<sup>2/</sup>	.1	<sup>2/</sup>	.1
Venezuela -----	.1	.1	.1	.2
Yugoslavia -----	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>	<sup>2/</sup>
Total-----	13.5	12.4	11.8	10.7
<b>Other countries:</b>				
Canada -----	3.4	3.3	3.5	3.3
Argentina -----	.5	.2	.2	.2
Turkey -----	.3	.2	.2	.1
Sweden -----	.3	.2	.2	.2
Taiwan -----	.3	.2	.2	.2
India -----	.1	.1	.1	.1
Norway -----	.1	.1	.1	<sup>2/</sup>
Singapore -----	.2	.1	.1	<sup>2/</sup>
New Zealand -----	<sup>2/</sup>	.1	.1	.1
Indonesia -----	.3	.1	.1	<sup>2/</sup>
All others-----	.5	.2	.2	.1
Total-----	6.0	4.8	5.0	4.5
Grand total-----	19.5	17.2	16.7	15.2

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

<sup>2/</sup> 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 Initial Period Ceiling 2/	1988	1989	January--May	
				1989	1990
Quantity (short tons)					
<b>VRA countries:</b>					
Australia	127,438	79,402	68,747	36,003	59,275
Austria	3/	73	0	0	0
Brazil	987,102	721,813	666,882	262,869	304,811
Czechoslovakia	4/	0	0	0	0
East Germany	3/	0	0	0	0
EC Countries	820,785	1,192,072	944,846	364,379	355,412
Finland	17,280	3,239	34,551	0	0
Hungary	3/	0	0	0	0
Japan	95,038	79,206	87,185	38,468	6,041
Mexico	259,195	63,916	77,158	11,259	90,812
Peoples Rep of China	3/	0	5	5	12
Poland	3/	353	293	267	0
Romania	3/	0	0	0	0
Republic of South Africa	5/	0	7	0	0
Korea, Republic of	292,675	57,445	66,033	43,232	72
Trinidad and Tobago	24,250	3,058	0	0	0
Venezuela	74,519	49,663	48,482	0	0
Yugoslavia	3/	0	0	0	0
<b>Total</b>	<b>6/</b>	<b>2,250,240</b>	<b>1,994,189</b>	<b>756,482</b>	<b>816,435</b>
<b>Other countries:</b>					
Canada	6/	103,838	119,773	40,501	65,391
Sweden	6/	306,050	71,223	64,687	6,783
Norway	6/	64,585	5,877	5,877	0
Soviet Union	6/	47,078	5,860	5,860	0
Argentina	6/	22,820	855	62	63
Switzerland	6/	0	31	1	231
Taiwan	6/	0	0	0	22
Israel	6/	0	0	0	0
Indonesia	6/	4,154	0	0	0
New Zealand	6/	46,214	0	0	0
<b>Total</b>	<b>6/</b>	<b>594,739</b>	<b>203,619</b>	<b>116,988</b>	<b>72,490</b>
<b>Grand total</b>	<b>6/</b>	<b>2,844,979</b>	<b>2,197,808</b>	<b>873,470</b>	<b>888,925</b>

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/ Ceiling level unknown because country's voluntary restraint arrangement not yet made public.

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

6/ 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	79,402	68,747	36,003	59,275
Austria -----	0	0	0	0
Brazil -----	720,130	666,882	262,869	304,811
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	1,181,448	930,852	356,739	350,625
Finland -----	3,239	34,551	0	0
Hungary -----	0	0	0	0
Japan -----	77,271	86,487	38,200	5,859
Mexico -----	63,916	76,982	11,259	90,622
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
<b>Total-----</b>	<b>2,235,851</b>	<b>1,979,028</b>	<b>748,307</b>	<b>811,276</b>
<b>Other countries:</b>				
Canada -----	70,310	83,218	21,991	53,422
Sweden -----	291,559	60,821	60,821	355
Norway -----	64,585	5,877	5,877	0
Soviet Union -----	47,078	5,860	5,860	0
Argentina -----	22,820	855	62	63
Switzerland -----	2/	31	2/	231
New Zealand -----	46,214	0	0	2/
Taiwan -----	0	0	0	21
Indonesia -----	4,154	0	0	0
<b>Total-----</b>	<b>546,720</b>	<b>156,662</b>	<b>94,611</b>	<b>54,092</b>
<b>Grand total-----</b>	<b>2,782,571</b>	<b>2,135,690</b>	<b>842,918</b>	<b>865,368</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	15,165	14,426	6,307	12,053
Austria -----	0	0	0	0
Brazil -----	161,215	166,678	66,569	65,953
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	290,884	244,360	94,631	84,166
Finland -----	770	10,811	0	0
Hungary -----	0	0	0	0
Japan -----	19,499	24,972	10,526	2,898
Mexico -----	17,342	19,722	3,388	19,539
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
<b>Total-----</b>	<b>531,183</b>	<b>507,199</b>	<b>191,985</b>	<b>184,665</b>
<b>Other countries:</b>				
Canada -----	21,337	27,484	9,239	14,966
Sweden -----	73,544	15,249	15,249	121
Norway -----	14,757	1,288	1,288	0
Soviet Union -----	6,946	843	843	0
Argentina -----	6,147	336	21	22
Switzerland -----	3	155	8	255
New Zealand -----	13,489	0	0	2
Taiwan -----	0	0	0	25
Indonesia -----	1,196	0	0	0
<b>Total-----</b>	<b>137,419</b>	<b>45,355</b>	<b>26,648</b>	<b>15,391</b>
<b>Grand total-----</b>	<b>668,602</b>	<b>552,554</b>	<b>218,633</b>	<b>200,056</b>

<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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5,935	4,634	1,270	1,697
Austria -----	21,426	5,851	872	498
Brazil -----	171,537	134,769	69,700	12,187
Czechoslovakia -----	16,455	17,274	628	0
East Germany -----	17,270	10,342	3,357	4,401
EC countries -----	515,974	521,489	171,921	206,036
Finland -----	96,135	108,885	42,466	57,090
Hungary -----	16,146	15,300	5,087	4,687
Japan -----	44,538	45,639	17,934	14,059
Mexico -----	20,867	26,919	4,875	16,959
Peoples Rep of China -----	26	0	0	0
Poland -----	30,860	28,960	12,043	1,754
Romania -----	68,325	35,438	16,383	1,652
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	68,405	46,109	20,546	11,075
Trinidad and Tobago -----	389	2,204	0	0
Venezuela -----	6,653	10,033	2,804	3,523
Yugoslavia -----	1,423	0	0	3,563
<b>Total</b> -----	<b>1,102,364</b>	<b>1,013,846</b>	<b>369,886</b>	<b>339,181</b>
<b>Other countries:</b>				
Canada -----	419,556	266,881	130,852	107,778
Sweden -----	110,743	78,601	32,635	45,259
India -----	34,780	53,828	26,469	11,017
New Zealand -----	3,849	5,544	4,321	2,177
Indonesia -----	84,969	267	203	0
Argentina -----	44,564	233	233	0
Turkey -----	5,946	193	168	0
Peru -----	0	2/	2/	0
Switzerland -----	86	0	0	0
Israel -----	1,729	0	0	0
All others -----	48,503	0	0	17
<b>Total</b> -----	<b>754,725</b>	<b>405,547</b>	<b>194,881</b>	<b>166,248</b>
<b>Grand total</b> -----	<b>1,857,089</b>	<b>1,419,393</b>	<b>564,767</b>	<b>505,429</b>

See footnote(s) at end of table.



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--Continued

Item	1988	1989	January--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	3,190	2,371	595	772
Austria -----	8,467	2,465	615	404
Brazil -----	67,413	44,586	21,024	4,487
Czechoslovakia -----	5,280	5,498	177	0
East Germany -----	5,566	3,312	1,143	1,304
EC countries -----	219,700	215,157	75,505	80,305
Finland -----	38,528	39,347	15,233	19,290
Hungary -----	4,494	4,847	1,580	1,450
Japan -----	27,120	27,889	11,004	9,555
Mexico -----	8,122	10,816	2,040	5,621
Peoples Rep of China -----	28	0	0	0
Poland -----	9,971	9,915	4,126	601
Romania -----	22,680	11,827	5,588	531
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	28,496	17,725	7,949	4,013
Trinidad and Tobago -----	122	630	0	0
Venezuela -----	2,062	3,172	951	876
Yugoslavia -----	461	0	0	1,103
<b>Total -----</b>	<b>451,700</b>	<b>399,557</b>	<b>147,530</b>	<b>130,312</b>
<b>Other countries:</b>				
Canada -----	175,573	109,513	55,328	41,100
Sweden -----	52,247	39,192	16,620	20,418
India -----	14,024	17,706	7,844	3,793
New Zealand -----	1,350	1,671	1,312	568
Indonesia -----	25,597	125	57	0
Argentina -----	14,038	81	81	0
Turkey -----	2,186	88	77	0
Peru -----	0	6	6	0
Switzerland -----	38	0	0	0
Israel -----	754	0	0	0
All others -----	14,161	0	0	11
<b>Total -----</b>	<b>299,968</b>	<b>168,382</b>	<b>81,325</b>	<b>65,890</b>
<b>Grand total -----</b>	<b>751,668</b>	<b>567,939</b>	<b>228,855</b>	<b>196,202</b>

