

up 2

1978 b

**STAINLESS STEEL AND ALLOY TOOL STEEL:
U. S. PRODUCTION, SHIPMENTS,
EMPLOYMENT, MAN-HOURS, AND PRICES
FOURTH CALENDAR QUARTER 1977**

**Report to the President
on Investigation No. 332-94
Under Section 332
of the Tariff Act of 1930**

FEBRUARY 1978

USITC Publication 853



UNITED STATES INTERNATIONAL TRADE COMMISSION

COMMISSIONERS

Daniel Minchew, Chairman

Joseph O. Parker, Vice Chairman

George M. Moore

Catherine Bedell

Italo H. Ablondi

Bill Alberger

Kenneth R. Mason, Secretary to the Commission

This report was prepared principally by

Nicholas C. Tolerico, Minerals and Metals Division

assisted by

Elizabeth Diller, Minerals and Metals Division

Office of Industries
Norris A. Lynch Director

Address all communications to
Office of the Secretary
United States International Trade Commission
Washington, D.C. 20436

Table 1.--Stainless steel and alloy tool steel: U.S. production, by types, 1974-76 and specified periods, January 1976-December 1977

Period	(In tons)					Tool steel, all forms
	Stainless steel					
	Sheet and strip	Plate	Bar	Rod	Total	
1974-----	820,025	144,344	176,245	63,281	1,203,895	124,537
1975-----	417,308	111,760	100,073	28,306	657,447	65,489
1976 1/-	743,036	95,921	119,529	36,152	994,638	68,668
1977 1/-	754,170	106,121	142,488	31,536	1,034,315	67,481
1976:						
January-March-----	182,147	22,984	27,134	7,819	240,084	14,817
April-June-----	196,723	27,066	31,309	10,748	265,846	15,836
July-September-----	180,565	24,586	29,185	9,280	243,616	17,114
October-December-----	183,045	21,301	31,930	8,158	244,434	20,054
1977:						
January-March-----	196,277	24,657	34,786	7,612	263,332	16,966
April-June-----	225,545	29,804	40,454	9,014	304,817	20,237
July-September-----	173,549	23,746	33,014	8,271	238,580	13,876
October-December-----	169,976	27,952	34,426	6,654	239,008	16,236
1977:						
January-----	60,700	7,186	11,693	2,356	81,935	5,295
February-----	55,799	5,928	10,477	2,328	74,532	4,745
March-----	79,778	11,543	12,616	2,928	106,865	6,926
April-----	73,512	9,057	12,973	2,185	97,727	5,277
May-----	66,771	9,488	13,479	2,625	92,363	7,321
June-----	85,262	11,259	14,002	2,704	113,227	7,639
July-----	53,300	6,247	9,983	2,738	72,268	3,642
August-----	58,968	8,292	9,780	2,646	79,686	4,505
September-----	61,281	9,207	13,251	2,887	86,626	5,729
October-----	50,497	8,562	11,617	2,178	72,854	4,868
November-----	57,938	9,860	11,937	1,666	81,401	5,270
December-----	61,541	9,530	10,872	2,810	84,753	6,098

1/ The totals for 1976 and 1977 do not equal the quarterly totals for 1976 and 1977 because of adjustments and corrections made by some companies in their questionnaires to the Commission.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 2.--Stainless steel and alloy tool steel: U.S. producers' shipments, by types,
1974-76 and specified periods, January 1976-December 1977

