

**BOLTS, NUTS, AND LARGE SCREWS
OF IRON OR STEEL:
U.S. PRODUCTION, SHIPMENTS,
IMPORTS, EXPORTS,
APPARENT CONSUMPTION,
EMPLOYMENT,
MAN-HOURS, AND
PRICES, THIRD
CALENDAR QUARTER
1980**

**Report to the President
on Investigation
No. 332-103 Under
Section 332 of the
Tariff Act of 1930**

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**Summary Highlights of the Sixth Quarterly Survey of U.S. Producers
of Bolts, Nuts, and Large Screws of Iron or Steel**

Production

U.S. production of bolts, nuts, and large screws during the third quarter of 1980 totaled 189 million pounds, which was 38 percent less than production during the third quarter of 1979, and 18 percent less than production during the second quarter of 1980.

U.S. producers' shipments

During the third quarter of 1980, U.S. producers' shipments of bolts, nuts, and large screws amounted to 186 million pounds, which was about 32 percent less than shipments in the third quarter of 1979 and 16 percent less than shipments during the second quarter of 1980.

U.S. imports

U.S. imports of bolts, nuts, and large screws totaled 193 million pounds in the third quarter of 1980, which was 18 percent less than imports in the third quarter of 1979 and 16 percent less than imports in the second quarter of 1980.

U.S. exports

The quantity of bolts, nuts, and large screws exported during the third quarter of 1980 amounted to 29 million pounds, which was 34 percent less than exports during the third quarter of 1979, but 2 percent larger than exports during the second quarter of 1980.

Apparent consumption

Apparent consumption of bolts, nuts, and large screws during the third quarter of 1980 totaled 320 million pounds, which was 25 percent less than apparent consumption in the third quarter of 1979, and 17 percent less than the quantities consumed during the second quarter of 1980. The ratio of imports to consumption decreased from 46 percent during the third quarter of 1979 to 44 percent during the second quarter of 1980 before increasing to 51 percent during the third quarter of 1980.

Employment and man-hours

The average number of production and related workers engaged in the production of bolts, nuts, and large screws decreased, from 13,953 workers during the third quarter of 1979 to 11,610 workers during the third quarter of 1980. The man-hours expended by these workers followed the same trend, decreasing from 7,686,000 man-hours during the third quarter of 1979 to 6,026,000 man-hours during the third quarter of 1980.

Prices

With the exception of prices received for cap screws, grade 8, 3/8"-16x1", the lowest net selling prices received for five representative fastener products by U.S. producers in the third quarter of 1980 averaged about 5 percent more than prices received during the third quarter of 1979 and about 8 percent more than prices received during the second quarter of 1980. The average lowest net selling prices received for the aforementioned cap screws during the third quarter of 1980 were 3 percent less than prices received during the third quarter of 1979, but about 2 percent greater than prices received during the second quarter of 1980.

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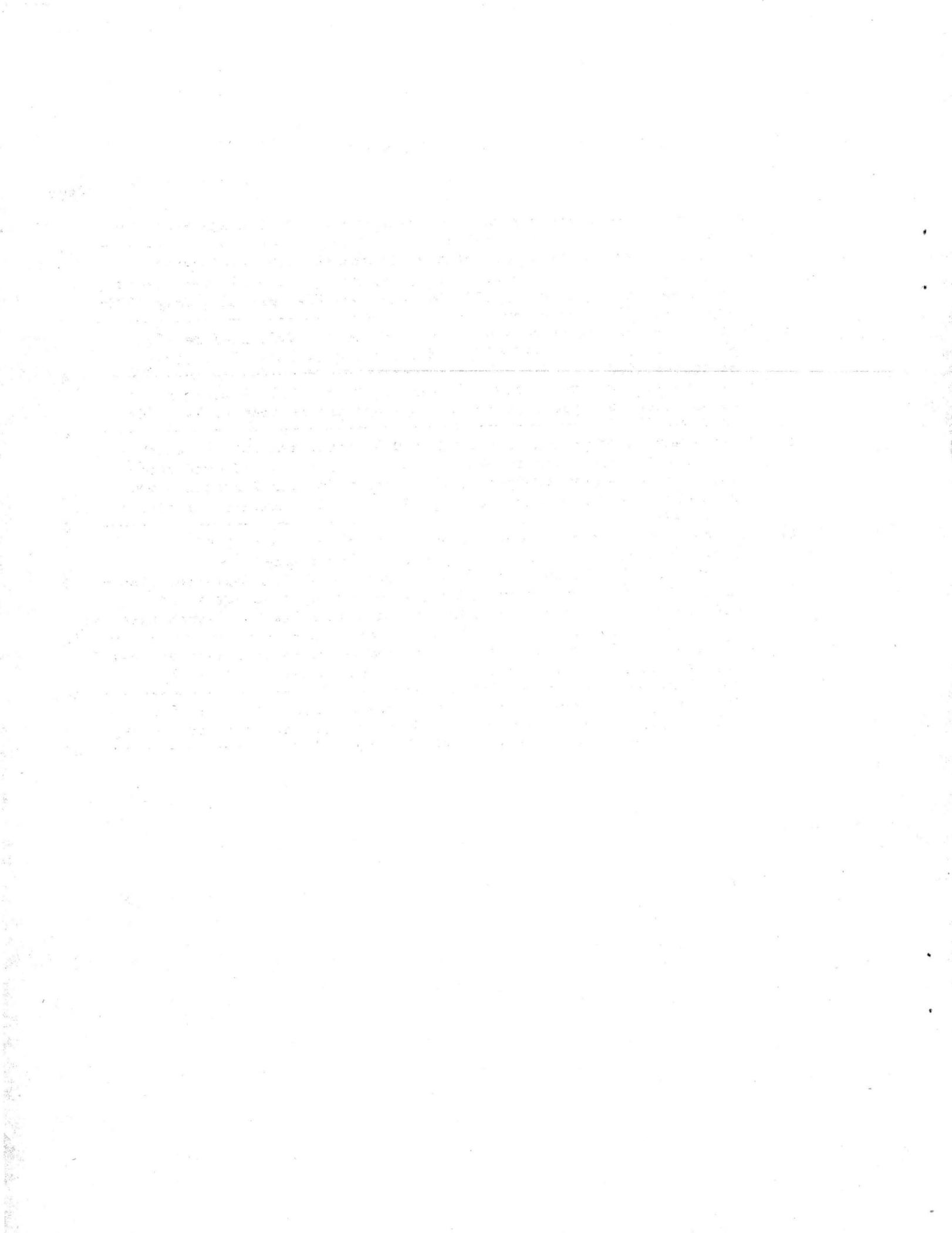