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

2/ 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	169,338	173,844	85,080	27,577
Austria -----	80,141	44,936	12,929	14,498
Brazil -----	279,788	374,903	144,190	47,500
Czechoslovakia -----	0	10	0	0
East Germany -----	50,830	26,330	9,907	10,151
EC countries -----	2,249,090	1,968,270	666,905	581,522
Finland -----	85,164	56,876	30,927	40,405
Hungary -----	13,211	11,903	4,359	3,017
Japan -----	2,209,538	2,050,376	883,608	766,966
Mexico -----	139,529	117,694	36,137	68,087
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	109,878	252,342
Trinidad and Tobago -----	63	0	0	0
Venezuela -----	57,246	59,756	12,573	18,697
Yugoslavia -----	0	32	11	158
<b>Total-----</b>	<b>5,839,054</b>	<b>5,261,165</b>	<b>1,996,574</b>	<b>1,831,004</b>
<b>Other countries:</b>				
Canada -----	856,040	858,289	370,807	355,020
New Zealand -----	29,118	61,556	39,955	29,995
Taiwan -----	78,901	48,988	17,295	45,746
Argentina -----	243,388	27,348	2,712	7,950
Sweden -----	51,007	21,448	10,646	9,836
Norway -----	14,466	20,341	7,584	7,459
United Arab Emirates -----	0	2,078	2,078	0
Jamamia -----	0	538	0	185
Indonesia -----	20,138	368	160	43
Costa Rica -----	0	287	0	66
All others-----	53,269	438	52	7,374
<b>Total-----</b>	<b>1,346,327</b>	<b>1,041,679</b>	<b>451,289</b>	<b>463,674</b>
<b>Grand total-----</b>	<b>7,185,381</b>	<b>6,302,844</b>	<b>2,447,863</b>	<b>2,294,678</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	90,392	96,817	42,073	16,334
Austria -----	31,089	18,681	5,361	5,827
Brazil -----	111,040	149,482	58,087	18,687
Czechoslovakia -----	0	3	0	0
East Germany -----	18,100	9,790	3,506	3,657
EC countries -----	1,045,288	951,315	333,526	280,954
Finland -----	32,525	22,393	12,938	12,367
Hungary -----	3,751	3,739	1,366	938
Japan -----	1,211,321	1,198,546	504,394	460,233
Mexico -----	77,632	69,852	21,714	41,414
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	44,560	111,552
Trinidad and Tobago -----	19	0	0	0
Venezuela -----	22,121	26,436	5,138	8,337
Yugoslavia -----	0	17	6	98
<b>Total-----</b>	<b>2,860,166</b>	<b>2,711,031</b>	<b>1,032,712</b>	<b>960,535</b>
<b>Other countries:</b>				
Canada -----	381,804	403,293	175,699	162,469
New Zealand -----	11,315	27,435	17,235	13,084
Taiwan -----	31,494	22,887	7,480	23,706
Argentina -----	92,033	14,390	1,208	3,572
Sweden -----	39,376	28,193	14,350	10,943
Norway -----	7,909	12,185	4,844	4,513
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	46	2,819
<b>Total-----</b>	<b>593,090</b>	<b>510,658</b>	<b>221,864</b>	<b>221,333</b>
<b>Grand total-----</b>	<b>3,453,256</b>	<b>3,221,689</b>	<b>1,254,576</b>	<b>1,181,868</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	826	1,433	36	0
Austria -----	693	541	267	186
Brazil -----	96,561	50,035	25,544	26,001
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	260,337	323,125	127,365	94,055
Finland -----	4,081	4,080	1,831	1,605
Hungary -----	146	0	0	0
Japan -----	107,959	131,880	61,156	35,879
Mexico -----	22,813	16,066	3,659	4,111
Peoples Rep of China -----	3,441	3,916	1,075	1,736
Poland -----	1,282	2,648	1,438	951
Romania -----	29	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	74,249	62,652	36,466	19,952
Trinidad and Tobago -----	15,404	16,501	9,189	16,679
Venezuela -----	19,962	10,391	4,735	10,536
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>607,783</b>	<b>623,268</b>	<b>272,761</b>	<b>211,691</b>
<b>Other countries:</b>				
Canada -----	429,634	398,631	192,006	148,265
Turkey -----	102,560	109,153	49,718	10,048
Argentina -----	50,982	48,289	14,034	10,047
Norway -----	36,346	30,234	11,995	0
Singapore -----	19,311	20,159	6,237	1,861
Taiwan -----	32,265	11,752	10,163	353
India -----	11,249	10,492	4,024	6,406
Sweden -----	9,099	3,385	2,058	1,867
Indonesia -----	54,015	3,133	1,925	177
Dominican Republic -----	0	3,112	0	0
All others-----	7,867	2,699	1,446	992
<b>Total-----</b>	<b>753,328</b>	<b>641,039</b>	<b>293,606</b>	<b>180,016</b>
<b>Grand total-----</b>	<b>1,361,111</b>	<b>1,264,307</b>	<b>566,367</b>	<b>391,707</b>

See footnote(s) at end of table.

Table 13.--Carbon and certain alloy <sup>1/</sup> 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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	332	669	11	0
Austria -----	667	1,024	481	467
Brazil -----	29,058	22,335	9,663	9,641
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	133,388	169,448	67,062	50,860
Finland -----	2,705	3,241	1,366	1,688
Hungary -----	63	0	0	0
Japan -----	49,339	73,081	32,687	23,842
Mexico -----	8,588	5,814	1,423	1,616
Peoples Rep of China -----	1,314	1,526	375	871
Poland -----	845	1,517	794	590
Romania -----	103	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	20,439	19,087	10,583	6,674
Trinidad and Tobago -----	3,968	5,232	2,975	4,550
Venezuela -----	5,392	3,868	1,420	3,524
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>256,201</b>	<b>306,842</b>	<b>128,840</b>	<b>104,323</b>
<b>Other countries:</b>				
Canada -----	186,448	173,249	82,809	65,477
Turkey -----	28,951	32,827	15,258	4,394
Argentina -----	16,442	18,563	5,630	3,596
Norway -----	8,963	8,213	3,268	0
Singapore -----	5,104	7,950	2,595	536
Taiwan -----	10,022	4,724	3,965	193
India -----	3,952	4,650	1,717	3,151
Sweden -----	5,737	3,160	1,775	3,082
Indonesia -----	14,691	862	518	87
Dominican Republic -----	0	821	0	0
All others -----	2,726	1,257	580	577
<b>Total-----</b>	<b>283,036</b>	<b>256,276</b>	<b>118,115</b>	<b>81,093</b>
<b>Grand total-----</b>	<b>539,237</b>	<b>563,118</b>	<b>246,955</b>	<b>185,416</b>

<sup>1/</sup> 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	9,551	10,783	6,937	3,859
Austria -----	601	1,108	1,108	0
Brazil -----	58,383	57,858	24,354	20,197
Czechoslovakia -----	13,661	2,197	0	0
East Germany -----	16,306	12,583	4,352	3,229
EC countries -----	290,286	212,925	95,621	77,037
Finland -----	2,237	108	108	0
Hungary -----	0	67	67	0
Japan -----	276,003	201,891	96,507	70,721
Mexico -----	58,389	32,373	12,530	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	0	14,042
Venezuela -----	8,916	2,065	335	8,763
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>754,153</b>	<b>563,362</b>	<b>242,120</b>	<b>219,305</b>
<b>Other countries:</b>				
Canada -----	360,096	400,938	174,986	183,242
Turkey -----	126,791	75,596	0	27,871
Indonesia -----	84,414	29,923	16,098	0
Singapore -----	81,904	29,776	13,488	5,197
Sweden -----	18,464	15,095	7,432	2,431
Taiwan -----	16,843	10,071	4,654	479
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
<b>Total-----</b>	<b>720,469</b>	<b>565,052</b>	<b>216,959</b>	<b>220,097</b>
<b>Grand total-----</b>	<b>1,474,622</b>	<b>1,128,414</b>	<b>459,079</b>	<b>439,402</b>

See footnote(s) at end of table.

Table 14.--Carbon and certain alloy <sup>1</sup>/<sub>2</sub> 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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,103	2,439	1,497	1,019
Austria -----	248	297	297	0
Brazil -----	16,380	16,652	6,660	5,533
Czechoslovakia -----	3,234	549	0	0
East Germany -----	3,547	3,014	1,060	778
EC countries-----	109,528	82,681	35,917	27,446
Finland -----	741	35	35	0
Hungary -----	0	30	30	0
Japan -----	124,039	96,067	45,153	32,994
Mexico -----	15,344	8,234	3,082	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	0	4,027
Venezuela -----	2,000	594	88	2,207
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>282,467</b>	<b>219,481</b>	<b>93,938</b>	<b>79,814</b>
<b>Other countries:</b>				
Canada -----	130,836	145,073	62,870	64,765
Turkey -----	32,337	20,896	0	7,248
Indonesia -----	20,363	8,363	4,363	0
Singapore -----	21,983	9,390	4,507	1,678
Sweden -----	9,831	12,842	6,042	2,204
Taiwan -----	6,764	4,247	2,024	183
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
<b>Total-----</b>	<b>229,342</b>	<b>202,034</b>	<b>80,011</b>	<b>76,456</b>
<b>Grand total-----</b>	<b>511,809</b>	<b>421,515</b>	<b>173,949</b>	<b>156,270</b>

<sup>1</sup>/<sub>2</sub> 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  $\frac{1}{2}$  steel wire: U.S. imports for consumption, by specified sources, 1988, 1989, and by specified periods, 1989 and 1990

Item	1988	1989	January--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	4,488	4,189	1,794	2,117
Austria -----	1,731	1,782	793	588
Brazil -----	14,128	9,397	5,241	3,973
Czechoslovakia -----	0	24	24	0
East Germany -----	0	0	0	0
EC countries -----	168,480	139,816	63,988	50,198
Finland -----	476	368	59	416
Hungary -----	0	0	0	0
Japan -----	78,468	67,924	30,343	28,715
Mexico -----	2,712	1,407	556	938
Peoples Rep of China -----	9,720	12,165	4,192	4,485
Poland -----	116	201	56	44
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	7,736	7,512	2,799	2,050
Trinidad and Tobago -----	1,060	0	0	0
Venezuela -----	5,996	5,906	1,360	2,260
Yugoslavia -----	3	0	0	0
<b>Total-----</b>	<b>295,114</b>	<b>250,691</b>	<b>111,205</b>	<b>95,784</b>
<b>Other countries:</b>				
Canada -----	193,243	183,779	85,269	78,268
Argentina -----	2,491	11,276	2,657	5,212
Sweden -----	7,532	7,601	3,171	3,088
India -----	4,108	5,266	2,219	3,180
Chile -----	2,146	3,630	756	448
Taiwan -----	4,897	3,548	1,168	2,617
Ecuador -----	1,430	2,134	1,006	118
Switzerland -----	2,591	1,653	1,058	335
Norway -----	1,312	1,328	388	976
Hong Kong -----	9	763	82	2/
All others -----	4,856	1,315	554	525
<b>Total-----</b>	<b>224,615</b>	<b>222,293</b>	<b>98,328</b>	<b>94,767</b>
<b>Grand total-----</b>	<b>519,729</b>	<b>472,984</b>	<b>209,533</b>	<b>190,551</b>

See footnote(s) at end of table.