Period	(In tons)					Tool steel, all forms
	Stainless steel					
	Sheet and strip	Plate	Bar	Rod	Total	
1974-----	825,298	140,167	168,460	25,816	1,159,741	104,555
1975-----	440,696	109,696	111,781	10,453	672,626	71,272
1976 1/------	692,399	93,668	120,893	17,397	924,357	69,111
1977 1/------	728,487	98,587	139,006	22,989	989,069	67,960
1976:						
January-March-----	163,286	24,362	30,297	3,019	220,964	17,055
April-June-----	175,434	25,352	31,999	3,855	236,640	17,674
July-September-----	174,510	23,419	29,329	4,593	231,851	16,258
October-December-----	179,495	22,883	29,535	5,937	237,850	17,629
1977:						
January-March-----	188,364	22,303	36,706	6,131	253,504	16,683
April-June-----	205,869	26,847	38,096	6,745	277,557	18,346
July-September-----	179,485	25,556	30,810	5,214	241,065	15,204
October-December-----	166,295	23,795	33,748	4,914	228,752	17,023
1977:						
January-----	58,369	6,462	11,744	1,810	78,385	5,190
February-----	55,879	6,536	10,702	1,785	74,902	5,096
March-----	74,116	9,305	14,260	2,536	100,217	6,397
April-----	62,470	7,993	12,577	1,828	84,868	5,741
May-----	67,493	8,791	11,728	2,316	90,328	5,950
June-----	75,906	10,063	13,791	2,601	102,361	6,617
July-----	55,403	8,402	9,382	2,007	75,194	4,368
August-----	58,088	8,626	9,708	1,472	77,894	5,137
September-----	65,994	8,528	11,720	1,735	87,977	5,699
October-----	54,954	7,404	11,053	1,693	75,104	5,277
November-----	53,423	8,020	11,284	1,474	74,201	5,604
December-----	57,918	8,371	11,411	1,747	79,447	6,142

1/ The totals for 1976 and 1977 do not equal the quarterly totals for 1976 and 1977 because of adjustments and corrections made by some companies in their questionnaires to the Commission.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 3.--Average number of all persons employed in U.S. establishments in which stainless steel and alloy tool steel were produced, 1974-76 and specified periods, January 1976-December 1977

Period	Stainless steel					Tool steel, all forms
	Sheet and strip	Plate	Bar	Rod	Total	
1974-----	15,271	3,130	6,666	734	25,801	6,210
1975-----	9,288	2,236	5,050	386	16,960	4,741
1976 1/-----	11,903	2,307	5,249	618	20,077	4,690
1977 1/-----	11,566	2,253	5,703	656	20,178	4,157
1976:						
January-March-----	10,636	1,708	5,128	416	17,888	4,394
April-June-----	10,747	1,838	5,252	516	18,353	4,584
July-September-----	11,999	2,371	5,339	703	20,412	4,716
October-December-----	12,973	2,367	5,281	760	21,381	4,878
1977:						
January-March-----	12,592	2,117	5,936	656	21,301	4,528
April-June-----	12,350	2/ 2,333	6,130	772	2/ 21,585	4,649
July-September-----	11,512	2,316	5,648	632	20,108	4,089
October-December-----	10,242	2,140	5,099	538	18,018	3,360
1977:						
January-----	12,640	2,184	6,103	604	21,531	4,312
February-----	12,103	1,974	5,791	623	20,491	4,623
March-----	13,033	2,194	5,916	740	21,883	4,649
April-----	12,128	2,371	6,271	704	21,474	4,554
May-----	11,875	2,301	5,915	861	20,952	4,673
June-----	13,046	2,328	6,204	752	22,330	4,720
July-----	10,991	2,529	5,578	737	19,835	4,107
August-----	11,704	2,237	5,440	534	19,915	4,075
September-----	11,841	2,181	5,927	624	20,573	4,086
October-----	10,256	2,107	5,132	568	18,063	3,372
November-----	10,386	2,122	5,321	484	18,313	3,367
December-----	10,085	2,191	4,843	563	17,682	3,341

1/ The totals for 1976 and 1977 do not equal the quarterly totals for 1976 and 1977 because of adjustments and corrections made by some companies in their questionnaires to the Commission.