Table 1.--Bolts, nuts, and large screws of iron or steel: U.S. production by types, by months, July 1978-September 1980

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1978:			
July	52,048	12,198	64,246
August	75,474	21,264	96,738
September	78,718	17,898	96,616
Total	206,240	51,360	257,600
October	85,488	21,315	106,803
November	78,473	21,349	99,822
December	79,112	19,181	98,293
Total	243,073	61,845	304,918
1979:			
January	86,160	23,338	109,498
February	82,889	23,045	105,934
March	92,660	26,487	119,147
Total	261,709	72,870	334,579
April	88,018	23,769	111,787
May	91,225	25,791	117,016
June	91,981	25,641	117,622
Total	271,224	75,201	346,425
July	70,932	18,530	89,462
August	87,107	26,317	113,424
September	79,457	22,152	101,609
Total	237,496	66,999	304,495
October	84,894	26,086	110,980
November	71,784	21,813	93,597
December	52,110	15,771	67,881
Total	208,788	63,670	272,458
1980:			
January	73,497	20,139	93,636
February	72,084	21,022	93,106
March	73,185	23,363	96,548
Total	218,766	64,524	283,290
April	71,249	18,858	90,107
May	59,508	14,747	74,255
June	53,879	13,837	67,716
Total	184,636	47,442	232,078
July	41,664	9,144	50,808
August	47,897	12,232	60,129
September	62,472	15,942	78,414
Total	152,033	37,318	189,351

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

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1976-78, and specified periods, July 1978-September 1980

Period						Ratio (percent) of Apparent imports to--	
	Producers'	ship- ments	Imports 1/	Exports 2/	consump- tion	Apparent Shipments	Apparent consump- tion
Quantity (1,000 pounds)							
:							
1976-----:	1,133,952	:	704,474	:	197,269	:	1,641,157
1977-----:	1,175,563	:	716,916	:	218,265	:	1,674,214
1978-----:	1,151,326	:	849,313	:	217,051	:	1,783,588
1978:	:	:	:	:	:	74	48
July-----:	67,335	:	77,074	:	15,255	:	129,154
August-----:	93,943	:	72,349	:	21,301	:	144,991
September----:	94,237	:	65,380	:	14,528	:	145,089
Total-----:	255,515	:	214,803	:	51,084	:	419,234
October-----:	100,634	:	66,751	:	20,439	:	146,946
November-----:	92,699	:	67,107	:	17,723	:	142,083
December-----:	83,616	:	53,181	:	15,413	:	121,384
Total-----:	276,949	:	187,039	:	53,575	:	410,413
1979:	:	:	:	:	:	68	46
January-----:	107,364	:	65,181	:	16,192	:	156,353
February-----:	99,152	:	68,174	:	17,566	:	149,760
March-----:	115,276	:	70,611	:	19,122	:	166,765
Total-----:	321,792	:	203,966	:	52,880	:	472,878
April-----:	103,489	:	68,070	:	24,769	:	146,790
May-----:	107,568	:	68,862	:	19,074	:	157,356
June-----:	105,460	:	77,122	:	17,651	:	164,931
Total-----:	316,517	:	214,054	:	61,494	:	469,077
July-----:	84,630	:	69,596	:	12,938	:	141,288
August-----:	97,699	:	68,857	:	15,781	:	150,775
September----:	91,688	:	60,225	:	14,828	:	137,085
Total-----:	274,017	:	198,678	:	43,547	:	429,148
October-----:	99,680	:	55,543	:	15,844	:	139,379
November-----:	83,240	:	59,165	:	15,426	:	126,979
December-----:	66,181	:	61,577	:	9,982	:	117,776
Total-----:	249,101	:	176,285	:	41,252	:	384,134
1980:	:	:	:	:	:	71	46
January-----:	90,113	:	61,594	:	9,500	:	142,207
February-----:	84,916	:	62,925	:	9,123	:	138,718
March-----:	88,374	:	60,206	:	10,705	:	137,875
Total-----:	263,403	:	184,725	:	29,328	:	418,800
April-----:	83,215	:	66,278	:	10,660	:	138,833
May-----:	72,405	:	64,396	:	9,761	:	127,040
June-----:	66,054	:	62,500	:	7,835	:	120,719
Total-----:	221,674	:	193,174	:	28,256	:	386,592
July-----:	52,387	:	60,282	:	6,644	:	106,025
August-----:	62,037	:	46,633	:	10,460	:	98,210
September----:	71,617	:	55,675	:	11,794	:	115,498
Total-----:	186,041	:	162,590	:	28,898	:	319,733
:	:	:	:	:	:	:	:

See footnotes at end of table.

