

MINERAL INDUSTRY SURVEYS



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON, D. C. 20240



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Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN APRIL 1972

Preliminary figures based on 77 percent of consumers reporting, indicate April consumption of iron and steel scrap nearly equaled consumption in March, according to the Bureau of Mines, U.S. Department of the Interior. During the same period, production was up 1 percent, net receipts down 4 percent, and stocks down 1 percent. Total consumption for the year through March was down 6 percent from that of the comparable period in 1971.

Exports in April were 21 percent below those of March and 14 percent below those of April 1971. Total iron and steel scrap exports for the year through April were 10 percent below 1971 exports for the comparable period. Largest importer of U.S. scrap was Japan which took 34 percent of total U.S. exports. Next largest exports were to Canada and Mexico which received 22 percent and 10 percent, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of April was \$35.50, up \$1.00 from the April 1971 price of \$34.50. At the end of April, No. 2 bundle price of \$25.17 was \$1.00 above its \$24.17 price 1 year earlier.

Preliminary April figures indicate both pig iron production and consumption during the month were down about 1 percent from those of March. Stocks declined about 3 percent during the same period.

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 MARCH 1972 FIGURES				Total year through March 1972 3/	Preliminary total for month of April 1972 4/
	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscellaneous users	Total for month of March 1972		
ISCRAP:						
Receipts-----	2,931,050	181,411	985,017	4,097,478	10,846,331	3,962,000
Production-----	3,790,085	71,709	521,167	4,382,961	12,126,331	4,417,000
Consumption by grades:						
Carbon steel-						
Low phosphorus plate and punchings-----	52,776	64,464	85,623	202,863	539,739	190,000
Cut structural and plate-----	26,224	12,824	90,441	129,489	349,325	122,000
No. 1 heavy melting steel-----	2,495,790	19,820	37,104	2,552,714	6,655,325	2,470,000
No. 2 heavy melting steel-----	297,500	1	14,975	312,476	876,450	324,000
No. 1 and electric furnace bundles-----	514,326	8,880	29,348	552,554	1,612,083	527,000
No. 2 and all other bundles-----	274,756	2,036	45,405	322,197	886,578	326,000
Turnings and borings-----	149,031	6,394	58,542	213,967	575,411	219,000
Slag scrap (Fe content)-----	240,786	532	1,521	242,839	641,099	292,000
Shredded or fragmented 5/-----	116,632	3,641	51,062	171,335	513,843	161,000
All other carbon steel scrap-----	1,220,047	73,945	190,689	1,484,681	4,081,306	1,562,000
Stainless steel-----	83,151	2,315	1,423	86,889	295,303	88,000
Alloy steel (except stainless)-----	233,736	12,269	13,453	259,458	686,089	253,000
Cast iron (includes borings)-----	436,523	27,283	821,395	1,285,201	3,696,535	1,278,000
Other grades of scrap-----	85,404	10,986	53,996	150,386	421,702	134,000
Consumption Total-----	6,226,682	245,390	1,494,977	7,967,049	21,830,788	7,946,000
Shipments-----	440,705	3,058	17,099	460,862	1,345,739	476,000
Stocks end of month-----	7,310,175	263,714	736,498	8,310,387	----	8,267,000
PIG IRON:						
Receipts-----	548,335	5,618	240,181	794,134	1,864,312	861,000
Production-----	7,378,560	-----	-----	7,378,560	20,398,034	7,279,000
Consumption-----	7,351,308	5,543	241,971	7,598,822	20,561,707	7,553,000
Shipments-----	574,058	129	11,718	585,905	1,756,401	643,000
Stocks end of month-----	1,491,933	9,061	231,143	1,732,137	----	1,676,000

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 77 percent return of consumers reports - cut off date May 25, 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, March 1972 (Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	47,518	799	52,776	512	47,295
Cut structural and plate-----	20,151	20	26,224	--	41,340
No. 1 heavy melting steel-----	901,667	1,766,219	2,495,790	201,794	2,749,086
No. 2 heavy melting steel-----	217,658	66,447	297,500	6,096	393,652
No. 1 and electric furnace bundles-----	504,963	71,626	514,326	4,265	798,250
No. 2 and all other bundles-----	256,787	45,653	274,756	6,653	339,940
Turnings and borings-----	128,140	30,535	149,031	4,302	178,128
Slag scrap (Fe content)-----	100,357	146,374	240,786	4,684	88,614
Shredded or fragmented-----	118,268	--	116,632	177	72,525
All other carbon steel scrap-----	318,055	1,017,191	1,220,047	80,431	1,289,744
Stainless steel-----	37,040	51,557	83,151	3,759	89,937
Alloy steel (except stainless)-----	33,906	194,932	233,736	5,502	276,685
Cast iron (includes borings)-----	198,103	353,944	436,523	118,115	913,294
Other grades of scrap-----	48,437	44,788	85,404	4,415	31,685
Total scrap-----	2,931,050	3,790,085	6,226,682	440,705	7,310,175
PIG IRON-----	548,335	7,378,560	7,351,308	574,058	1,491,933