2/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 4.--Average number of production and related workers employed in U.S. establishments in which stainless steel and alloy tool steel were produced, 1974-76 and specified periods, January 1976-December 1977

Period	Stainless steel				Tool steel, all forms	
	Sheet and strip	Plate	Bar	Rod	Total	
1974-----	12,439	2,397	4,136	501	19,473	4,351
1975-----	7,331	1,807	3,255	288	12,681	3,421
1976 1/-----	9,360	1,715	3,613	439	15,127	3,497
1977 1/-----	9,302	1,656	4,001	455	15,414	3,059
1976:						
January-March-----	8,608	1,568	3,404	265	13,845	3,232
April-June-----	9,023	1,674	3,566	356	14,619	3,491
July-September-----	9,406	1,861	3,731	495	15,493	3,567
October-December-----	10,377	1,747	3,682	540	16,346	3,688
1977:						
January-March-----	9,960	1,561	4,169	481	16,171	3,415
April-June-----	2/ 9,939	2/ 1,761	2/ 4,401	544	2/ 16,645	2/ 3,493
July-September-----	9,166	1,714	3,967	426	15,273	2,865
October-December-----	8,145	1,577	3,465	359	13,546	2,466
1977:-----						
January-----	10,066	1,619	4,266	465	16,416	3,229
February-----	9,504	1,443	4,049	445	15,441	3,476
March-----	10,310	1,620	4,191	533	16,654	3,540
April-----	9,797	1,770	4,479	508	16,554	3,414
May-----	9,567	1,711	4,247	603	16,128	3,486
June-----	10,453	1,803	4,477	521	17,254	3,579
July-----	8,753	1,904	3,930	487	15,074	2,879
August-----	9,329	1,653	3,796	370	15,148	2,846
September-----	9,416	1,584	4,175	423	15,598	2,869
October-----	7,869	1,424	3,495	380	13,168	2,481
November-----	8,416	1,533	3,608	334	13,891	2,475
December-----	8,152	1,617	3,292	364	13,425	2,441

1/ The totals for 1976 and 1977 do not equal the quarterly totals for 1976 and 1977 because of adjustments and corrections made by some companies in their questionnaires to the Commission.

2/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 5.--Man-hours worked by production and related workers in U.S. establishments in which stainless steel and alloy tool steel were produced, 1974-76 and specified periods, January 1976-December 1977
(In thousands)

Period	Stainless steel				Tool steel, all forms
	Sheet and strip	Plate	Bar	Rod	Total
1974-----	21,858	4,977	9,748	1,068	37,651
1975-----	12,974	3,266	6,604	428	23,272
1976 1/-----	16,767	3,033	7,014	682	27,496
1977 1/-----	17,816	3,044	8,201	917	29,878
1976:					
January-March-----	4,067	725	1,686	117	6,595
April-June-----	4,299	759	1,865	166	7,089
July-September-----	4,362	797	1,838	200	7,197
October-December-----	4,702	753	1,900	242	7,597
1977:					
January-March-----	4,769	732	1,987	229	7,717
April-June-----	2/ 4,829	801	2,245	2/ 278	2/ 8,153
July-September-----	4,252	772	1,905	212	7,141
October-December-----	4,024	740	2,005	202	6,971
1977:					
January-----	1,583	245	663	70	2,561
February-----	1,451	213	577	65	2,306
March-----	1,735	274	747	94	2,850
April-----	1,513	253	722	81	2,569
May-----	1,547	260	702	103	2,612
June-----	1,769	288	821	94	2,972
July-----	1,305	251	600	79	2,235
August-----	1,442	269	574	60	2,345
September-----	1,505	252	731	73	2,561
October-----	1,329	238	657	69	2,293
November-----	1,327	242	667	61	2,297
December-----	1,368	260	681	72	2,381

1/ The totals for 1976 and 1977 do not equal the quarterly totals for 1976 and 1977 because of adjustments and corrections made by some companies in their previous questionnaires to the Commission.
2/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 6.--Stainless steel sheet (cold rolled): Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of sheet to steel service centers or distributors, by months, January-December 1977