Table 2.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, imports for consumption, exports of domestic merchandise, and apparent consumption, 1976-78, and specified periods, July 1978-September 1980--Continued

Period						Ratio (percent) of
	Producers'	Imports	Exports	Apparent	imports to--	
	ship- ments	Imports	Exports	consump- tion	Apparent Shipments	
Value (1,000 dollars)						
1976-----:	986,432	227,390	107,055	1,106,767	23	21
1977-----:	1,074,609	256,220	114,252	1,216,577	24	21
1978-----:	1,095,332	368,865	133,112	1,331,085	34	28
1978:						
July-----:	59,224	31,841	8,258	82,807	54	39
August-----:	85,074	31,029	10,348	105,755	37	29
September----:	84,806	30,697	9,575	105,928	36	29
Total-----:	229,104	93,567	28,181	294,490	41	32
October-----:	92,098	32,110	12,623	111,585	35	29
November----:	84,565	31,840	10,875	105,530	38	30
December----:	78,146	49,324	10,635	116,835	63	42
Total-----:	254,809	113,274	34,133	333,950	44	40
1979:						
January-----:	100,701	31,158	10,382	121,477	31	26
February----:	94,958	32,554	11,041	116,471	34	28
March-----:	111,421	33,861	11,926	133,356	30	25
Total-----:	307,080	97,573	33,349	371,304	32	26
April-----:	103,817	32,298	10,899	125,216	31	26
May-----:	109,210	32,306	12,814	128,702	30	25
June-----:	113,228	36,042	12,455	136,815	32	26
Total-----:	326,255	100,646	36,168	390,733	31	26
July-----:	93,715	31,440	882	124,273	34	25
August-----:	109,835	31,948	10,209	131,574	29	24
September---:	107,083	28,712	10,412	125,383	27	23
Total-----:	310,633	92,100	21,503	381,230	30	24
October----:	111,677	26,876	11,876	126,677	24	21
November----:	93,767	28,474	10,717	111,524	30	26
December----:	79,577	29,287	9,094	99,770	37	29
Total-----:	285,021	84,637	31,687	337,971	30	25
1980:						
January-----:	108,588	29,841	11,400	127,029	27	23
February----:	101,606	29,038	11,896	118,748	29	24
March-----:	111,275	28,016	12,479	126,812	25	22
Total-----:	321,469	86,895	35,775	372,589	27	23
April-----:	101,310	30,103	10,949	120,464	30	25
May-----:	91,496	30,180	10,899	110,777	33	27
June-----:	93,760	29,877	10,800	112,837	32	26
Total-----:	286,566	90,160	32,648	344,078	31	26
July-----:	70,809	29,223	9,609	90,423	41	32
August-----:	84,725	23,512	11,280	96,957	28	24
September---:	98,984	28,677	11,599	116,062	29	25
Total-----:	254,518	81,412	32,488	303,442	32	27
	:	:	:	:	:	:

1/ Prior to Jan. 1, 1978, exports include bolts, threaded rods and studs, nuts if nuts and bolts are in the same shipment, screws, rivets, washers, and similar articles. It is estimated by the staff of the U.S. International Trade Commission that bolts, nuts, and large screws of iron or steel accounted for approximately 80 percent of total exports.

Source: U.S. producers' shipments, compiled from data submitted in response to questionnaires of the U.S. International Trade Commission; imports and exports, compiled from official statistics of the U.S. Department of Commerce, except as noted.

Table 3.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, 1976-78, and specified periods, July 1978-September 1980

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1976-----:	912,072 :	221,880 :	1,133,952
1977-----:	950,607 :	224,956 :	1,175,563
1978-----:	920,712 :	230,614 :	1,151,326
1978:	:	:	:
July-----:	54,134 :	13,201 :	67,335
August-----:	73,633 :	20,310 :	93,943
September-----:	73,789 :	20,448 :	94,237
Total-----:	201,556 :	53,959 :	255,515
October-----:	76,496 :	24,138 :	100,634
November-----:	73,258 :	19,441 :	92,699
December-----:	70,335 :	13,281 :	83,616
Total-----:	220,089 :	56,860 :	276,949
1979:	:	:	:
January-----:	84,191 :	23,173 :	107,364
February-----:	78,709 :	20,443 :	99,152
March-----:	90,703 :	24,573 :	115,276
Total-----:	253,603 :	68,189 :	321,792
April-----:	81,246 :	22,243 :	103,489
May-----:	83,986 :	23,582 :	107,568
June-----:	82,907 :	22,553 :	105,460
Total-----:	248,139 :	68,378 :	316,517
July-----:	69,758 :	14,872 :	84,630
August-----:	78,803 :	18,896 :	97,699
September-----:	74,826 :	16,862 :	91,688
Total-----:	223,387 :	50,630 :	274,017
October-----:	80,661 :	19,019 :	99,680
November-----:	68,456 :	14,784 :	83,240
December-----:	54,546 :	11,635 :	66,181
Total-----:	203,663 :	45,438 :	249,101
1980:	:	:	:
January-----:	72,839 :	17,274 :	90,113
February-----:	69,792 :	15,124 :	84,916
March-----:	72,948 :	15,426 :	88,374
Total-----:	215,579 :	47,824 :	263,403
April-----:	69,023 :	14,192 :	83,215
May-----:	60,744 :	11,661 :	72,405
June-----:	54,056 :	11,998 :	66,054
Total-----:	183,823 :	37,851 :	221,674
July-----:	44,315 :	8,072 :	52,387
August-----:	51,626 :	10,411 :	62,037
September-----:	58,942 :	12,675 :	71,617
Total-----:	154,883 :	31,158 :	186,041