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--Continued

Item	1988	1989	January--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	2,018	1,844	811	882
Austria -----	2,584	2,976	1,145	1,209
Brazil -----	6,207	5,122	2,759	2,035
Czechoslovakia -----	0	16	16	0
East Germany -----	0	0	0	0
EC countries -----	141,210	126,019	58,629	48,340
Finland -----	231	198	17	251
Hungary -----	0	0	0	0
Japan -----	61,637	57,930	25,867	25,413
Mexico -----	1,320	914	328	585
Peoples Rep of China -----	4,165	5,530	1,823	2,027
Poland -----	59	129	29	32
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	4,667	4,890	1,730	1,412
Trinidad and Tobago -----	354	0	0	0
Venezuela -----	3,096	3,410	874	1,248
Yugoslavia -----	9	0	0	0
<b>Total</b> -----	<b>227,557</b>	<b>208,978</b>	<b>94,028</b>	<b>83,434</b>
<b>Other countries:</b>				
Canada -----	109,405	112,002	50,593	48,584
Argentina -----	1,245	5,051	1,229	2,333
Sweden -----	10,678	9,482	4,410	3,756
India -----	1,518	1,974	828	1,168
Chile -----	946	2,041	405	284
Taiwan -----	2,903	3,186	1,132	1,767
Ecuador -----	652	1,059	491	62
Switzerland -----	1,525	1,062	686	209
Norway -----	1,177	1,095	319	761
Hong Kong -----	2	346	40	2
All others -----	1,291	726	316	163
<b>Total</b> -----	<b>131,342</b>	<b>138,024</b>	<b>60,449</b>	<b>59,089</b>
<b>Grand total</b> -----	<b>358,899</b>	<b>347,002</b>	<b>154,477</b>	<b>142,523</b>

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

2/ 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	5	20	0	2/
Austria -----	956	4,043	1,841	1,490
Brazil -----	15,018	10,401	5,461	5,397
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	38,365	86,677	36,405	36,453
Finland -----	1	51	2/	2/
Hungary -----	0	42	0	0
Japan -----	23,536	52,650	19,488	25,512
Mexico -----	13,693	24,461	11,132	13,477
Peoples Rep of China -----	36,866	42,981	16,389	20,060
Poland -----	16,070	15,255	4,928	5,397
Romania -----	143	0	0	0
Republic of South Africa -----	1,550	730	246	0
Korea, Republic of -----	192,127	178,804	70,297	85,646
Trinidad and Tobago -----	94	0	0	252
Venezuela -----	1,352	16,639	5,248	5,012
Yugoslavia -----	7,314	5,961	2,407	2,821
<b>Total-----</b>	<b>347,090</b>	<b>438,715</b>	<b>173,842</b>	<b>201,517</b>
<b>Other countries:</b>				
Canada -----	98,251	114,763	47,147	51,644
Indonesia -----	18,621	27,489	8,101	13,501
Thailand -----	8,627	20,808	10,134	3,743
Taiwan -----	13,715	17,331	6,647	6,811
Argentina -----	18,002	16,702	7,010	6,269
United Arab Emirates -----	20,059	14,854	7,170	5,594
Turkey -----	23,631	10,713	4,333	6,903
Saudi Arabia -----	3,718	8,784	3,626	3,180
Chile -----	8,459	8,642	2,341	3,055
India -----	4,571	8,233	3,298	2,885
All others-----	7,707	16,568	5,292	8,451
<b>Total-----</b>	<b>225,361</b>	<b>264,887</b>	<b>105,099</b>	<b>112,036</b>
<b>Grand total-----</b>	<b>572,451</b>	<b>703,602</b>	<b>278,941</b>	<b>313,553</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	20	37	0	8
Austria -----	1,556	8,634	4,070	3,711
Brazil -----	7,169	6,038	3,021	2,823
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	33,725	135,555	53,500	67,893
Finland -----	96	67	4	6
Hungary -----	0	23	0	0
Japan -----	28,992	97,473	35,893	46,024
Mexico -----	8,903	17,781	7,517	10,906
Peoples Rep of China -----	14,640	25,832	9,545	11,278
Poland -----	5,403	5,354	1,688	2,053
Romania -----	44	0	0	0
Republic of South Africa -----	792	558	225	0
Korea, Republic of -----	138,561	158,567	61,221	74,293
Trinidad and Tobago -----	27	0	0	99
Venezuela -----	387	5,224	1,600	1,929
Yugoslavia -----	3,027	2,456	998	1,033
<b>Total-----</b>	<b>243,342</b>	<b>463,599</b>	<b>179,282</b>	<b>222,056</b>
<b>Other countries:</b>				
Canada -----	70,198	93,747	38,084	41,868
Indonesia -----	6,881	11,595	3,747	5,884
Thailand -----	5,332	9,521	3,987	2,202
Taiwan -----	12,448	19,677	7,735	7,347
Argentina -----	7,943	8,930	3,568	3,378
United Arab Emirates -----	7,562	5,992	2,814	2,966
Turkey -----	8,700	5,485	2,317	3,695
Saudi Arabia -----	1,239	3,255	1,322	1,341
Chile -----	3,991	4,476	1,273	1,696
India -----	2,659	5,467	2,445	2,026
All others-----	6,778	21,186	8,223	9,841
<b>Total-----</b>	<b>133,731</b>	<b>189,331</b>	<b>75,515</b>	<b>82,244</b>
<b>Grand total-----</b>	<b>377,073</b>	<b>652,930</b>	<b>254,797</b>	<b>304,300</b>

<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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	139	312	229	$\frac{2}{1}$
Austria -----	1,541	684	266	117
Brazil -----	20,210	11,638	5,729	2,519
Czechoslovakia -----	0	0	0	0
East Germany -----	0	92	0	0
EC countries -----	903,438	790,065	373,053	200,586
Finland -----	118	2,669	2,257	$\frac{2}{1}$
Hungary -----	0	0	0	0
Japan -----	590,217	373,632	222,516	49,137
Mexico -----	24,912	17,588	5,884	12,659
Peoples Rep of China -----	208	874	211	610
Poland -----	14,059	20,441	4,624	3,818
Romania -----	19	168	48	16
Republic of South Africa -----	143	0	0	0
Korea, Republic of -----	169,302	81,616	48,911	1,626
Trinidad and Tobago -----	0	120	11	165
Venezuela -----	$\frac{2}{1}$	112	43	84
Yugoslavia -----	263	0	0	0
<b>Total</b> -----	<b>1,724,569</b>	<b>1,300,011</b>	<b>663,782</b>	<b>271,337</b>
<b>Other countries:</b>				
Canada -----	338,187	249,815	110,461	122,716
Norway -----	64,361	31,897	21,480	$\frac{2}{1}$
Argentina -----	27,523	30,494	16,853	3,672
New Zealand -----	8,242	8,945	3,439	1,017
Taiwan -----	9,020	6,899	3,581	3,104
Mauritius -----	0	4,723	0	0
Indonesia -----	4,074	3,269	3,251	45
India -----	459	1,743	418	249
Singapore -----	3,129	1,102	144	2,224
Sweden -----	3,925	991	690	852
All others-----	4,979	474	191	374
<b>Total</b> -----	<b>463,899</b>	<b>340,352</b>	<b>160,508</b>	<b>134,253</b>
<b>Grand total</b> -----	<b>2,188,468</b>	<b>1,640,363</b>	<b>824,290</b>	<b>405,590</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	135	902	817	15
Austria -----	1,865	1,780	821	604
Brazil -----	8,055	5,564	2,267	1,864
Czechoslovakia -----	0	0	0	0
East Germany -----	0	28	0	0
EC countries -----	356,905	308,492	145,013	77,331
Finland -----	248	4,129	2,693	3
Hungary -----	0	0	0	0
Japan -----	228,010	159,837	89,839	25,377
Mexico -----	11,585	8,817	3,068	10,217
Peoples Rep of China -----	154	669	161	457
Poland -----	3,587	6,446	1,341	1,060
Romania -----	11	73	21	7
Republic of South Africa -----	694	0	0	0
Korea, Republic of -----	84,018	43,704	20,619	1,416
Trinidad and Tobago -----	0	63	32	45
Venezuela -----	1	83	13	27
Yugoslavia -----	393	0	0	0
<b>Total-----</b>	<b>695,661</b>	<b>540,587</b>	<b>266,705</b>	<b>118,423</b>
<b>Other countries:</b>				
Canada -----	201,529	154,010	70,135	67,078
Norway -----	21,943	10,401	6,813	3
Argentina -----	7,274	10,137	4,788	1,425
New Zealand -----	8,814	10,505	3,902	1,242
Taiwan -----	5,476	6,383	3,323	2,632
Mauritius -----	0	1,521	0	0
Indonesia -----	1,173	971	951	20
India -----	371	1,195	243	209
Singapore -----	2,903	1,013	133	2,872
Sweden -----	5,413	2,805	1,861	1,869
All others-----	4,246	1,402	464	618
<b>Total-----</b>	<b>259,142</b>	<b>200,343</b>	<b>92,613</b>	<b>77,968</b>
<b>Grand total-----</b>	<b>954,803</b>	<b>740,930</b>	<b>359,318</b>	<b>196,391</b>

<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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	2	3,567	1,395	2,065
Austria -----	703	5,805	2,456	2,043
Brazil -----	4,553	2,942	1,497	451
Czechoslovakia -----	0	0	0	0
East Germany -----	1	0	0	0
EC countries -----	52,358	53,518	31,801	20,109
Finland -----	3	0	0	2/
Hungary -----	4	0	0	10
Japan -----	79,347	83,624	47,705	51,800
Mexico -----	26	380	165	32
Peoples Rep of China -----	25	455	364	45
Poland -----	0	105	101	0
Romania -----	0	0	0	0
Republic of South Africa -----	2/	20	0	488
Korea, Republic of -----	6,919	6,670	3,405	1,319
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	77	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>144,018</b>	<b>157,086</b>	<b>88,889</b>	<b>78,362</b>
<b>Other countries:</b>				
Canada -----	172,077	151,966	63,198	48,902
Soviet Union -----	0	9,875	0	0
Argentina -----	6	2,579	994	2
Sweden -----	3,064	876	239	274
Taiwan -----	128	417	231	100
Colombia -----	0	77	30	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	2	19
<b>Total</b> -----	<b>175,415</b>	<b>165,900</b>	<b>64,749</b>	<b>49,426</b>
<b>Grand total</b> -----	<b>319,433</b>	<b>322,986</b>	<b>153,638</b>	<b>127,788</b>

See footnote(s) at end of table.