(In cents per pound)						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
Grade 430, 2B finish, 20 gauge x coil						
1977:						
January-----	63-73	70	63-73	70		70
February-----	70-73	72	70-73	72		72
March-----	73	73	73	73		73
April-----	88	88	88	88		88
May-----	79-94	81	79-94	88		81
June-----	95	95	95	95		95
July-----	88	88	88	88		88
August-----	79-88	81	79-88	81		81
September-----	88	88	88	88		88
October-----	89	89	89	89		89
November-----	89	89	89	89		89
December-----	89	89	89	89		89
1978:						
January-----						
February-----						
March-----						
Grade 304, 2B finish, 8-14 gauge x 36" x coil						
1977:						
January-----	69-74	73	71-74	72		69
February-----	69-74	71	69-74	72		69
March-----	69-74	71	70-74	71		70
April-----	67-74	68	74	74		72
May-----	67-74	73	75	75		75
June-----	72-82	76	74-82	77		76
July-----	69-74	72	69-74	72		73
August-----	72-74	73	72-74	73		73
September-----	70-74	72	70-74	72		73
October-----	69-74	73	70-74	73		73
November-----	69-74	73	70-74	73		74
December-----	69-74	73	69-74	74		74
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 7.--Stainless steel plate (hot rolled): Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of plate to steel service centers or distributors, by months, January- December 1977

(In cents per pound)						
Grade 304, HRAP, 1/4" x 72" x 240"						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
1977:						
January-----	84-98	90	84-98	90		90
February-----	84-98	84	84-98	84		84
March-----	84-98	84	84-98	84		84
April-----	84-86	84	84-86	84		84
May-----	84-86	84	84-86	84		84
June-----	84-86	86	84-86	86		86
July-----	84-89	85	84-89	85		85
August-----	84-89	85	84-89	85		85
September-----	84-89	85	84-89	85		85
October-----	84-89	84	84-89	84		84
November-----	84-89	84	84-89	84		84
December-----	84-88	86	84-88	86		86
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 8.--Stainless steel bars: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of bars to steel service centers or distributors, by months, January-December 1977

(In cents per pound)						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
Grade 303, cold finished, 1/2" round						
1977:						
January-----	97-119	106	97-119	107		114
February-----	99-119	107	102-119	110		108
March-----	94-119	109	105-119	109		107
April-----	95-119	108	95-119	108		108
May-----	100-119	110	102-119	108		110
June-----	102-119	113	102-119	113		112
July-----	102-119	113	109-114	112		112
August-----	109-119	110	109-114	112		112
September----	110-119	114	110-114	114		114
October-----	109-119	115	114-119	116		118
November-----	101-119	115	101-119	116		118
December-----	105-119	115	109-131	116		117
1978.						
January-----						
February-----						
March-----						
Grade 304, cold finished, 1-1/2" round						
1977:						
January-----	98	98	98	<u>1/</u> 98		107
February-----	92- 98	93	92- 98	92		93
March-----	93- 98	93	93- 98	93		94
April-----	90- 98	94	90-115	96		98
May-----	90-101	94	90-113	98		98
June-----	88-107	98	93-115	103		100
July-----	98-104	100	98-104	100		101
August-----	93-103	102	93-103	102		102
September----	93-104	99	93-104	98		98
October-----	98-101	100	98-115	104		104
November-----	98-101	100	98-115	104		105
December-----	98-103	100	104-115	104		105
1978:						
January-----						
February-----						
March-----						

1/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 9.--Stainless steel bar: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of bar to steel service centers or distributors, by months, January-December 1977

(In cents per pound)						
Year and month	Grade 416, cold finished, 2" round					
	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
1977:						
January-----	81- 85	82	81- 85	82		82
February-----	83- 86	85	83- 86	85		85
March-----	85-118	98	85-118	98		101
April-----	82-122	88	82-122	88		89
May-----	83-118	87	83-118	95		94
June-----	80- 85	83	86- 97	92		91
July-----	81- 90	83	81- 90	83		83
August-----	85- 92	90	85- 92	90		90
September-----	85- 93	86	85- 93	86		87
October-----	85- 91	88	85-92	88		90
November-----	85- 93	88	85- 93	89		90
December-----	85- 92	89	85- 92	89		90
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 10.--High-speed tool steel bars: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of bars to steel service centers or distributors, by months, January-December 1977