Table 3.--Bolts, nuts, and large screws of iron or steel: U.S. producers' shipments, by types, 1976-78, and specified periods, July 1978-September 1980--Continued

Period	Bolts and large screws	Nuts	Total
Value (1,000 dollars)			
1976-----:	702,426 :	284,006 :	986,432
1977-----:	779,917 :	294,692 :	1,074,609
1978-----:	763,368 :	331,964 :	1,095,332
1978:	:	:	:
July-----:	42,099 :	17,125 :	59,224
August-----:	58,327 :	26,747 :	85,074
September-----:	57,831 :	26,975 :	84,806
Total-----:	158,257 :	70,847 :	229,104
October-----:	59,954 :	32,144 :	92,098
November-----:	58,323 :	26,242 :	84,565
December-----:	53,644 :	24,502 :	78,146
Total-----:	171,921 :	82,888 :	254,809
1979:	:	:	:
January-----:	69,450 :	31,251 :	100,701
February-----:	65,944 :	29,014 :	94,958
March-----:	77,715 :	33,706 :	111,421
Total-----:	213,109 :	93,971 :	307,080
April-----:	72,713 :	31,104 :	103,817
May-----:	75,811 :	33,399 :	109,210
June-----:	80,401 :	32,827 :	113,228
Total-----:	228,925 :	97,330 :	326,255
July-----:	68,049 :	25,666 :	93,715
August-----:	78,333 :	31,502 :	109,835
September-----:	76,869 :	30,214 :	107,083
Total-----:	223,251 :	87,382 :	310,633
October-----:	78,119 :	33,558 :	111,677
November-----:	65,673 :	28,094 :	93,767
December-----:	56,183 :	23,394 :	79,577
Total-----:	199,975 :	85,046 :	285,021
1980:	:	:	:
January-----:	77,214 :	31,374 :	108,588
February-----:	72,302 :	29,304 :	101,606
March-----:	80,273 :	31,002 :	111,275
Total-----:	229,789 :	91,680 :	321,469
April-----:	74,550 :	26,760 :	101,310
May-----:	68,342 :	23,154 :	91,496
June-----:	68,634 :	25,126 :	93,760
Total-----:	211,526 :	75,040 :	286,566
July-----:	53,371 :	17,438 :	70,809
August-----:	63,029 :	21,696 :	84,725
September-----:	72,291 :	26,693 :	98,984
Total-----:	188,691 :	65,827 :	254,518
:	:	:	:
:	:	:	:

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

Table 4.--Bolts, nuts, and large screws of iron or steel: U.S. imports for consumption, by types, 1976-78, and specified periods, July 1978-September 1980

Period	Bolts and large screws	Nuts	Total
Quantity (1,000 pounds)			
1976-----:	474,084 :	230,390 :	704,474
1977-----:	491,140 :	225,776 :	716,916
1978-----:	571,324 :	277,989 :	849,313
1978:	:	:	:
July-----:	51,026 :	26,048 :	77,074
August-----:	45,303 :	27,046 :	72,349
September-----:	37,430 :	27,950 :	65,380
Total-----:	133,759 :	81,044 :	214,803
October-----:	38,995 :	27,756 :	66,751
November-----:	41,211 :	25,896 :	67,107
December-----:	23,825 :	29,356 :	53,181
Total-----:	104,031 :	83,008 :	187,039
1979:	:	:	:
January-----:	37,790 :	27,391 :	65,181
February-----:	41,955 :	26,219 :	68,174
March-----:	49,988 :	25,623 :	70,611
Total-----:	124,733 :	79,233 :	203,966
April-----:	46,169 :	21,901 :	68,070
May-----:	45,499 :	23,363 :	68,862
June-----:	51,528 :	25,594 :	77,122
Total-----:	143,196 :	70,858 :	214,054
July-----:	47,722 :	21,874 :	69,596
August-----:	44,522 :	24,335 :	68,857
September-----:	39,263 :	20,962 :	60,225
Total-----:	131,507 :	67,171 :	198,678
October-----:	37,727 :	17,816 :	55,543
November-----:	39,973 :	19,192 :	59,165
December-----:	40,758 :	20,819 :	61,577
Total-----:	118,458 :	57,827 :	176,285
1980:	:	:	:
January-----:	41,519 :	20,075 :	61,594
February-----:	44,519 :	18,406 :	62,925
March-----:	42,431 :	17,775 :	60,206
Total-----:	128,469 :	56,256 :	184,725
April-----:	45,255 :	21,023 :	66,278
May-----:	44,896 :	19,500 :	64,396
June-----:	41,170 :	21,330 :	62,500
Total-----:	131,321 :	61,264 :	193,174
July-----:	41,018 :	19,264 :	60,282
August-----:	30,189 :	16,444 :	46,633
September-----:	37,758 :	17,917 :	55,675
Total-----:	108,965 :	53,625 :	162,590

