



MINERAL INDUSTRY SURVEYS

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



Rogers C. B. Morton, Secretary

Elburt F. Osborn, Director

For information call H. J. Polta
Telephone: 703-557-0622

Iron and Steel Scrap, Monthly

IRON AND STEEL SCRAP IN JANUARY 1972

Preliminary figures based on 80 percent of reporting consumers, indicate January consumption of iron and steel scrap was up 12 percent compared to December, according to the Bureau of Mines, U.S. Department of the Interior. During the same period, production was up 6 percent; net receipts up 12 percent; and stocks down 4 percent. According to the monthly reports from consumers, total scrap consumption in 1971 was about 5 percent below that in 1970.

Reduced steel production throughout the world and the west coast dock strike continued to adversely effect scrap export trade. Exports in January were 30 percent below those of December and 47 percent below those of January 1971. Largest importer of U.S. scrap was Japan which took 29 percent of total U.S. exports. Next largest exports were to Canada and Mexico which received 26 percent and 12 percent, respectively.

Although scrap prices rose sharply in January, they were still well below January prices the previous 2 years. The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of January was \$34.17, down \$7.00 from the January 1971 price of \$41.17. The end of January No. 2 bundle price of \$23.17 was \$3.33 below its \$26.50 price a year earlier.

Preliminary January figures indicate pig iron production and consumption during the month were up 10 percent and 11 percent respectively, from those of December. Stocks remained essentially unchanged.

Prepared in Division of Ferrous Metals, March 27, 1972.

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 DECEMBER 1971 FIGURES				Total year through December 1971 3/	Preliminary total for month of January 1972 4/
	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscellaneous users	Total for month of December 1971		
SCRAP:						
Receipts-----	1,957,068	155,388	773,300	2,885,756	38,111,790	3,066,000
Production-----	3,038,871	67,604	450,944	3,557,419	49,176,574	3,774,000
Consumption by grades:						
Carbon steel-						
Low phosphorus plate and punchings-----	29,875	49,577	66,813	146,265	2,196,052	169,000
Cut structural and plate-----	26,404	14,752	64,953	106,109	1,347,990	119,000
No. 1 heavy melting steel-----	1,656,465	20,744	18,571	1,695,780	24,332,428	2,010,000
No. 2 heavy melting steel-----	189,247	180	20,912	210,339	3,032,561	226,000
No. 1 and electric furnace bundles-----	429,701	7,854	30,034	467,589	5,947,622	560,000
No. 2 and all other bundles-----	175,126	2,005	37,544	214,675	3,127,968	270,000
Turnings and borings-----	103,258	4,235	46,132	153,625	2,280,160	175,000
Slag scrap (Fe content)-----	196,456	226	1,495	198,177	2,940,853	199,000
Shredded or fragmented 5/-----	86,006	3,630	39,715	129,351	1,554,517	132,000
All other carbon steel scrap-----	1,018,198	71,046	139,219	1,228,463	16,175,931	1,318,000
Stainless steel-----	67,869	2,187	2,023	72,079	798,561	75,000
Alloy steel (except stainless)-----	173,236	7,537	8,100	188,873	2,562,118	206,000
Cast iron (include borings)-----	376,514	22,357	693,864	1,092,735	13,993,540	1,177,000
Other grades of scrap-----	64,112	5,800	49,472	119,384	1,321,497	119,000
Consumption Total-----	4,592,467	212,130	1,218,847	6,023,444	81,611,798	6,755,000
Shipments-----	434,009	38,797	21,935	494,741	5,242,110	377,000
Stocks end of month-----	7,231,314	250,174	816,401	8,297,889	-----	8,006,000
PIG IRON:						
Receipts-----	237,842	3,507	181,283	422,632	6,476,159	512,000
Production-----	5,907,768	-----	-----	5,907,768	79,820,080	6,502,000
Consumption-----	5,722,471	4,338	174,065	5,900,874	80,319,467	6,526,000
Shipments-----	427,427	2,377	1,529	431,333	6,097,031	484,000
Stocks end of month-----	1,503,893	7,204	265,523	1,776,620	-----	1,781,000

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 80 percent return of consumers reports - cut off date March 3, 1972.