(In cents per pound)						
Year and month	Lowest Price		Prices at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
	Grade M2, 1" round x random lengths					
1977:						
January-----	268-309	286	285-309	289	288	
February-----	207-367	268	207-367	271	282	
March-----	233-309	263	233-309	267	268	
April-----	268-309	290	302-309	307	280	
May-----	220-309	230	220-353	240	236	
June-----	268-309	285	302-309	307	<u>1/</u> 297	
July-----	294-338	326	331-338	335	331	
August-----	294-338	326	331-338	332	329	
September----	294-338	326	331-338	334	332	
October-----	294-338	336	331-338	334	337	
November-----	264-338	306	264-338	306	306	
December-----	294-338	336	331-338	334	337	
1978:						
January-----						
February-----						
March-----						
	Grade 0-1, 1" x 4", cold finished, decarb free					
1977:						
January-----	130-145	130	132-157	141	141	
February-----	130-145	132	132-157	140	142	
March-----	130-145	135	130-148	135	137	
April-----	135-153	135	135-153	140	141	
May-----	135-153	143	135-153	143	143	
June-----	135-153	140	135-153	140	140	
July-----	135-150	141	135-150	141	141	
August-----	135-150	141	135-150	141	141	
September----	135-150	141	135-150	141	141	
October-----	135-150	137	135-150	137	137	
November-----	135-150	138	135-150	138	138	
December-----	135-150	138	135-150	138	138	
1978:						
January-----						
February-----						
March-----						

1/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for

Table 11.--Stainless steel strip: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of strip to end-use customers, by months, January-December 1977

(In cents per pound)						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
Grade 430, 2 finish, .060" x 3" to 12" x coil						
1977:						
January-----	75	75	75	75	75	75
February-----	73-75	75	75-78	76	76	76
March-----	75-78	75	75-78	75	75	75
April-----	75	75	75	75	75	75
May-----	75-81	78	75-81	78	78	78
June-----	77-81	80	77-81	80	80	80
July-----	81-84	81	81-84	81	81	81
August-----	81-84	83	81-84	83	83	83
September-----	81-83	81	81-84	81	81	81
October-----	84	84	84	84	84	84
November-----	84	84	84	84	84	84
December-----	81	81	85	85	85	84
1978:						
January-----						
February-----						
March-----						
Grade 430, 2 finish, .02" x 1" to under 1-1/2" x coil						
1977:						
January-----	86	86	86	86	86	86
February-----	74-86	83	83-86	85	85	83
March-----	74-86	83	83-86	85	85	83
April-----	86	86	86	86	86	86
May-----	83-90	88	83-90	88	88	88
June-----	79-90	89	79-90	89	89	89
July-----	83-90	89	87-90	89	89	89
August-----	79-90	83	87-90	88	88	88
September-----	87-90	88	87-90	89	89	89
October-----	--	--	--	--	--	--
November-----	90-96	93	90-96	93	93	93
December-----	87-90	89	87-90	89	89	89
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 12.--Stainless steel strip: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of strip to end-use customers, by months, January-December 1977

(In cents per pound)						
Grade 434, 2 finish, BA .017 to under .020" x 1" to under 1-1/2" x coil						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
1977:						
January-----	85-94	91	85-94	91		91
February-----	88-94	92	85-94	92		92
March-----	92-94	93	92-94	93		93
April-----	88-94	93	89-94	91		93
May-----	99	99	99	99		99
June-----	88-99	98	88-99	98		98
July-----	94-99	99	96-99	99		99
August-----	94-99	99	97-99	99		99
September-----	94-99	99	99	99		99
October-----	93	93	93	93		93
November-----	--	--	--	--		--
December-----	85	85	85	85		85
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 13.--Stainless steel sheet (cold rolled): Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of sheet to end-use customers, by months, January-December 1977