Table 4.--Bolts, nuts, and large screws of iron or steel: U.S. imports for consumption, by types, 1976-78, and specified periods, July 1978-September 1980--Continued

Period	Bolts and large screws	Nuts	Total
	Value (1,000 dollars)		
1976-----:	129,297	98,093	227,390
1977-----:	156,006	100,214	256,220
1978-----:	210,917	157,948	368,865
1978:			
July-----:	18,611	13,230	31,841
August-----:	17,151	13,878	31,029
September-----:	16,648	14,049	30,697
Total-----:	52,410	41,157	93,567
October-----:	16,573	15,537	32,110
November-----:	17,374	14,466	31,840
December-----:	32,629	16,695	49,324
Total-----:	66,576	46,698	113,274
1979:			
January-----:	15,579	15,579	31,158
February-----:	18,294	14,260	32,554
March-----:	18,714	15,147	33,861
Total-----:	52,587	44,986	47,573
April-----:	19,253	13,045	32,298
May-----:	19,024	13,282	32,306
June-----:	21,378	14,664	36,042
Total-----:	59,655	40,991	100,646
July-----:	18,916	12,524	31,440
August-----:	18,343	13,605	31,948
September-----:	16,683	12,029	28,712
Total-----:	53,942	38,158	92,100
October-----:	16,434	10,442	26,876
November-----:	17,243	11,231	28,474
December-----:	17,529	11,758	29,287
Total-----:	51,206	33,431	84,637
1980:			
January-----:	18,110	11,731	29,841
February-----:	18,326	10,712	29,038
March-----:	18,037	9,979	28,016
Total-----:	54,473	32,422	86,895
April-----:	18,891	11,212	30,103
May-----:	19,217	10,963	30,180
June-----:	18,089	11,788	29,877
Total-----:	56,197	33,963	90,160
July-----:	17,634	11,589	29,223
August-----:	13,789	9,723	23,512
September-----:	17,496	11,181	28,677
Total-----:	48,919	32,493	81,412

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

Table 5.--Average number of persons employed in U.S. establishments in which bolts, nuts, and large screws were produced, total and production and related workers engaged in the production of all products and of bolts, nuts, and large screws, 1976-78, and specified periods, July 1978-September 1980

Period	Production and related workers engaged in the production of--				
	All persons:		Bolts	Nuts	Total, bolts, nuts, and large screws
	All products	and large screws			
1976-----:	34,339	27,080	10,032	3,435	13,467
1977-----:	35,172	27,642	10,040	3,410	13,450
1978-----:	35,920	27,738	9,982	3,334	13,316
1978:					
July-----:	35,072	26,536	9,391	3,142	12,533
August----:	35,167	26,616	9,678	3,262	12,940
September--:	35,274	26,755	9,323	3,310	12,633
Average-----:	35,171	26,636	9,464	3,238	12,702
October----:	35,822	27,614	9,773	3,312	13,085
November---:	35,878	27,246	9,863	3,380	13,243
December---:	36,131	27,491	9,895	3,412	13,307
Average-----:	35,944	27,450	9,844	3,368	13,212
1979:					
January----:	36,438	27,667	10,063	3,489	13,552
February---:	37,069	28,203	10,266	3,514	13,780
March-----:	37,125	23,376	10,359	3,585	13,944
Average-----:	36,877	26,415	10,229	3,529	13,759
April-----:	36,746	28,067	10,626	3,643	14,269
May-----:	36,678	27,948	10,633	3,648	14,281
June-----:	36,977	28,163	10,716	3,706	14,422
Average-----:	36,800	28,059	10,658	3,666	14,324
July-----:	36,396	28,022	10,686	3,423	14,109
August----:	35,811	27,476	10,387	3,599	13,986
September--:	35,259	27,123	10,213	3,550	13,763
Average-----:	35,822	27,540	10,429	3,524	13,953
October---:	34,934	25,804	10,086	3,783	13,869
November---:	34,507	25,635	10,085	3,767	13,852
December---:	33,755	24,998	9,963	3,411	13,374
Average-----:	34,399	25,479	10,044	3,654	13,698
1980:					
January----:	33,816	24,688	9,984	3,675	13,659
February---:	33,682	24,678	9,944	3,707	13,651
March-----:	33,094	24,163	9,815	3,588	13,403
Average-----:	33,531	24,510	9,914	3,657	13,571
April-----:	36,210	30,166	10,254	3,303	13,557
May-----:	34,701	25,622	9,594	3,246	12,840
June-----:	33,242	24,254	9,012	2,996	12,008
Average-----:	34,718	26,681	9,620	3,182	12,802
July-----:	34,294	25,474	8,573	2,747	11,320
August----:	35,878	27,130	8,762	2,816	11,578
September--:	37,296	28,728	8,984	2,949	11,933
Average-----:	35,823	27,111	8,773	2,837	11,610

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

Table 6.--Man-hours expended by production and related workers in U.S. establishments in which bolts, nuts, and large screws were produced, 1976-78, and specified periods, July 1978-September 1980