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--Continued

Item	1988	1989	January--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	7	3,841	1,764	2,032
Austria -----	299	3,284	1,607	1,690
Brazil -----	3,751	2,544	1,211	391
Czechoslovakia -----	0	0	0	0
East Germany -----	5	0	0	0
EC countries -----	25,214	28,589	15,519	11,389
Finland -----	14	0	0	13
Hungary -----	25	0	0	22
Japan -----	38,835	46,028	25,341	28,374
Mexico -----	37	380	167	50
Peoples Rep of China -----	9	221	174	32
Poland -----	0	49	48	0
Romania -----	0	0	0	0
Republic of South Africa -----	1	14	0	370
Korea, Republic of -----	2,580	3,408	1,839	853
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	24	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>70,801</b>	<b>88,358</b>	<b>47,670</b>	<b>45,216</b>
<b>Other countries:</b>				
Canada -----	50,140	59,757	28,345	12,111
Soviet Union -----	0	1,290	0	0
Argentina -----	17	803	311	10
Sweden -----	1,001	600	187	346
Taiwan -----	294	797	385	219
Colombia -----	0	258	100	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	28	68
<b>Total</b> -----	<b>51,569</b>	<b>63,643</b>	<b>29,401</b>	<b>12,899</b>
<b>Grand total</b> -----	<b>122,370</b>	<b>152,001</b>	<b>77,071</b>	<b>58,115</b>

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

2/ 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	12,375	7,022	3,970	1,550
Austria -----	26,408	17,756	2,326	12,212
Brazil -----	87,724	64,098	32,208	34,689
Czechoslovakia -----	7,164	6,156	745	1,313
East Germany -----	7,828	6,520	3,309	878
EC countries -----	488,108	504,008	197,627	289,317
Finland -----	12,755	6,000	5,359	2,479
Hungary -----	585	1,109	1,072	0
Japan -----	790,770	507,942	188,448	210,338
Mexico -----	131,349	138,081	44,114	52,614
Peoples Rep of China -----	18,422	973	48	0
Poland -----	8,048	4,658	2,176	2,175
Romania -----	27,284	13,778	4,238	6,304
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	496,059	353,671	154,690	159,288
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	19,510	20,192	5,714	21,536
Yugoslavia -----	3,732	2,226	0	3,964
<b>Total-----</b>	<b>2,138,121</b>	<b>1,654,190</b>	<b>646,044</b>	<b>798,657</b>
<b>Other countries:</b>				
Canada -----	436,372	451,459	212,817	179,588
Argentina -----	148,192	89,608	18,829	34,553
Taiwan -----	88,055	60,719	27,723	28,015
Thailand -----	148,259	34,384	27,176	0
Singapore -----	47,545	27,492	11,848	9,472
India -----	44,486	25,404	13,445	8,000
Sweden -----	26,842	21,424	9,597	8,679
Turkey -----	32,001	16,107	11,291	1,835
Algeria -----	21,502	9,430	5,558	1,228
Israel -----	12,714	9,397	2,422	9,783
All others-----	105,850	35,930	16,763	11,526
<b>Total-----</b>	<b>1,111,818</b>	<b>781,354</b>	<b>357,469</b>	<b>292,679</b>
<b>Grand total-----</b>	<b>3,249,939</b>	<b>2,435,544</b>	<b>1,003,513</b>	<b>1,091,336</b>

See footnote(s) at end of table.



Table 19.--Carbon and certain alloy  $\frac{1}{2}$  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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	4,959	3,151	1,803	1,111
Austria -----	23,494	13,811	2,440	5,674
Brazil -----	41,170	36,362	17,072	13,783
Czechoslovakia -----	3,472	2,779	424	508
East Germany -----	4,115	2,763	1,391	358
EC countries -----	346,165	330,377	134,961	170,134
Finland -----	5,624	2,987	2,589	1,263
Hungary -----	266	517	458	0
Japan -----	597,887	378,193	150,611	142,072
Mexico -----	71,872	74,372	24,868	26,724
Peoples Rep of China -----	7,066	360	32	0
Poland -----	3,115	2,105	948	950
Romania -----	11,018	5,411	1,602	2,328
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	239,742	176,982	76,563	76,602
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	7,535	8,737	2,389	8,844
Yugoslavia -----	2,036	946	0	1,711
<b>Total-----</b>	<b>1,369,536</b>	<b>1,039,853</b>	<b>418,151</b>	<b>452,062</b>
<b>Other countries:</b>				
Canada -----	266,692	281,447	132,071	110,404
Argentina -----	76,641	51,423	10,550	20,445
Taiwan -----	39,591	28,827	13,390	12,853
Thailand -----	58,119	14,718	11,743	0
Singapore -----	19,833	13,215	5,923	4,320
India -----	20,173	11,846	6,094	3,097
Sweden -----	23,510	23,653	10,431	9,999
Turkey -----	14,568	6,678	4,544	829
Algeria -----	5,957	2,531	1,263	452
Israel -----	6,218	4,759	1,232	4,527
All others-----	48,029	17,951	8,751	6,182
<b>Total-----</b>	<b>579,331</b>	<b>457,048</b>	<b>205,992</b>	<b>173,108</b>
<b>Grand total-----</b>	<b>1,948,867</b>	<b>1,496,901</b>	<b>624,143</b>	<b>625,170</b>