(In cents per pound)						
Year and month	: Grade 304, 2 finish, .035" to under .050" x over 12"					
	: to 18" x coil					
	: Lowest price		: Price at which largest		: Weighted	
			: volume was shipped		: average	
	: Range		: Range		: Weighted	
	: Weighted		: Weighted		: total	
	: average		: average		: quantity	
					: shipped	
1977:						
January-----	79-90	84	80-90	85	82	
February-----	76-90	86	85-90	88	84	
March-----	84-89	88	84-90	87	86	
April-----	84-90	88	84-90	87	87	
May-----	83-98	96	84-98	88	87	
June-----	85-98	89	85-98	86	87	
July-----	86-98	90	86-98	90	90	
August-----	98	98	98	98	98	
September-----	98	98	98	98	98	
October-----	89-90	90	89-90	90	90	
November-----	89	89	89	89	89	
December-----	89-95	90	89-95	90	90	
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 14.--Stainless steel wire rod: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of rod to end-use customers, by months, January-December 1977

(In cents per pound)						
Year and month	Grade 304, .250" to .287" round					
	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
1977:						
January-----	81- 82	81	81- 83	82		83
February-----	79- 82	80	81- 82	81		82
March-----	80- 81	81	80- 81	81		82
April-----	81	81	81	81		81
May-----	81	81	81	81		81
June-----	81	81	81	81		81
July-----	76	76	84	84		80
August-----	83- 88	86	83- 88	86		86
September-----	81-104	82	81-104	82		82
October-----	79- 89	83	79- 95	83		83
November-----	81- 84	83	81- 84	83		83
December-----	81	81	81	81		81
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 15.--High speed tool steel bars: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of bars to end-use customers, by months, January-December 1977

(In cents per pound)						
Year and month	Lowest price		Prices at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
Grade M-7, 1" round x cold finished						
1977:						
January-----	194-246	209	194-246	216	<u>1/</u>	214
February-----	223-246	238	228-246	240		240
March-----	195-246	212	195-246	216		220
April-----	182-237	210	182-240	213		230
May-----	186-230	226	186-240	227		231
June-----	188-223	197	188-240	201		207
July-----	193-197	193	193-197	193		193
August-----	193-212	207	193-212	195		202
September-----	193-197	195	193-197	195		195
October-----	204-212	207	204-233	207		207
November-----	212-223	218	222-233	228		230
December-----	191-223	207	191-233	210		210
1978:						
January-----						
February-----						
March-----						
Grade M-2, 1" round x random lengths, cold finished						
1977:						
January-----	241-293	268	245-331	280		275
February-----	241-282	266	256-282	274		271
March-----	241-282	265	273-302	276		271
April-----	241-328	260	255-328	270		269
May-----	241-280	243	267-291	271		274
June-----	241-256	253	256-273	265		263
July-----	256-312	281	256-312	299		290
August-----	265-283	266	287-300	298		293
September-----	265-277	275	285-300	297		296
October-----	275-283	276	312-345	345		316
November-----	275-314	276	345-482	345		320
December-----	275-375	278	309-375	345		320
1978:						
January-----						
February-----						
March-----						

1/ Revised.

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

Table 16.--High-speed tool steel rod: Ranges and weighted averages of lowest net selling prices and price at which the largest volume was shipped, and weighted average price of total quantity shipped by U.S. producers of selected types of rod to end-use customers, by months, January- December 1977

(In cents per pound)						
Grade M-7, .250" round x HRA coil						
Year and month	Lowest price		Price at which largest volume was shipped		Weighted average price of total quantity shipped	
	Range	Weighted average	Range	Weighted average		
1977:						
January-----	190-292	214	190-292	214		214
February-----	292	292	292	292		292
March-----	213-292	230	213-292	230		258
April-----	193	193	193	193		193
May-----	213	213	213	213		213
June-----	193	193	193	193		193
July-----	182-240	225	223-240	225		226
August-----	204-225	215	204-225	215		220
September----	188-223	190	188-223	190		200
October-----	--	--	--	--		--
November-----	--	--	--	--		--
December-----	216	216	216	216		216
1978:						
January-----						
February-----						
March-----						

Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Note.--The number of domestic producers responding to the request for price data varied from month to month.

