



MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN FEBRUARY 1972

Preliminary figures based on 70 percent of reporting consumers, indicate February consumption of iron and steel scrap was about the same as in January, according to the Bureau of Mines, U.S. Department of the Interior. During the same period, production was up 7 percent and net receipts down 2 percent. Stocks remained essentially unchanged. Total consumption for the year through February was down 6 percent from that of the comparable period in 1971.

Exports in February were 56 percent above those in January and 13 percent above those of February 1971. However, total iron and steel scrap exports for the year through February were 22 percent below 1971 exports for the comparable period. Largest importer of U.S. scrap was Japan which took 37 percent of total U.S. exports. Next largest exports were to Italy and Canada which received 22 percent and 14 percent, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of February was \$35.83, down \$3.67 from the February 1971 price of \$39.50. The end of February No. 2 bundle price of \$24.83 was \$1.17 below its \$26.00 price 1 year earlier.

Preliminary February figures indicate pig iron production during the month was up 2 percent from that in February. There was little change in pig iron consumption. Stocks remained essentially unchanged from those at the end of January.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer (Short tons)

	FINAL JANUARY 1972 FIGURES				Total year through January 1972 <u>3/</u>	Preliminary total for month of February 1972 <u>4/</u>
	Mfgs. of steel ingots and castings <u>1/</u>	Mfgs. of steel castings <u>2/</u>	Iron foundries and miscellaneous users	Total for month of January 1972		
SCRAP:						
Receipts-----	2,286,662	129,149	857,802	3,273,613	3,273,613	3,527,000
Production-----	3,261,982	63,167	469,483	3,794,632	3,794,632	4,067,000
Consumption by grades:						
Carbon steel-						
Low phosphorus plate and punchings-----	38,631	51,705	74,197	164,533	164,533	166,000
Cut structural and plate-----	16,729	15,096	74,800	106,625	106,625	111,000
No. 1 heavy melting steel-----	1,976,480	18,442	30,915	2,025,837	2,025,837	2,053,000
No. 2 heavy melting steel-----	268,371	--	24,218	292,589	292,589	300,000
No. 1 and electric furnace bundles-----	520,167	7,624	19,630	547,421	547,421	505,000
No. 2 and all other bundles-----	228,482	1,056	47,227	276,765	276,765	286,000
Turnings and borings-----	129,386	3,597	47,960	180,943	180,943	174,000
Slag scrap (Fe content)-----	201,350	358	1,684	203,392	203,392	196,000
Shredded or fragmented <u>5/</u> -----	131,197	4,173	39,878	175,248	175,248	186,000
All other carbon steel scrap-----	1,116,635	66,721	167,186	1,350,542	1,350,542	1,355,000
Stainless steel-----	72,238	1,939	1,324	75,501	75,501	72,000
Alloy steel (except stainless)-----	187,378	6,696	11,635	205,709	205,709	214,000
Cast iron (include borings)-----	433,508	19,345	762,459	1,215,312	1,215,312	1,219,000
Other grades of scrap-----	73,751	7,092	49,120	129,963	129,963	136,000
Consumption Total-----	5,394,303	203,844	1,352,233	6,950,380	6,950,380	6,973,000
Shipments-----	327,286	2,899	17,288	347,473	347,473	660,000
Stocks end of month-----	7,204,711	269,652	776,987	8,251,350	8,251,350	8,212,000
PIG IRON:						
Receipts-----	332,661	4,723	200,919	538,303	538,303	570,000
Production-----	6,545,990	--	--	6,545,990	6,545,990	6,690,000
Consumption-----	6,362,990	4,476	216,465	6,583,931	6,583,931	6,594,000
Shipments-----	509,668	53	594	510,315	510,315	672,000
Stocks end of month-----	1,509,441	9,425	264,508	1,783,374	1,783,374	1,777,000

1/ Includes only those manufacturers of steel castings that also produce ingots.

2/ Excludes companies that produce both steel ingots and castings.

3/ Year to date totals may not agree with a summation of prior monthly total due to revisions after publication of monthly data.

4/ Estimate based on 70 percent return of consumers reports - cut off date March 24, 1972.

5/ Does not include shredded scrap that consumers may have reported under different grade classification.

TABLE 2. - Manufacturers of steel ingots and castings 1/ - receipts, production, consumption and shipments of iron and steel scrap, by grades, January 1972 (Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	28,178	651	38,631	134	50,850
Cut structural and plate-----	14,965	--	16,729	84	53,393
No. 1 heavy melting steel-----	619,133	1,450,713	1,976,480	142,052	2,760,241
No. 2 heavy melting steel-----	206,812	78,740	268,371	4,298	414,565
No. 1 and electric furnace bundles-----	393,297	58,647	520,167	6,064	688,115
No. 2 and all other bundles-----	187,303	40,050	228,482	7,939	321,464
Turnings and borings-----	89,910	27,958	129,386	4,433	168,220
Slag scrap (Fe content)-----	78,249	111,103	201,350	3,734	85,568
Shredded or fragmented-----	129,805	--	131,197	--	79,863
All other carbon steel scrap-----	274,288	948,477	1,116,635	71,596	1,227,384
Stainless steel-----	36,118	37,418	72,238	2,434	87,054
Alloy steel (except stainless)-----	26,043	157,117	187,378	5,943	302,862
Cast iron (includes borings)-----	173,416	307,483	433,508	75,358	941,191
Other grades of scrap-----	29,145	43,625	73,751	3,217	23,941
Total scrap-----	2,286,662	3,261,982	5,394,303	327,286	7,204,711
PIG IRON-----	332,661	6,545,990	6,362,990	509,668	1,509,441

1/ Includes only those manufacturers of steel castings that also produce ingots.