$\frac{1}{2}$  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 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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	282,061	274,550	136,713	98,141
Austria -----	134,200	82,507	22,857	31,633
Brazil -----	1,468,033	1,382,924	576,794	457,725
Czechoslovakia -----	37,280	25,660	1,396	1,313
East Germany -----	92,234	55,867	20,926	18,658
EC countries -----	6,147,884	5,530,746	2,121,424	1,905,939
Finland -----	204,209	213,588	83,007	101,996
Hungary -----	30,094	28,420	10,586	7,713
Japan -----	4,277,647	3,602,047	1,605,905	1,258,986
Mexico -----	478,207	451,951	130,311	280,954
Peoples Rep of China -----	68,735	61,850	22,327	27,032
Poland -----	89,325	72,268	25,366	14,138
Romania -----	102,530	49,436	20,721	7,971
Republic of South Africa -----	1,693	756	246	488
Korea, Republic of -----	1,560,497	1,178,972	490,400	533,373
Trinidad and Tobago -----	31,380	48,028	9,200	31,139
Venezuela -----	169,376	173,574	32,812	70,412
Yugoslavia -----	12,734	8,219	2,419	10,507
<b>Total-----</b>	<b>15,188,119</b>	<b>13,241,363</b>	<b>5,313,410</b>	<b>4,858,118</b>
<b>Other countries:</b>				
Canada -----	3,373,766	3,159,739	1,409,536	1,328,844
Argentina -----	557,969	227,661	63,460	68,645
Sweden -----	522,294	212,323	128,156	73,753
Turkey -----	307,985	211,804	65,552	46,743
Taiwan -----	243,886	159,725	71,461	87,247
India -----	99,714	104,994	49,900	31,744
Norway -----	181,502	90,181	47,474	8,846
Singapore -----	153,163	78,598	31,765	18,753
New Zealand -----	88,979	78,564	49,311	33,734
Indonesia -----	281,142	69,342	34,282	14,406
All others-----	512,272	191,835	86,606	54,574
<b>Total-----</b>	<b>6,322,672</b>	<b>4,584,766</b>	<b>2,037,503</b>	<b>1,767,289</b>
<b>Grand total-----</b>	<b>21,510,791</b>	<b>17,826,129</b>	<b>7,350,913</b>	<b>6,625,407</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	118,320	126,499	55,680	34,227
Austria -----	70,268	52,952	16,837	19,586
Brazil -----	451,458	455,362	188,334	125,196
Czechoslovakia -----	11,986	8,844	617	508
East Germany -----	31,334	18,908	7,100	6,096
EC countries -----	2,702,007	2,591,992	1,014,264	898,818
Finland -----	81,482	83,209	34,876	34,881
Hungary -----	8,600	9,155	3,433	2,410
Japan -----	2,386,680	2,160,017	931,315	796,782
Mexico -----	220,745	216,702	67,595	122,481
Peoples Rep of China -----	27,385	34,364	12,131	14,814
Poland -----	29,711	25,514	8,973	5,286
Romania -----	36,033	17,347	7,248	2,866
Republic of South Africa -----	1,487	590	225	370
Korea, Republic of -----	743,129	604,322	235,733	276,860
Trinidad and Tobago -----	8,400	14,695	3,006	8,721
Venezuela -----	53,667	61,595	12,473	26,992
Yugoslavia -----	5,925	3,419	1,004	3,945
<b>Total</b> -----	<b>6,988,617</b>	<b>6,485,486</b>	<b>2,600,844</b>	<b>2,380,839</b>
<b>Other countries:</b>				
Canada -----	1,593,962	1,559,576	705,172	628,822
Argentina -----	221,780	109,850	27,425	35,158
Sweden -----	221,486	141,425	74,273	55,485
Turkey -----	93,038	65,996	22,218	16,223
Taiwan -----	109,041	90,727	39,434	48,927
India -----	42,731	42,851	19,185	13,467
Norway -----	55,371	33,914	16,760	5,932
Singapore -----	50,360	31,647	13,224	9,406
New Zealand -----	35,993	41,302	23,419	15,502
Indonesia -----	81,687	24,707	12,125	6,351
All others -----	192,526	89,098	38,698	30,201
<b>Total</b> -----	<b>2,697,975</b>	<b>2,231,093</b>	<b>991,933</b>	<b>865,474</b>
<b>Grand total</b> -----	<b>9,686,592</b>	<b>8,716,579</b>	<b>3,592,777</b>	<b>3,246,313</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
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	7,640	4,788
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	1,935	698	267	182
Mexico -----	0	176	0	190
Peoples Rep of China -----	0	0	0	0
Poland -----	74	293	267	0
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
<b>Total-----</b>	<b>14,389</b>	<b>15,162</b>	<b>8,174</b>	<b>5,160</b>
<b>Other countries:</b>				
Canada -----	33,527	36,556	18,510	11,969
Sweden -----	14,491	10,403	3,866	6,428
Taiwan -----	0	1/	1/	1/
Israel -----	0	1/	0	0
<b>Total-----</b>	<b>48,018</b>	<b>46,959</b>	<b>22,376</b>	<b>18,397</b>
<b>Grand total-----</b>	<b>62,407</b>	<b>62,121</b>	<b>30,550</b>	<b>23,557</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
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	5,391	4,100
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	2,906	1,413	526	345
Mexico -----	0	448	0	421
Peoples Rep of China -----	0	0	0	0
Poland -----	102	532	473	0
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
<b>Total-----</b>	<b>16,904</b>	<b>14,965</b>	<b>6,390</b>	<b>4,866</b>
<b>Other countries:</b>				
Canada -----	52,871	68,918	35,965	17,210
Sweden -----	23,240	23,075	9,182	10,436
Taiwan -----	0	16	14	8
Israel -----	0	5	0	0
Hong Kong -----	0	2	2	0
<b>Total-----</b>	<b>76,111</b>	<b>92,016</b>	<b>45,163</b>	<b>27,654</b>
<b>Grand total-----</b>	<b>93,015</b>	<b>106,981</b>	<b>51,553</b>	<b>32,520</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	249	197	86	63
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	7,364	12,024	5,648	4,125
Finland -----	2,730	1,746	879	2,820
Hungary -----	0	0	0	0
Japan -----	2,225	1,542	696	503
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
<b>Total-----</b>	<b>12,693</b>	<b>15,523</b>	<b>7,318</b>	<b>7,663</b>
<b>Other countries:</b>				
Sweden -----	2,779	2,014	873	548
Canada -----	371	177	136	21
Anguilla -----	5	0	0	0
<b>Total-----</b>	<b>3,155</b>	<b>2,191</b>	<b>1,009</b>	<b>569</b>
<b>Grand total-----</b>	<b>15,848</b>	<b>17,714</b>	<b>8,327</b>	<b>8,232</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	953	915	426	226
Brazil -----	0	0	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	15,635	35,694	16,396	9,046
Finland -----	6,147	4,883	2,707	5,472
Hungary -----	0	0	0	0
Japan -----	4,514	4,544	1,902	1,317
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
<b>Total-----</b>	<b>27,299</b>	<b>46,063</b>	<b>21,447</b>	<b>16,303</b>
<b>Other countries:</b>				
Sweden -----	6,775	5,970	2,674	1,547
Canada -----	889	425	346	68
Anguilla -----	9	0	0	0
<b>Total-----</b>	<b>7,673</b>	<b>6,395</b>	<b>3,020</b>	<b>1,615</b>
<b>Grand total-----</b>	<b>34,972</b>	<b>52,458</b>	<b>24,467</b>	<b>17,918</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	9	0	0
Austria -----	29	16	8	3
Brazil -----	313	0	0	39
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	60,758	63,478	24,627	21,915
Finland -----	6,045	1,376	754	3,398
Hungary -----	0	0	0	0
Japan -----	22,393	45,581	16,322	16,606
Mexico -----	8,814	14,968	4,614	7,951
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	2,781	2,620
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	5	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>106,202</b>	<b>132,303</b>	<b>49,106</b>	<b>52,532</b>
<b>Other countries:</b>				
Sweden -----	8,433	5,978	2,983	2,666
Canada -----	3,838	2,234	1,448	1,020
Singapore -----	0	4	0	0
India -----	90	0	0	675
Honduras -----	19	0	0	0
Peru -----	2	0	0	0
<b>Total</b> -----	<b>12,382</b>	<b>8,216</b>	<b>4,431</b>	<b>4,361</b>
<b>Grand total</b> -----	<b>118,584</b>	<b>140,519</b>	<b>53,537</b>	<b>56,893</b>



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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	12	0	0
Austria -----	136	79	41	13
Brazil -----	480	0	0	58
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	122,326	138,830	54,634	43,114
Finland -----	13,459	3,850	2,222	6,308
Hungary -----	0	0	0	0
Japan -----	50,112	95,498	35,167	34,956
Mexico -----	16,454	33,463	11,110	15,921
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	7,327	4,595
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	21	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>220,331</b>	<b>288,293</b>	<b>110,501</b>	<b>104,965</b>
<b>Other countries:</b>				
Sweden -----	24,684	21,181	9,990	8,861
Canada -----	9,552	7,123	4,754	2,679
Singapore -----	0	17	0	0
India -----	172	0	0	1,305
Honduras -----	35	0	0	0
Peru -----	26	0	0	0
<b>Total</b> -----	<b>34,469</b>	<b>28,321</b>	<b>14,744</b>	<b>12,845</b>
<b>Grand total</b> -----	<b>254,800</b>	<b>316,614</b>	<b>125,245</b>	<b>117,810</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	183	200	114	36
Brazil -----	3,827	4,497	2,025	1,356
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries-----	12,705	10,400	3,834	4,371
Finland -----	0	0	0	1/
Hungary -----	0	0	0	0
Japan -----	16,715	20,286	6,648	6,854
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	1,378	1,195
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>35,103</b>	<b>38,588</b>	<b>13,999</b>	<b>13,831</b>
<b>Other countries:</b>				
Sweden -----	3,708	2,727	1,082	1,388
Canada -----	1,641	1,711	448	1,729
India -----	224	214	64	243
Argentina -----	0	93	49	14
Taiwan -----	49	59	8	0
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
<b>Total-----</b>	<b>5,622</b>	<b>4,829</b>	<b>1,653</b>	<b>3,385</b>
<b>Grand total-----</b>	<b>40,725</b>	<b>43,417</b>	<b>15,652</b>	<b>17,216</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	412	527	286	106
Brazil -----	5,743	10,550	4,622	3,330
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	29,888	30,443	11,063	12,052
Finland -----	0	0	0	2
Hungary -----	0	0	0	0
Japan -----	40,671	63,821	20,417	20,056
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	3,928	2,992
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total</b> -----	<b>80,336</b>	<b>114,450</b>	<b>40,316</b>	<b>38,577</b>
<b>Other countries:</b>				
Sweden -----	8,981	8,819	3,553	3,943
Canada -----	3,608	4,540	1,300	4,078
India -----	420	509	145	663
Argentina -----	0	169	87	28
Taiwan -----	162	166	4	0
Switzerland -----	1	92	1	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
<b>Total</b> -----	<b>13,175</b>	<b>14,395</b>	<b>5,143</b>	<b>8,757</b>
<b>Grand total</b> -----	<b>93,511</b>	<b>128,845</b>	<b>45,459</b>	<b>47,334</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	49	88	0	0
Brazil -----	964	809	0	375
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,877	10,582	4,845	4,861
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	5,483	6,087	2,388	1,957
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	89	549
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	17	0	0	0
<b>Total-----</b>	<b>15,903</b>	<b>17,902</b>	<b>7,322</b>	<b>7,742</b>
<b>Other countries:</b>				
Sweden -----	3,159	3,497	1,375	1,812
Canada -----	1/	284	95	82
Argentina -----	0	15	0	0
Taiwan -----	148	0	0	0
India -----	0	0	0	11
<b>Total-----</b>	<b>3,307</b>	<b>3,796</b>	<b>1,470</b>	<b>1,905</b>
<b>Grand total-----</b>	<b>19,210</b>	<b>21,698</b>	<b>8,792</b>	<b>9,647</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	0	0	0
Austria -----	68	129	0	0
Brazil -----	1,543	1,991	0	683
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	23,039	30,861	14,614	11,961
Finland -----	0	0	0	0
Hungary -----	0	0	0	0
Japan -----	11,611	16,226	6,333	4,617
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	226	1,189
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	22	0	0	0
<b>Total-----</b>	<b>37,037</b>	<b>50,003</b>	<b>21,173</b>	<b>18,450</b>
<b>Other countries:</b>				
Sweden -----	7,916	11,170	4,707	5,048
Canada -----	2	787	268	238
Argentina -----	0	26	0	0
Taiwan -----	328	0	0	0
India -----	0	0	0	30
<b>Total-----</b>	<b>8,246</b>	<b>11,983</b>	<b>4,975</b>	<b>5,316</b>
<b>Grand total-----</b>	<b>45,283</b>	<b>61,986</b>	<b>26,148</b>	<b>23,766</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	1/	1/	1/	1/
Austria -----	25	105	19	1/
Brazil -----	156	849	217	27
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	8,101	7,542	3,801	2,449
Finland -----	0	7	7	0
Hungary -----	0	0	0	0
Japan -----	4,719	4,796	2,214	1,605
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	325	234
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	3	0	0	0
Yugoslavia -----	0	3	3	0
<b>Total</b> -----	<b>13,991</b>	<b>14,067</b>	<b>6,586</b>	<b>4,315</b>
<b>Other countries:</b>				
Sweden -----	2,685	2,493	1,307	821
Canada -----	2,277	2,355	1,021	1,087
Taiwan -----	1,221	1,099	556	397
India -----	209	896	526	676
Switzerland -----	268	337	186	93
Thailand -----	0	71	0	132
Singapore -----	1/	1/	0	1/
Hong Kong -----	0	1/	1/	0
<b>Total</b> -----	<b>6,660</b>	<b>7,251</b>	<b>3,596</b>	<b>3,206</b>
<b>Grand total</b> -----	<b>20,651</b>	<b>21,318</b>	<b>10,182</b>	<b>7,521</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	39	81	37	44
Austria -----	117	516	102	4
Brazil -----	304	2,069	554	115
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	24,922	28,620	14,133	9,460
Finland -----	0	58	58	0
Hungary -----	0	0	0	0
Japan -----	18,705	20,748	9,167	6,477
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	1,225	916
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	11	0	0	0
Yugoslavia -----	0	4	4	0
<b>Total -----</b>	<b>47,148</b>	<b>55,141</b>	<b>25,280</b>	<b>17,016</b>
<b>Other countries:</b>				
Sweden -----	12,922	13,952	7,162	4,471
Canada -----	9,650	12,604	5,458	5,471
Taiwan -----	3,824	3,834	1,876	1,333
India -----	414	2,432	1,188	1,741
Switzerland -----	1,254	1,590	853	409
Thailand -----	0	274	0	457
Singapore -----	5	9	0	6
Hong Kong -----	0	4	4	0
<b>Total -----</b>	<b>28,069</b>	<b>34,699</b>	<b>16,541</b>	<b>13,888</b>
<b>Grand total -----</b>	<b>75,217</b>	<b>89,840</b>	<b>41,821</b>	<b>30,904</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	23	0	0	0
Austria -----	756	664	325	284
Brazil -----	0	12	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	7,081	11,955	6,130	9,004
Finland -----	1/	0	0	0
Hungary -----	0	0	0	0
Japan -----	8,365	9,327	3,907	2,895
Mexico -----	950	346	220	130
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	201	631
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>17,567</b>	<b>22,992</b>	<b>10,787</b>	<b>13,053</b>
<b>Other countries:</b>				
Canada -----	6,925	6,241	3,242	2,657
Sweden -----	5,253	4,208	1,927	1,198
Taiwan -----	6,809	3,135	922	3,228
Thailand -----	188	332	208	0
Singapore -----	0	315	0	452
Switzerland -----	1	16	6	4
Malaysia -----	0	13	4	0
India -----	4	5	5	41
Norway -----	0	1/	1/	0
Israel -----	4	1/	1/	0
All others-----	1/	0	0	1/
<b>Total-----</b>	<b>19,184</b>	<b>14,265</b>	<b>6,314</b>	<b>7,580</b>
<b>Grand total-----</b>	<b>36,751</b>	<b>37,257</b>	<b>17,101</b>	<b>20,633</b>

