



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 JUNE 1972

Preliminary figures based on 71 percent of reporting consumers, indicate June consumption of iron and steel scrap was down 5 percent compared to May, according to the Bureau of Mines, U.S. Department of the Interior. During the same period, production was down 3 percent and net receipts down 6 percent. Stocks remained essentially unchanged. Total consumption for the year through May was down 5 percent from that of the comparable period in 1971.

Exports in June were 6 percent above those of May and 17 percent above those of June 1971. Total iron and steel scrap exports for the year through June were 4 percent below 1971 exports for the comparable period. Largest importer of U.S. scrap was Japan which took 23 percent of total U.S. exports. Next largest exports were to Italy and Canada which received 16 percent and 13 percent, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of June was \$35.50, up \$3.33 from the June 1971 price of \$32.17. The end of June No. 2 bundle price of \$25.17 was \$2.00 above its \$23.17 price 1 year earlier.

Preliminary June figures indicate that both pig iron production and consumption during the month were down 4 percent from those of May. There was little change in stocks during the same period.

A meeting of the Department of Commerce Industry Advisory Committee on iron and steel scrap problems was held in Washington on July 28. The membership of the Committee consists of approximately 25 members, drawn from six involved industries - iron and steel scrap processing, nonferrous scrap processing, automobile and truck wrecking, basic iron and steel production, ferrous foundry, and automobile manufacturing. The members generally agreed that resolving problems in iron and steel scrap will require increasing demand for scrap. Suggested ways to increase demand included combinations of legislation, subsidies, research and measures designed to increase domestic steel production.

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

Item	FINAL MAY 1972 FIGURES				Total year through May 1972 3/	Preliminary total for month of June 1972 4/
	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscel-laneous users	Total for month of May 1972		
SCRAP:						
Receipts-----	2,893,214	165,787	922,327	3,981,328	18,596,694	3,786,000
Production-----	3,975,581	71,399	498,386	4,545,366	21,179,145	4,425,000
Consumption by grades:						
Carbon steel-						
Low phosphorus plate and punchings-----	46,107	59,505	85,100	190,712	922,307	190,000
Cut structural and plate-----	33,365	14,009	81,470	128,844	597,230	129,000
No. 1 heavy melting steel-----	2,487,867	16,409	34,474	2,538,750	11,659,776	2,444,000
No. 2 heavy melting steel-----	309,559	78	14,389	324,026	1,499,577	281,000
No. 1 and electric furnace bundles-----	561,131	10,254	31,065	602,450	2,767,073	570,000
No. 2 and all other bundles-----	265,802	1,708	52,791	320,301	1,523,313	300,000
Turnings and borings-----	168,638	6,562	50,652	225,852	1,016,609	209,000
Slag scrap (Fe content)-----	274,441	468	1,444	276,353	1,216,258	290,000
Shredded or fragmented 5/-----	118,971	3,805	42,880	165,656	833,544	149,000
All other carbon steel scrap-----	1,311,082	70,980	188,767	1,570,829	7,191,452	1,519,000
Stainless steel-----	81,901	2,301	1,063	85,265	405,795	83,000
Alloy steel (except stainless)-----	236,477	11,676	13,689	261,842	1,203,508	204,000
Cast iron (include borings)-----	422,441	25,768	796,776	1,244,985	6,234,609	1,202,000
Other grades of scrap-----	58,312	9,940	57,491	125,743	679,047	121,000
Consumption Total-----	6,376,094	233,463	1,452,051	8,061,608	37,750,098	7,691,000
Shipments-----	478,824	3,097	22,718	504,639	2,320,347	521,000
Stocks end of month-----	7,252,390	254,353	723,118	8,229,861	--	8,238,000
PIG IRON:						
Receipts-----	339,632	7,080	291,133	637,845	2,896,611	572,000
Production-----	7,928,705	--	--	7,928,705	36,305,500	7,612,000
Consumption-----	7,672,407	6,057	286,665	7,965,129	36,321,124	7,641,000
Shipments-----	583,611	82	15,484	599,177	2,995,867	602,000
Stocks end of month-----	1,448,072	9,352	218,354	1,675,778	--	1,622,000

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 71 percent return of consumers reports - cut off date August 2, 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, May 1972 (Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	52,384	854	46,107	-36	47,506
Cut structural and plate-----	34,457	---	33,365	---	39,214
No. 1 heavy melting steel-----	767,424	1,818,115	2,487,867	180,091	2,664,183
No. 2 heavy melting steel-----	211,822	90,442	309,559	6,877	370,854
No. 1 and electric furnace bundles-----	528,769	72,478	561,131	5,795	857,224
No. 2 and all other bundles-----	253,254	46,668	265,802	5,317	380,852
Turnings and borings-----	134,057	32,287	168,638	20,239	163,441
Slag scrap (Fe content)-----	131,398	163,371	274,441	17,447	95,420
Shredded or fragmented-----	120,491	---	118,971	32	78,097
All other carbon steel scrap-----	312,690	1,113,981	1,311,082	108,122	1,225,471
Stainless steel-----	36,965	51,637	81,901	3,210	89,234
Alloy steel (except stainless)-----	36,656	196,836	236,477	5,251	255,345
Cast iron (includes borings)-----	230,622	369,105	422,441	123,212	956,829
Other grades of scrap-----	42,225	19,807	58,312	3,267	28,720
Total scrap-----	2,893,214	3,975,581	6,376,094	478,824	7,252,390
PIG IRON-----	339,632	7,928,705	7,672,407	583,611	1,448,072