TABLE 3. - Manufacturers of steel castings 1/ - receipts, production, consumption
and shipments of iron and steel scrap,
by grades, January 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	35,189	11,922	51,705	1,173	58,822
Cut structural and plate-----	16,348	795	15,096	--	13,203
No. 1 heavy melting steel-----	10,134	7,881	18,442	--	25,587
No. 2 heavy melting steel-----	62	--	--	--	64
No. 1 and electric furnace bundles-----	6,567	--	7,624	--	11,680
No. 2 and all other bundles-----	917	--	1,056	--	841
Turnings and borings-----	2,371	584	3,597	266	6,512
Slag scrap (Fe content)-----	39	300	358	--	19
Shredded or fragmented-----	2,853	--	4,173	--	3,749
All other carbon steel scrap-----	39,627	24,266	66,721	175	63,512
Stainless steel-----	706	939	1,939	79	6,182
Alloy steel (except stainless)-----	3,164	4,771	6,696	992	24,908
Cast iron (includes borings)-----	8,518	7,789	19,345	12	42,783
Other grades of scrap-----	2,654	3,920	7,092	202	11,790
Total scrap-----	129,149	63,167	203,844	2,899	269,652
PIG IRON-----	4,723	--	4,476	53	9,425

1/ Excludes companies that produce both steel ingots and castings.

TABLE 4. - Iron foundries and miscellaneous users - receipts, production consumption and shipments of iron and steel scrap, by grades, January 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	66,732	4,616	74,197	760	37,133
Cut structural and plate-----	66,495	6,657	74,800	416	60,995
No. 1 heavy melting steel-----	24,081	5,666	30,915	2,759	20,058
No. 2 heavy melting steel-----	23,722	1,159	24,218	351	10,990
No. 1 and electric furnace bundles-----	16,664	17	19,630	--	9,553
No. 2 and all other bundles-----	39,783	--	47,227	--	40,707
Turnings and borings-----	46,840	2,489	47,960	2,185	53,935
Slag scrap (Fe content)-----	920	759	1,684	46	393
Shredded or fragmentized-----	44,555	--	39,878	--	30,438
All other carbon steel scrap-----	157,024	10,196	167,186	1,875	134,489
Stainless steel-----	219	8	1,324	4	3,224
Alloy steel (except stainless)-----	6,165	786	11,635	17	22,054
Cast iron (includes borings)-----	334,639	419,567	762,459	7,928	331,482
Other grades of scrap-----	29,963	17,563	49,120	947	21,536
Total scrap-----	857,802	469,483	1,352,233	17,288	776,987
PIG IRON-----	200,919	--	216,465	594	264,508

FOREIGN TRADE

Exports of iron and steel scrap totaled 508,812 short tons in February compared with 325,991 tons in January. Exports of pig iron during February totaled 1,563 tons and 904 tons in January. Imports of scrap totaled 28,649 short tons in February compared with 26,206 tons in January. Of the scrap imported during February, 26,147 short tons came from Canada and 2,502 tons from other sources. Imports of pig iron totaled 52,804 short tons in February and 5,151 tons in January. In addition to the foregoing imports of pig iron during February, there were 1,106 tons of sponge iron, valued at \$162,184 imported, of which 1,091 tons came from Canada, 15 tons from other countries.

TABLE 5. - U.S. exports of iron and steel scrap,^{1/} by countries

Country	February 1972		Year to date	
	Short tons	Value	Short tons	Value
Belgium-----	72	\$ 26,101	114	42,941
Canada-----	72,888	2,195,860	156,117	5,042,209
Hong Kong-----	40	15,063	63	28,461
Italy-----	111,342	3,302,019	125,277	3,770,677
Japan-----	190,735	4,630,682	286,288	6,939,408
Mexico-----	37,296	1,394,150	77,661	2,835,938
Philippines-----	30	974	13,721	286,948
Taiwan-----	238	18,995	22,063	655,879
Thailand-----	--	--	8,956	253,792
United Kingdom-----	19	4,591	633	29,520
Venezuela-----	3,041	139,838	12,107	441,280
Other Countries-----	93,111	2,757,600	131,803	4,082,676
Total-----	508,812	14,485,873	834,803	24,409,729

^{1/} Excludes ships, boats, and other vessels for breaking up (for scrapping) which was included in 1965-1970 figures.

TABLE 6. - U.S. exports of iron and steel scrap, by grades

Grades of scrap	February 1972		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	132,985	\$4,196,322	219,740	\$6,964,030
No. 2 heavy melting steel scrap-----	39,947	1,072,954	76,667	2,017,029
No. 1 bundles-----	13,262	383,835	22,404	652,499
No. 2 bundles-----	122,369	2,264,816	172,770	3,201,599
Borings, shovelings and turnings-----	25,809	417,485	52,872	904,215
Stainless steel-----	2,338	654,462	5,835	1,630,192
Shredded steel scrap-----	128,253	3,926,575	190,290	5,964,123
Iron scrap (excluding borings and shovelings)	14,214	526,667	48,641	1,444,267
All other steel scrap ^{1/--}	29,635	1,042,757	45,584	1,631,775
Total-----	508,812	14,485,873	834,803	24,409,729
Ships, boats, and other vessels for breaking up (for scrapping)-----	24,850	404,183	45,577	741,822
Total-----	533,662	14,890,056	880,380	25,151,551

^{1/} Includes tin plate and terne plate.