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--May	
			1989	1990
Value (thousand dollars).				
<b>VRA countries:</b>				
Australia -----	135	0	0	0
Austria -----	4,157	5,246	2,538	2,020
Brazil -----	0	54	0	0
Czechoslovakia -----	0	0	0	0
East Germany -----	0	0	0	0
EC countries -----	27,461	45,286	24,806	18,757
Finland -----	1	0	0	0
Hungary -----	0	0	0	0
Japan -----	31,923	52,918	21,083	18,025
Mexico -----	2,891	1,195	697	475
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	595	1,945
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	0	0	0
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>67,823</b>	<b>107,285</b>	<b>49,735</b>	<b>41,514</b>
<b>Other countries:</b>				
Canada -----	24,048	30,786	14,712	13,020
Sweden -----	22,285	22,758	10,623	5,851
Taiwan -----	21,308	12,587	3,779	10,846
Thailand -----	458	874	482	0
Singapore -----	0	1,060	0	1,364
Switzerland -----	177	212	105	148
Malaysia -----	0	45	16	0
India -----	17	20	20	223
Norway -----	0	7	2	0
Israel -----	77	3	2	0
All others -----	2	0	0	1
<b>Total-----</b>	<b>68,372</b>	<b>68,352</b>	<b>29,741</b>	<b>31,453</b>
<b>Grand total-----</b>	<b>136,195</b>	<b>175,637</b>	<b>79,476</b>	<b>72,967</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	0	18	18	282
Austria -----	2,538	2,709	1,005	855
Brazil -----	1,920	2,052	991	884
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries -----	12,825	16,254	6,064	6,059
Finland -----	5	0	0	0
Hungary -----	0	0	0	0
Japan -----	4,416	5,543	2,096	1,381
Mexico -----	346	137	88	38
Peoples Rep of China -----	103	167	0	0
Poland -----	249	225	60	104
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	779	1,167	590	365
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	68	0	75
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>23,206</b>	<b>28,373</b>	<b>10,912</b>	<b>10,045</b>
<b>Other countries:</b>				
Sweden -----	12,254	10,867	4,914	3,198
Canada -----	8,573	8,963	4,856	3,588
Argentina -----	42	98	32	42
Soviet Union -----	0	10	0	0
Israel -----	0	1/	0	0
India -----	19	1/	1/	22
Switzerland -----	1/	1/	0	0
<b>Total-----</b>	<b>20,888</b>	<b>19,938</b>	<b>9,802</b>	<b>6,850</b>
<b>Grand total-----</b>	<b>44,094</b>	<b>48,311</b>	<b>20,714</b>	<b>16,895</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	0	41	41	635
Austria -----	6,561	7,507	2,587	2,756
Brazil -----	3,560	3,481	1,747	1,784
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries-----	23,213	31,615	11,156	14,387
Finland -----	15	0	0	0
Hungary -----	0	0	0	0
Japan -----	14,883	11,142	4,401	4,232
Mexico -----	434	183	122	92
Peoples Rep of China -----	149	219	0	0
Poland -----	468	567	115	352
Romania -----	0	0	0	0
Republic of South Africa -----	0	0	0	0
Korea, Republic of -----	1,303	1,979	792	781
Trinidad and Tobago -----	0	0	0	0
Venezuela -----	0	86	0	109
Yugoslavia -----	0	0	0	0
<b>Total-----</b>	<b>50,625</b>	<b>56,866</b>	<b>20,961</b>	<b>25,136</b>
<b>Other countries:</b>				
Sweden -----	30,589	30,000	12,864	8,282
Canada -----	12,019	12,883	6,379	5,499
Argentina -----	65	165	50	76
Soviet Union -----	0	8	0	0
Israel -----	0	10	0	0
India -----	16	4	4	53
Switzerland -----	2	1	0	0
<b>Total-----</b>	<b>42,691</b>	<b>43,071</b>	<b>19,297</b>	<b>13,910</b>
<b>Grand total-----</b>	<b>93,316</b>	<b>99,937</b>	<b>40,258</b>	<b>39,046</b>

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--May	
			1989	1990
Quantity (short tons)				
<b>VRA countries:</b>				
Australia -----	24	28	19	282
Austria -----	3,901	3,979	1,557	1,241
Brazil -----	8,863	8,218	3,232	2,682
Czechoslovakia -----	21	33	0	0
East Germany -----	4	0	0	2
EC countries -----	128,336	146,230	62,588	57,572
Finland -----	8,780	3,128	1,640	6,219
Hungary -----	0	0	0	0
Japan -----	66,251	93,860	34,538	31,983
Mexico -----	10,160	15,654	4,926	8,327
Peoples Rep of China -----	106	178	4	109
Poland -----	323	518	327	104
Romania -----	18	15	0	0
Republic of South Africa -----	0	1/	1/	0
Korea, Republic of -----	12,105	12,998	5,369	5,746
Trinidad and Tobago -----	138	0	0	0
Venezuela -----	7	68	0	75
Yugoslavia -----	17	3	3	0
<b>Total-----</b>	<b>239,054</b>	<b>284,925</b>	<b>114,203</b>	<b>114,342</b>
<b>Other countries:</b>				
Canada -----	57,153	58,521	29,755	22,154
Sweden -----	52,761	42,184	18,326	18,058
Taiwan -----	8,227	4,294	1,486	3,625
India -----	546	1,116	596	1,667
Thailand -----	188	403	208	132
Switzerland -----	270	366	191	108
Singapore -----	1/	320	0	452
Argentina -----	42	206	81	57
Malaysia -----	0	13	4	0
Soviet Union -----	0	10	0	0
All others -----	31	14	2	0
<b>Total-----</b>	<b>119,488</b>	<b>107,447</b>	<b>50,649</b>	<b>46,253</b>
<b>Grand total-----</b>	<b>358,542</b>	<b>392,372</b>	<b>164,852</b>	<b>160,595</b>