(In 1,000 man-hours)					
Period	All products	Bolts and large screws	Nuts	Total, bolts, nuts, and large screws	
1976-----:	55,073	20,643	6,771	27,414	
1977-----:	56,213	20,715	6,795	27,510	
1978-----:	56,449	21,905	7,126	29,031	
1978:					
July-----:	3,984	1,582	485	2,067	
August-----:	4,646	1,821	605	2,426	
September-----:	4,667	1,914	637	2,551	
Total-----:	13,297	5,317	1,727	7,044	
October-----:	4,928	1,989	617	2,606	
November-----:	4,848	1,954	635	2,589	
December-----:	4,902	1,925	630	2,555	
Total-----:	14,678	5,868	1,882	7,750	
1979:					
January-----:	5,061	2,018	691	2,709	
February-----:	4,848	1,978	672	2,650	
March-----:	4,605	2,222	757	2,979	
Total-----:	14,514	6,218	2,120	8,338	
April-----:	5,067	1,974	647	2,621	
May-----:	5,135	1,971	666	2,637	
June-----:	5,411	2,088	791	2,879	
Total-----:	15,613	6,033	2,104	8,137	
July-----:	5,014	1,888	564	2,452	
August-----:	5,074	1,926	700	2,626	
September-----:	4,806	1,890	718	2,608	
Total-----:	14,894	5,704	1,982	7,686	
October-----:	4,974	2,110	767	2,877	
November-----:	4,550	1,910	747	2,657	
December-----:	4,171	1,807	682	2,489	
Total-----:	13,695	5,827	2,196	8,023	
1980:					
January-----:	4,576	1,807	691	2,498	
February-----:	4,338	1,791	703	2,494	
March-----:	4,653	1,962	764	2,726	
Total-----:	13,567	5,560	2,158	7,718	
April-----:	4,436	1,852	597	2,449	
May-----:	4,249	1,727	532	2,259	
June-----:	4,077	1,621	583	2,204	
Total-----:	12,762	5,200	1,712	6,912	
July-----:	3,960	1,418	421	1,839	
August-----:	4,431	1,448	466	1,914	
September-----:	4,841	1,695	558	2,273	
Total-----:	13,232	4,561	1,445	6,026	

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

Table 7.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, January 1976-September 1980

(Per 1,000 pieces)

Period	Domestic price			
	Cap screws, grade 2, 3/8" - 16 x 1"		Cap screws, grade 8, 3/8" - 16 x 1"	
	Range	Average	Range	Average
1976:	:	:	:	:
January-March-----	15.90- 30.00	21.74	21.28- 44.80	31.07
April-June-----	15.90- 27.00	21.75	21.28- 44.68	30.61
July-September-----	15.87- 27.30	22.05	21.28- 40.32	29.24
October-December-----	15.90- 27.30	21.88	21.28- 43.80	30.91
1977:	:	:	:	:
January-March-----	15.90- 27.30	21.64	21.28- 44.63	30.51
April-June-----	15.90- 31.57	20.53	21.28- 37.45	29.78
July-September-----	15.90- 22.86	19.88	22.34- 34.20	29.74
October-December-----	15.90- 24.00	19.85	22.34- 36.76	30.35
1978:	:	:	:	:
January-March-----	15.90- 24.00	21.92	28.45- 40.32	32.96
April-June-----	15.90- 25.02	21.38	30.15- 43.74	34.07
1978:	:	:	:	:
July-----	17.58- 58.21	23.66	31.36- 42.50	35.96
August-----	17.58- 38.21	23.36	31.36- 42.51	35.96
September-----	17.58- 38.21	23.73	31.36- 42.51	37.68
October-----	17.58- 38.21	24.54	31.36- 42.51	37.14
November-----	17.58- 38.21	24.69	31.36- 42.82	38.09
December-----	17.58- 38.21	24.69	31.36- 42.87	37.96
1979:	:	:	:	:
January-----	19.43- 38.76	25.68	31.36- 42.25	38.53
February-----	19.43- 38.76	25.86	31.36- 43.27	38.70
March-----	19.43- 38.76	26.12	31.36- 43.27	38.70
April-----	22.24- 41.09	27.14	27.73- 55.39	40.29
May-----	22.24- 41.09	27.06	27.73- 55.39	41.04
June-----	22.24- 41.09	27.29	27.73- 67.50	41.68
July-----	22.24- 41.09	27.65	29.60- 55.39	41.98
August-----	22.24- 41.09	27.67	29.60- 57.12	41.09
September-----	22.24- 41.09	27.72	29.60- 57.12	41.35
October-----	22.24- 41.09	28.16	30.80- 45.41	39.36
November-----	22.24- 41.09	28.19	30.80- 46.80	40.88
December-----	22.24- 41.09	28.55	30.80- 46.74	40.87
1980:	:	:	:	:
January-----	22.24- 41.09	27.35	28.10- 45.41	37.48
February-----	22.24- 41.09	27.58	28.10- 45.41	36.71
March-----	22.24- 41.09	27.40	28.10- 45.41	37.10
April-----	20.35- 41.09	27.88	28.10- 46.90	39.96
May-----	20.35- 41.09	27.85	28.10- 46.90	39.64
June-----	20.35- 41.09	27.95	28.10- 46.90	38.98
July-----	22.35- 49.44	30.84	28.10- 53.76	40.17
August-----	22.35- 49.44	30.80	28.10- 53.76	40.17
September-----	22.35- 49.44	30.79	28.10- 53.76	40.17

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

Table 8.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers to distributors, by specified periods, January 1976-September 1980