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, March 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	50,468	14,203	64,464	465	57,736
Cut structural and plate-----	14,513	395	12,824	--	15,736
No. 1 heavy melting steel-----	12,202	7,659	19,820	--	24,350
No. 2 heavy melting steel-----	--	--	1	--	83
No. 1 and electric furnace bundles-----	8,758	--	8,880	--	12,563
No. 2 and all other bundles-----	2,209	--	2,036	--	581
Turnings and borings-----	5,381	641	6,394	272	5,422
Slag scrap (Fe content)-----	70	468	532	--	29
Shredded or fragmented-----	4,853	--	3,641	--	4,213
All other carbon steel scrap-----	50,395	23,785	73,945	313	61,482
Stainless steel-----	1,266	1,558	2,315	109	6,472
Alloy steel (except stainless)-----	6,704	7,024	12,269	1,105	24,368
Cast iron (includes borings)-----	17,672	11,725	27,283	266	42,250
Other grades of scrap-----	6,920	4,251	10,986	528	8,429
Total scrap-----	181,411	71,709	245,390	3,058	263,714
PIG IRON-----	5,618	--	5,543	129	9,061

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, March 1972
(Short tons)

Item	Receipts	Production	Consumption	Shipments	Ending stocks
SCRAP:					
Carbon steel-					
Low phosphorus plate and punchings-----	85,271	4,905	85,623	809	43,360
Cut structural and plate-----	86,746	8,909	90,441	522	66,833
No. 1 heavy melting steel-----	30,545	6,898	37,104	2,348	14,428
No. 2 heavy melting steel-----	13,997	847	14,975	93	10,925
No. 1 and electric furnace bundles-----	30,796	21	29,348	1	13,318
No. 2 and all other bundles-----	47,849	923	45,405	--	38,866
Turnings and borings-----	60,418	3,316	58,542	2,904	58,145
Slag scrap (Fe content)-----	630	805	1,521	43	494
Shredded or fragmented-----	51,643	--	51,062	52	30,606
All other carbon steel scrap-----	180,189	12,669	190,689	2,423	123,197
Stainless steel-----	1,116	11	1,423	24	1,677
Alloy steel (except stainless)-----	10,811	852	13,453	34	18,779
Cast iron (includes borings)-----	350,846	460,575	821,395	7,045	293,652
Other grades of scrap-----	34,160	20,436	53,996	801	22,218
Total scrap-----	985,017	521,167	1,494,977	17,099	736,498
PIG IRON-----	240,181	--	241,971	11,718	231,143

FOREIGN TRADE

Exports of iron and steel scrap totaled 447,778 short tons in April compared with 563,531 tons in March. Exports of pig iron during April totaled 330 tons and 1,132 tons in March. Imports of scrap totaled 23,995 short tons in April compared with 26,288 tons in March. Of the scrap imported during April, 21,696 short tons came from Canada and 2,299 tons from other sources. Imports of pig iron totaled 33,182 short tons in April and 3,271 tons in March. In addition to the foregoing imports of pig iron during April, there were 849 tons of sponge iron, valued at \$116,713, imported, of which 827 tons came from Canada and 22 tons from other countries.

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

Country	April 1972		Year to date	
	Short tons	Value	Short tons	Value
Belgium-----	911	\$ 29,910	1,025	\$ 74,131
Canada-----	97,701	2,711,009	320,628	9,769,360
Hong Kong-----	60	23,765	231	117,939
Italy-----	21,047	676,451	196,196	6,000,955
Japan-----	153,915	4,526,401	624,125	16,539,628
Mexico-----	45,293	1,640,007	175,896	6,440,799
Philippines-----	63	22,817	13,784	309,765
Taiwan-----	2,226	104,908	97,785	2,780,099
Thailand-----	--	--	28,555	959,579
United Kingdom-----	97	3,270	11,364	464,393
Venezuela-----	28,174	634,354	40,447	1,079,214
Other countries-----	98,291	3,036,295	336,076	10,556,646
Total-----	447,778	13,409,187	1,846,112	55,092,508

^{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	April 1972		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	128,752	\$ 4,188,707	548,523	\$17,427,605
No. 2 heavy melting steel scrap-----	33,390	958,437	200,887	5,350,934
No. 1 bundles-----	3,396	104,580	32,017	935,843
No. 2 bundles-----	79,028	1,535,801	312,496	6,135,470
Borings, shovelings and turnings-----	45,202	869,244	126,641	2,298,923
Stainless steel-----	2,661	707,403	13,208	3,406,321
Shredded steel scrap-----	88,809	2,824,300	395,093	12,324,010
Iron scrap (excluding borings and shovelings)-	24,341	748,817	104,839	3,178,986
All other steel scrap ^{1/--}	42,199	1,471,898	112,408	4,034,416
Total-----	447,778	13,409,187	1,846,112	55,092,508
Ships, boats, and other vessels for breaking up (for scrapping)-----	6,079	99,017	83,407	1,431,948
Total-----	453,857	13,508,204	1,929,519	56,524,456

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