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--May	
			1989	1990
Value (thousand dollars)				
<b>VRA countries:</b>				
Australia -----	174	133	78	678
Austria -----	12,639	14,919	5,980	5,126
Brazil -----	12,173	18,144	6,923	5,971
Czechoslovakia -----	33	46	0	0
East Germany -----	6	0	0	8
EC countries -----	279,603	353,921	152,193	122,878
Finland -----	19,623	8,791	4,986	11,782
Hungary -----	0	0	0	0
Japan -----	175,325	266,312	98,995	90,026
Mexico -----	19,948	35,327	11,931	16,947
Peoples Rep of China -----	189	263	12	292
Poland -----	570	1,099	587	352
Romania -----	30	27	0	0
Republic of South Africa -----	0	4	4	0
Korea, Republic of -----	26,936	33,988	14,107	12,659
Trinidad and Tobago -----	202	0	0	0
Venezuela -----	32	86	0	109
Yugoslavia -----	22	4	4	0
<b>Total</b> -----	<b>547,505</b>	<b>733,064</b>	<b>295,800</b>	<b>266,828</b>
<b>Other countries:</b>				
Canada -----	112,639	138,065	69,180	48,262
Sweden -----	137,391	136,924	60,756	48,440
Taiwan -----	25,622	16,604	5,674	12,187
India -----	1,039	2,965	1,357	4,015
Thailand -----	458	1,148	482	457
Switzerland -----	1,434	1,895	959	602
Singapore -----	5	1,088	0	1,370
Argentina -----	65	360	137	104
Malaysia -----	0	45	16	0
Soviet Union -----	0	8	0	0
All others -----	152	129	62	1
<b>Total</b> -----	<b>278,805</b>	<b>299,231</b>	<b>138,623</b>	<b>115,438</b>
<b>Grand total</b> -----	<b>826,310</b>	<b>1,032,295</b>	<b>434,423</b>	<b>382,266</b>

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-May	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	240	259	259	231
Plate-----	405	400	405	388
Sheet and strip:				
Hot rolled-----	364	378	386	359
Cold rolled-----	509	546	557	551
Galvanized-----	552	587	571	600
Tin plate-----	567	613	601	620
Tin free-----	542	574	570	571
Other coated-----	590	616	596	641
Average, sheet and strip--	481	511	513	515
Bar:				
Hot finished-----	486	454	449	470
Cold finished-----	598	658	644	698
Reinforcing-----	262	308	293	334
Light shapes-----	382	349	356	347
Average, bar-----	396	445	436	473
Wire rod-----	347	374	379	356
Wire-----	691	734	737	748
Wire products-----	659	928	913	970
Structural shapes and units:				
Heavy structurals-----	376	377	374	358
Fabricated structurals-----	939	1,129	1,066	1,324
Average, structurals-----	436	452	436	484
Rails and related products--	383	471	502	455
Pipe and tube:				
Oil country tubular goods--	730	743	798	694
Line pipe-----	529	563	580	513
Mechanical pipe-----	675	787	720	862
Structural pipe-----	507	563	570	546
Pressure tubing-----	793	1,021	882	1,317
Other (incl. standard)-----	487	520	506	508
Average, pipe and tube-----	600	615	622	573
Average, carbon and certain alloy 1/ steel--	450	489	489	490

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-May	
			1989	1990
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/	1,490	1,722	1,688	1,380
Plate	2,207	2,962	2,938	2,176
Sheet and strip:				
Sheet	2,067	2,084	2,157	1,891
Strip	3,331	3,255	3,332	3,109
Average, sheet and strip	2,149	2,253	2,339	2,071
Bars and shapes	2,296	2,968	2,904	2,749
Wire rod	2,357	2,857	2,974	2,464
Wire	3,642	4,214	4,108	4,109
Pipe and tube	3,706	4,714	4,647	3,537
Alloy tool steel (all forms)	2,116	2,069	1,944	2,311
Average, stainless and alloy steel	2,306	2,631	2,635	2,380

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-May	
			1989	1990
Quantity (short tons)				
Carbon and certain alloy <u>3/</u> steel:				
Semifinished <u>2/</u>				
Ingots-----	103,282	25,863	20,581	8,072
Blooms and billets-----	581,907	504,638	259,339	151,933
Slabs and sheet bars-----	2,097,383	1,605,189	562,999	705,362
Total-----	2,782,572	2,135,690	842,920	865,368
Plate:				
Carbon-----	1,750,917	1,312,364	521,565	463,154
Alloy-----	106,172	107,032	43,204	42,275
Total-----	1,857,090	1,419,396	564,769	505,429
Sheet and strip:				
Hot rolled:				
Sheet-----	2,199,268	1,835,755	705,422	648,745
Strip-----	49,553	110,452	46,370	38,779
Cold rolled:				
Black plate-----	145,166	144,642	62,010	54,951
Electrical-----	64,684	85,328	36,043	26,703
Other sheet-----	2,011,242	1,701,183	621,127	551,074
Other strip-----	126,534	112,196	49,130	48,487
Galvanized-----	1,948,811	1,625,227	632,411	664,957
Tin plate-----	294,552	337,330	143,746	133,185
Tin free-----	97,460	114,902	49,573	45,122
Other coated-----	248,111	235,827	102,033	82,672
Total-----	7,185,380	6,302,844	2,447,863	2,294,676
Bar:				
Hot rolled:				
Carbon-----	476,951	525,944	217,862	169,993
Alloy-----	186,902	238,912	110,677	81,886
Cold rolled:				
Carbon-----	161,345	118,180	53,929	38,171
Alloy-----	52,093	46,608	22,104	16,593
Reinforcing-----	357,253	233,733	111,779	51,365
Light structural shapes-----	126,568	100,927	50,015	33,700
Total-----	1,361,113	1,264,305	566,365	391,708

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	January-May			
	1988	1989	1989	1990
Quantity (short tons)				
Wire rod and related products:				
Wire rod:				
Carbon-----	1,355,951	1,085,797	440,486	433,273
Alloy-----	118,672	42,620	18,594	6,130
Wire:				
Carbon-----	486,699	432,369	191,267	172,947
Alloy-----	33,028	40,615	18,265	17,605
Wire products:				
Nails-----	364,748	384,737	145,220	185,576
Barbed wire-----	15,538	12,440	6,245	7,247
Wire fencing-----	12,052	60,907	26,198	19,816
Bale ties-----	1,849	955	510	341
Wire strand-----	88,300	161,751	66,943	71,647
Wire rope-----	77,564	82,812	33,828	28,929
Milliners wire-----	12,400	0	0	1
Total-----	2,566,801	2,305,004	947,557	943,511
Structurals:				
Heavy-----	1,955,762	1,477,782	750,322	352,723
Fabricated-----	232,705	162,579	73,966	52,866
Total-----	2,188,467	1,640,361	824,288	405,589
Rails and related products:				
Rails-----	260,006	244,236	115,299	114,220
Joint bars and tie plates-----	8,487	14,023	8,939	4,310
Track spikes-----	205	5,853	3,543	1,293
Wheels and axles-----	50,734	58,873	25,858	7,967
Total-----	319,432	322,985	153,638	127,790
Pipes and tubes:				
Oil country tubular goods-----	1,032,296	429,448	158,711	138,170
Line pipe-----	507,914	526,983	186,722	325,562
Mechanical pipe-----	382,270	281,056	175,847	76,933
Structural pipe-----	278,870	323,918	145,142	127,844
Pressure tubing-----	52,100	44,944	24,550	14,224
Other (including standard)-----	996,487	829,195	312,542	408,605
Total-----	3,249,937	2,435,544	1,003,514	1,091,336

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-May	
			1989	1990
Quantity (short tons)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	3,877	191	36	52
Blooms and billets-----	40,772	42,268	20,583	14,309
Slabs and sheet bars-----	17,758	19,663	9,931	9,198
Total-----	62,407	62,121	30,549	23,558
Plate-----	15,847	17,713	8,327	8,233
Sheet and strip:				
Sheet:				
Hot rolled-----	7,331	8,070	3,747	2,436
Cold rolled-----	103,577	112,191	41,474	46,073
Strip-----	7,676	20,258	8,317	8,384
Total-----	118,584	140,519	53,537	56,893
Bars and shapes-----	40,724	43,417	15,653	17,216
Wire rod-----	19,210	21,698	8,792	9,647
Wire-----	20,653	21,319	10,181	7,521
Pipe and tube-----	36,752	37,258	17,103	20,632
Alloy tool steel (all forms):				
Semifinished 2/-----	4,408	1,005	500	78
Bars-----	28,867	1,576	853	417
Other-----	10,820	45,732	19,359	16,400
Total-----	44,095	48,313	20,713	16,895