		(Per 1,000 pieces)			
		Domestic price			
Period		Hexagon nuts, 1/4" - 20		Hexagon nuts, 1/2" - 13	
		Range	Average	Range	Average
1976:		:	:	:	:
	January-March-----:	2.69-	8.81 :	5.66 :	17.60- 33.42 :
	April-June-----:	2.69-	8.80 :	5.66 :	17.60- 33.02 :
	July-September-----:	2.63-	9.78 :	5.85 :	17.60- 36.93 :
	October-December-----:	2.63-	9.83 :	5.85 :	17.60- 28.40 :
1977:		:	:	:	:
	January-March-----:	2.59-	8.82 :	5.72 :	17.60- 32.88 :
	April-June-----:	2.59-	8.70 :	5.64 :	17.60- 32.98 :
	July-September-----:	3.06-	8.59 :	6.33 :	18.48- 29.68 :
	October-December-----:	3.40-	8.76 :	6.45 :	18.48- 31.67 :
1978:		:	:	:	:
	January-March-----:	3.75-	9.00 :	6.50 :	18.48- 34.02 :
	April-June-----:	4.00-	9.90 :	6.58 :	18.48- 37.26 :
1978:		:	:	:	:
	July-----:	4.03-	11.31 :	7.66 :	19.44- 37.80 :
	August-----:	4.03-	9.90 :	7.31 :	19.44- 37.80 :
	September-----:	4.03-	9.90 :	7.49 :	19.44- 37.80 :
	October-----:	4.03-	9.90 :	7.51 :	19.44- 37.80 :
	November-----:	4.03-	12.27 :	7.84 :	19.44- 37.26 :
	December-----:	4.03-	9.90 :	7.55 :	19.44- 37.26 :
1979:		:	:	:	:
	January-----:	4.20-	9.90 :	7.62 :	21.97- 37.26 :
	February-----:	4.20-	10.98 :	7.93 :	21.97- 41.04 :
	March-----:	4.20-	6.98 :	7.91 :	21.97- 41.04 :
	April-----:	4.21-	10.98 :	8.48 :	24.90- 41.04 :
	May-----:	4.25-	10.98 :	8.44 :	24.90- 41.04 :
	June-----:	4.27-	10.98 :	8.26 :	24.90- 41.04 :
	July-----:	7.52-	10.98 :	9.05 :	24.90- 41.04 :
	August-----:	7.52-	10.98 :	9.28 :	24.90- 41.04 :
	September-----:	7.52-	10.98 :	9.24 :	24.90- 41.04 :
	October-----:	4.30-	10.98 :	8.69 :	24.90- 41.04 :
	November-----:	4.30-	10.98 :	8.43 :	26.40- 41.04 :
	December-----:	4.31-	10.98 :	8.80 :	26.40- 41.04 :
1980:		:	:	:	:
	January-----:	4.30-	10.98 :	8.76 :	26.40- 41.04 :
	February-----:	4.30-	10.98 :	8.43 :	26.40- 41.00 :
	March-----:	4.30-	10.98 :	8.76 :	26.40- 41.00 :
	April-----:	3.90-	13.70 :	8.65 :	19.60- 41.00 :
	May-----:	3.90-	13.70 :	8.91 :	19.60- 41.00 :
	June-----:	3.90-	13.70 :	8.88 :	19.60- 41.00 :
	July-----:	4.33-	13.70 :	9.54 :	26.40- 41.04 :
	August-----:	4.33-	13.70 :	9.50 :	26.40- 41.04 :
	September-----:	4.33-	13.70 :	9.81 :	26.40- 41.04 :
		:	:	:	:

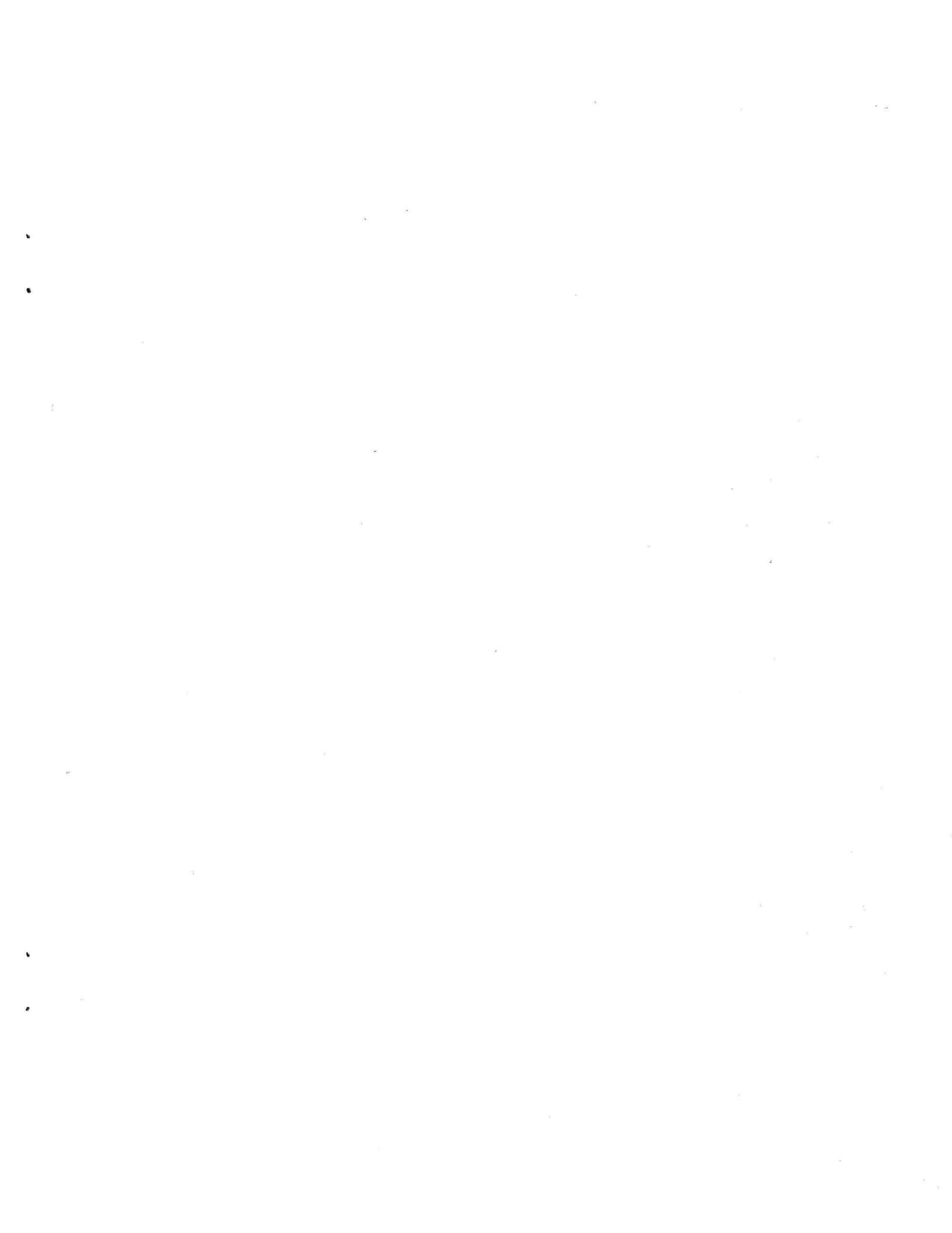
Source: Compiled from data submitted in response to questionnaires of the U.S. International Trade Commission.

Table 9.--Bolts, nuts, and large screws: Ranges and averages of lowest net selling prices received by U.S. producers on sales to distributors, by specified periods, January 1976-September 1980

(Per 1,000 pieces)

Period	Domestic price			
	Structural bolts, A325 with nut, 3/4" x 2"		Carriage bolts, 3/8" x 3"	
	Range	Average	Range	Average
1976:	:	:	:	:
January-March-----	189.43- 352.90	289.66	33.40- 74.40	49.46
April-June-----	194.95- 357.00	308.26	33.40- 66.96	48.78
July-September-----	199.30- 357.00	293.23	33.40- 66.96	50.55
October-December-----	162.55- 339.20	272.34	33.40- 66.96	50.70
1977:	:	:	:	:
January-March-----	215.00- 339.20	281.75	33.40- 55.80	47.78
April-June-----	215.00- 339.20	282.92	33.40- 65.10	45.99
July-September-----	215.00- 321.31	283.11	33.40- 55.80	43.57
October-December-----	215.00- 321.30	278.76	33.40- 59.52	44.53
1978:	:	:	:	:
January-March-----	216.41- 343.80	299.46	33.40- 59.52	44.68
April-June-----	246.89- 343.80	314.20	37.40- 59.52	45.90
1978:	:	:	:	:
July-----	249.35- 343.80	314.61	37.40- 44.70	58.94
August-----	149.35- 343.80	316.42	42.72-144.70	58.98
September-----	249.35- 343.80	313.63	37.40-144.70	59.24
October-----	249.35- 343.80	317.18	37.40-149.14	59.86
November-----	249.35- 343.80	324.17	37.40-149.14	62.11
December-----	249.35- 343.80	319.99	37.40-149.14	60.80
1979:	:	:	:	:
January-----	249.35- 343.80	318.63	48.06-149.14	66.11
February-----	249.35- 388.50	330.08	48.06-149.14	66.49
March-----	249.35- 388.50	328.90	49.46-149.14	67.29
April-----	266.72- 388.50	345.94	45.64-149.96	68.89
May-----	266.72- 420.00	351.68	49.87-149.96	69.49
June-----	266.72- 420.00	346.57	49.98-149.96	69.89
July-----	101.55- 388.50	345.17	50.20-149.96	73.21
August-----	106.65- 388.50	351.29	48.98-149.96	69.75
September-----	106.65- 388.50	343.90	50.20-149.96	70.07
October-----	106.65- 388.50	311.29	48.99-149.96	72.47
November-----	106.65- 388.50	311.98	50.20-149.96	73.07
December-----	106.65- 390.42	313.91	50.20-149.96	74.24
1980:	:	:	:	:
January-----	106.65- 388.50	307.54	50.20-156.65	72.22
February-----	106.65- 388.50	310.61	50.20-156.65	75.20
March-----	106.65- 393.66	312.67	48.63-156.65	71.40
April-----	266.72- 388.50	351.05	50.20-156.67	72.20
May-----	266.72- 388.50	351.05	48.65-156.65	71.40
June-----	266.72- 388.50	348.40	50.20-156.65	72.19
July-----	302.10- 388.50	350.21	50.20-156.65	81.69
August-----	302.10- 388.50	346.77	50.20-156.65	78.27
September-----	302.10- 388.50	348.13	50.20-156.65	77.92
	:	:	:	:

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



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