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, May 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	45,293	13,535	59,505	395	55,473
Cut structural and plate-----	12,399	448	14,009	---	12,122
No. 1 heavy melting steel-----	9,890	6,963	16,409	---	24,374
No. 2 heavy melting steel-----	---	---	78	---	---
No. 1 and electric furnace bundles-----	8,415	---	10,254	---	9,431
No. 2 and all other bundles-----	1,550	---	1,708	---	550
Turnings and borings-----	6,087	795	6,562	423	3,646
Slag scrap (Fe content)-----	90	366	468	---	30
Shredded or fragmented-----	5,082	---	3,805	---	4,561
All other carbon steel scrap-----	48,346	26,066	70,980	325	61,862
Stainless steel-----	1,089	1,095	2,301	94	6,439
Alloy steel (except stainless)-----	6,088	6,601	11,676	1,055	24,595
Cast iron (includes borings)-----	15,121	11,749	25,768	341	44,312
Other grades of scrap-----	6,337	3,781	9,940	464	6,958
Total scrap-----	165,787	71,399	233,463	3,097	254,353
PIG IRON-----	7,080	---	6,057	82	9,352

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, May 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	75,544	4,396	85,100	886	45,089
Cut structural and plate-----	76,260	7,013	81,470	1,016	66,951
No. 1 heavy melting steel-----	26,088	6,034	34,474	1,294	11,692
No. 2 heavy melting steel-----	11,252	988	14,389	434	9,786
No. 1 and electric furnace bundles-----	29,399	23	31,065	---	12,171
No. 2 and all other bundles-----	48,057	1,144	52,791	---	35,915
Turnings and borings-----	48,935	3,787	50,652	3,263	63,579
Slag scrap (Fe content)-----	698	713	1,444	---	381
Shredded or fragmented-----	45,332	---	42,880	23	31,929
All other carbon steel scrap-----	155,275	11,828	188,767	1,445	99,016
Stainless steel-----	649	23	1,063	11	1,771
Alloy steel (except stainless)-----	8,094	874	13,689	148	13,513
Cast iron (includes borings)-----	363,567	438,963	796,776	11,256	306,089
Other grades of scrap-----	33,177	22,600	57,491	2,942	25,236
Total scrap-----	922,327	498,386	1,452,051	22,718	723,118
PIG IRON-----	291,133	---	286,665	15,484	218,354

FOREIGN TRADE

Exports of iron and steel scrap totaled 637,107 short tons in June compared with 603,860 tons in May. Exports of pig iron during June totaled 260 tons and 715 tons in May. Imports of scrap totaled 23,858 short tons in June compared with 37,962 tons in May. Of the scrap imported during June, 22,436 short tons came from Canada and 1,422 tons from other sources. Imports of pig iron totaled 70,184 short tons in June and 60,623 tons in May. In addition to the foregoing imports of pig iron during June there were 676 tons of sponge iron, valued at \$92,578 imported from Canada.

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

Country	June 1972		Year to date	
	Short tons	Value	Short tons	Value
Belgium-----	16	\$ 2,680	3,598	\$ 180,446
Canada-----	81,620	2,140,673	480,452	14,344,926
Italy-----	104,557	3,009,815	342,781	10,696,630
Japan-----	145,801	4,146,928	944,477	25,808,216
Korea-----	38,081	1,211,080	133,621	4,555,481
Mexico-----	38,263	1,399,794	249,088	9,125,860
Spain-----	64,019	2,048,421	331,297	9,136,501
Taiwan-----	2,127	76,053	151,257	4,373,832
Thailand-----	2,800	125,000	46,702	1,606,618
United Kingdom-----	13,429	527,752	24,811	996,500
Venezuela-----	44,733	1,066,449	117,506	2,989,958
Other countries-----	101,661	3,770,652	261,489	9,707,121
Total-----	637,107	19,525,297	3,087,079	93,522,089

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	June 1972		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	175,039	\$6,165,588	926,523	\$30,558,314
No. 2 heavy melting steel scrap-----	60,644	1,914,239	308,749	8,606,025
No. 1 bundles-----	8,780	265,717	61,182	1,817,575
No. 2 bundles-----	84,916	1,792,256	497,312	10,032,583
Borings, shovelings and turnings-----	41,421	899,328	214,990	4,283,234
Stainless steel-----	1,837	556,020	18,821	5,185,455
Shredded steel scrap----	147,658	4,452,503	637,188	19,665,751
Iron scrap (excluding borings and shovelings)	60,412	1,882,281	199,700	6,012,944
All other steel scrap <u>1/</u>	56,400	1,597,365	222,614	7,350,208
Total-----	637,107	19,525,297	3,087,079	93,522,089
Ships, boats, and other vessels for breaking up (for scrapping)-----	61,264	2,041,696	205,049	3,999,391
Total-----	698,371	21,566,993	3,292,128	97,521,480

1/ Includes tinplate and terneplate.