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-May	
			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	2.44	0.93
Blooms and billets-----	20.91	23.63	30.77	17.56
Slabs and sheet bars-----	75.38	75.16	66.79	81.51
Total-----	100.00	100.00	100.00	100.00
Plate:				
Carbon-----	94.28	92.46	92.35	91.64
Alloy-----	5.72	7.54	7.65	8.36
Total-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Hot rolled:				
Sheet-----	30.61	29.13	28.82	28.27
Strip-----	0.69	1.75	1.89	1.69
Cold rolled:				
Black plate-----	2.02	2.29	2.53	2.39
Electrical-----	0.90	1.35	1.47	1.16
Other sheet-----	27.99	26.99	25.37	24.02
Other strip-----	1.76	1.78	2.01	2.11
Galvanized-----	27.12	25.79	25.84	28.98
Tin plate-----	4.10	5.35	5.87	5.80
Tin free-----	1.36	1.82	2.03	1.97
Other coated-----	3.45	3.74	4.17	3.60
Total-----	100.00	100.00	100.00	100.00
Bar:				
Hot rolled:				
Carbon-----	35.04	41.60	38.47	43.40
Alloy-----	13.73	18.90	19.54	20.90
Cold rolled:				
Carbon-----	11.85	9.35	9.52	9.74
Alloy-----	3.83	3.69	3.90	4.24
Reinforcing-----	26.25	18.49	19.74	13.11
Light structural shapes-----	9.30	7.98	8.83	8.60
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. import 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-May	
			1989	1990
Share of product group totals (percent)				
Wire rod and related products:				
Wire rod:				
Carbon-----	52.83	47.11	46.49	45.92
Alloy-----	4.62	1.85	1.96	0.65
Wire:				
Carbon-----	18.96	18.76	20.19	18.33
Alloy-----	1.29	1.76	1.93	1.87
Wire products:				
Nails-----	14.21	16.69	15.33	19.67
Barbed wire-----	0.61	0.54	0.66	0.77
Wire fencing-----	0.47	2.64	2.76	2.10
Bale ties-----	0.07	0.04	0.05	0.04
Wire strand-----	3.44	7.02	7.06	7.59
Wire rope-----	3.02	3.59	3.57	3.07
Milliners wire-----	0.48	0.00	0.00	1/
Total-----	100.00	100.00	100.00	100.00
Structurals:				
Heavy-----	89.37	90.09	91.03	86.97
Fabricated-----	10.63	9.91	8.97	13.03
Total-----	100.00	100.00	100.00	100.00
Rails and related products:				
Rails-----	81.40	75.62	75.05	89.38
Joint bars and tie plates-----	2.66	4.34	5.82	3.37
Track spikes-----	0.06	1.81	2.31	1.01
Wheels and axles-----	15.88	18.23	16.83	6.23
Total-----	100.00	100.00	100.00	100.00
Pipes and tubes:				
Oil country tubular goods-----	31.76	17.63	15.82	12.66
Line pipe-----	15.63	21.64	18.61	29.83
Mechanical pipe-----	11.76	11.54	17.52	7.05
Structural pipe-----	8.58	13.30	14.46	11.71
Pressure tubing-----	1.60	1.85	2.45	1.30
Other (including standard)-----	30.66	34.05	31.14	37.44
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-May	
			1989	1990
Share of product group totals (percent)				
Stainless and alloy tool steel:				
Stainless:				
Semifinished:				
Ingots-----	6.21	0.31	0.12	0.22
Blooms and billets-----	65.33	68.04	67.38	60.74
Slabs and sheet bars-----	28.45	31.65	32.51	39.04
Total-----	100.00	100.00	100.00	100.00
Plate-----	100.00	100.00	100.00	100.00
Sheet and strip:				
Sheet:				
Hot rolled-----	6.18	5.74	7.00	4.28
Cold rolled-----	87.34	79.84	77.47	80.98
Strip-----	6.47	14.42	15.53	14.74
Total-----	100.00	100.00	100.00	100.00
Bars and shapes-----	100.00	100.00	100.00	100.00
Wire rod-----	100.00	100.00	100.00	100.00
Wire-----	100.00	100.00	100.00	100.00
Pipe and tube-----	100.00	100.00	100.00	100.00
Alloy tool steel (all forms):				
Semifinished <sup>2/</sup> -----	10.00	2.08	2.42	0.46
Bars-----	65.47	3.26	4.12	2.47
Other-----	24.54	94.66	93.46	97.07
Total-----	100.00	100.00	100.00	100.00

<sup>1/</sup> Milliners wire is included in total wire products.

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

<sup>3/</sup> 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-May	
			1989	1990
Atlantic Coast	4,743,215	3,510,909	1,785,558	1,289,345
Great Lakes-Canadian border	6,342,613	5,688,226	2,005,572	1,853,683
Gulf Coast-Mexican border	5,938,464	4,561,954	1,980,790	1,800,248
Off-shore	403,506	371,695	171,610	111,152
Pacific Coast	4,441,267	4,085,702	1,572,239	1,731,574
Total	21,869,065	18,218,486	7,515,768	6,786,002

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-May	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	471,964	323,401	185,103	80,404
Plate-----	331,537	216,546	102,211	89,953
Sheet and strip-----	1,771,637	1,281,884	647,711	510,904
Bars and certain shapes-----	220,708	155,134	80,598	51,049
Wire rod-----	297,606	215,013	106,188	76,080
Wire-----	108,857	88,009	39,290	32,624
Wire products-----	220,011	237,679	98,999	103,097
Structural shapes and units--	602,240	458,130	273,230	77,382
Rails and related products---	36,885	35,669	17,301	17,605
Pipe and tube-----	523,784	340,606	169,163	176,640
Total-----	4,585,229	3,352,071	1,714,794	1,215,739
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	24,249	14,669	7,772	9,573
Plate-----	6,134	8,900	4,628	4,650
Sheet and strip-----	45,874	47,438	21,589	21,989
Bars and certain shapes-----	22,371	22,418	8,825	7,114
Wire rod-----	13,526	16,289	6,433	7,250
Wire-----	10,593	11,848	5,524	3,927
Pipe and tube-----	12,391	14,468	5,858	10,238
Tool steel (all forms)-----	22,848	22,807	10,135	8,864
Total-----	157,986	158,838	70,764	73,606
Grand Total-----	4,743,215	3,510,909	1,785,558	1,289,345

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-May	
			1989	1990
<b>Carbon and certain alloy 1/ steel:</b>				
Semifinished 2/-----	414,978	393,604	121,030	112,541
Plate-----	723,681	551,017	177,662	168,820
Sheet and strip-----	2,396,464	2,145,556	629,447	609,765
Bars and certain shapes-----	625,771	650,140	261,037	197,859
Wire rod-----	545,070	466,968	189,369	196,052
Wire-----	253,271	230,319	108,940	94,430
Wire products-----	83,750	106,485	42,742	48,695
Structural shapes and units--	522,423	375,682	134,947	155,548
Rails and related products--	179,981	161,932	67,348	43,875
Pipe and tube-----	488,579	492,836	226,029	186,176
<b>Total-----</b>	<b>6,233,970</b>	<b>5,574,539</b>	<b>1,958,552</b>	<b>1,813,761</b>
<b>Stainless and alloy tool steel:</b>				
Stainless steel:				
Semifinished 2/-----	34,966	36,980	18,934	11,971
Plate-----	3,246	2,652	989	1,678
Sheet and strip-----	33,923	35,682	11,043	10,604
Bars and certain shapes-----	4,098	4,337	1,025	3,194
Wire rod-----	661	822	345	541
Wire-----	6,053	5,832	2,710	2,080
Pipe and tube-----	7,833	7,190	3,523	3,089
Tool steel (all forms)-----	17,864	20,192	8,451	6,764
<b>Total-----</b>	<b>108,644</b>	<b>113,688</b>	<b>47,020</b>	<b>39,922</b>
<b>Grand Total-----</b>	<b>6,342,613</b>	<b>5,688,226</b>	<b>2,005,572</b>	<b>1,853,683</b>

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-May	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	1,061,770	684,289	327,091	263,495
Plate-----	567,614	439,139	187,538	188,130
Sheet and strip-----	1,558,244	1,316,891	589,632	457,920
Bars and certain shapes-----	137,056	157,610	79,870	55,658
Wire rod-----	349,946	220,248	83,237	84,658
Wire-----	64,524	61,675	25,889	25,971
Wire products-----	105,823	138,125	52,447	73,607
Structural shapes and units-----	493,074	323,672	177,419	76,246
Rails and related products-----	64,016	81,408	50,435	28,656
Pipe and tube-----	1,493,874	1,070,870	381,056	518,726
Total-----	5,895,942	4,493,927	1,954,616	1,773,066
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	3,131	10,462	3,844	2,011
Plate-----	3,233	4,000	1,867	924
Sheet and strip-----	16,038	30,331	10,173	14,491
Bars and certain shapes-----	6,668	7,646	2,645	3,367
Wire rod-----	1,220	1,735	649	847
Wire-----	606	1,144	484	946
Pipe and tube-----	10,896	11,123	6,101	3,998
Tool steel (all forms)-----	730	1,585	409	598
Total-----	42,523	68,027	26,173	27,182
Grand Total-----	5,938,464	4,561,954	1,980,790	1,800,248

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-May	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	3/	0	0	0
Plate-----	13,906	7,984	3,062	2,889
Sheet and strip-----	72,445	77,155	28,998	38,456
Bars and certain shapes-----	157,820	169,928	82,882	40,752
Wire rod-----	16,953	5,174	5,174	5,909
Wire-----	14,739	11,407	4,963	4,791
Wire products-----	10,190	6,070	2,393	2,527
Structural shapes and units-----	21,786	28,269	17,868	4,534
Rails and related products-----	88	333	211	74
Pipe and tube-----	93,829	64,215	25,069	11,175
Total-----	401,758	370,554	170,621	111,107
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	0	0	0	0
Plate-----	3/	1	0	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	641	18
Pipe and tube-----	42	18	18	8
Tool steel (all forms)-----	0	295	295	19
Total-----	1,748	1,161	990	45
Grand Total-----	403,506	371,695	171,610	111,152

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-May	
			1989	1990
Carbon and certain alloy 1/ steel:				
Semifinished 2/-----	833,859	734,396	209,696	408,928
Plate-----	220,352	204,710	94,296	55,638
Sheet and strip-----	1,386,590	1,481,358	552,075	677,632
Bars and certain shapes-----	219,758	131,492	61,977	46,391
Wire rod-----	265,048	221,015	75,111	76,704
Wire-----	78,336	81,573	30,450	32,736
Wire products-----	152,677	215,243	82,362	85,630
Structural shapes and units---	548,943	454,608	220,824	91,879
Rails and related products---	38,461	43,644	18,344	37,580
Pipe and tube-----	649,871	467,017	207,197	198,619
Total-----	4,393,893	4,035,056	1,552,332	1,711,734
Stainless and alloy tool steel:				
Stainless steel:				
Semifinished 2/-----	61	10	0	3
Plate-----	3,233	2,159	841	981
Sheet and strip-----	22,749	27,032	10,696	9,809
Bars and certain shapes-----	7,573	9,015	3,157	3,540
Wire rod-----	3,803	2,852	1,364	1,009
Wire-----	1,711	1,685	822	550
Pipe and tube-----	5,590	4,459	1,602	3,299
Tool steel (all forms)-----	2,653	3,433	1,423	650
Total-----	47,373	50,646	19,907	19,840
Grand Total-----	4,441,267	4,085,702	1,572,239	1,731,574

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

OFFICE OF  
 SECRETARY  
 NOV 27 11:07 AM '89

November 27, 1989

SOCKET NUMBER
1541
Office of the Secretary Int'l Trade Commission

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

SECRETARY  
 OFFICE OF THE SECRETARY

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-276 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 7020-02-01

[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 878.3535 and 878.3545 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 Brundsale and Vice Chairman Cass 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 7020-02-01

[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. 332-228, 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]

BILLING CODE 7020-02-01

[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>2</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.