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

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, December 1971
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama-----	120,947	142,046	239,645	2,283	393,381	236,699
Arizona-----	W	W	W	W	W	----
Arkansas-----	W	----	W	----	W	----
California-----	129,559	116,361	213,626	9,203	286,314	151,676
Colorado-----	44,224	44,489	83,481	----	48,427	85,325
Connecticut-----	4,166	3,672	8,511	352	10,367	810
Delaware-----	W	W	W	----	W	W
Florida-----	W	W	W	W	W	W
Georgia-----	24,702	6,331	19,214	186	69,721	561
Illinois-----	348,374	291,176	625,995	27,630	946,070	445,359
Indiana-----	140,607	559,541	689,237	160,835	1,161,340	960,525
Iowa-----	37,108	14,282	52,616	W	48,625	1,967
Kansas-----	5,985	3,994	9,935	W	6,628	141
Kentucky-----	48,238	62,451	104,887	12,531	147,909	131,055
Louisiana-----	W	W	W	W	W	----
Maine-----	W	W	W	----	W	W
Maryland-----	25,551	141,797	176,079	W	175,740	W
Massachusetts-----	2,227	3,341	5,674	W	3,068	1,344
Michigan-----	360,962	347,170	644,495	20,223	456,526	629,451
Minnesota-----	8,489	4,109	11,933	W	90,414	2,659
Mississippi-----	W	W	W	----	W	----
Missouri-----	13,815	17,618	80,991	W	98,919	1,043
Montana-----	W	W	W	----	W	W
Nebraska-----	W	W	W	W	W	W
Nevada-----	W	----	W	----	W	W
New Hampshire-----	W	W	W	----	W	W
New Jersey-----	38,077	11,309	43,836	3,847	50,368	4,289
New York-----	86,093	101,128	182,673	12,534	340,653	226,013
North Carolina-----	11,083	W	10,765	----	6,262	W
Ohio-----	544,829	608,089	992,217	94,653	1,365,798	932,656
Oklahoma-----	33,425	3,907	19,541	----	39,791	313
Oregon-----	6,845	W	9,448	W	13,874	W
Pennsylvania-----	416,605	798,270	1,052,915	119,684	1,797,323	1,375,078
Rhode Island-----	7,896	4,202	12,275	W	5,633	326
South Carolina-----	1,396	W	4,082	W	2,280	W
Tennessee-----	30,469	18,763	52,640	536	18,960	5,097
Texas-----	128,302	44,281	196,299	3,700	245,471	7,139
Utah-----	W	W	W	W	W	W
Vermont-----	307	116	810	----	1,241	206
Virginia-----	19,265	14,718	32,436	W	32,477	W
Washington-----	39,232	7,273	30,722	789	133,444	31
West Virginia-----	64,075	72,266	158,203	----	26,139	249,133
Wisconsin-----	32,931	32,975	66,688	3,302	31,535	8,560
Undistributed-----	109,972	61,744	191,575	22,453	243,191	443,418
Total-----	2,885,756	3,557,419	6,023,444	494,741	8,297,889	5,900,874

W Withheld to avoid disclosing individual company confidential data; included in "Undistributed."

TABLE 3. - U.S. consumption of iron and steel scrap by grades, December 1971
(Short tons)

State	CARBON STEEL							Stainless & alloy steel	Cast iron (including borings)	Other grades of scrap including slag
	Low phos., cut struc- tural, and plate	No. 1 & 2 heavy melt- ing steel & No. 1 bundles	No. 2 & all other bundles	Turnings & borings	Shredded or fragmentized	All other carbon steel				
Alabama-----	12,909	94,193	30,107	1,481	384	38,722	3,904	54,705	3,240	
Arizona-----	W	W	----	----	----	W	W	W	W	
Arkansas-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	
California-----	4,022	45,206	11,882	2,437	11,641	97,601	546	30,825	9,466	
Colorado-----	2,461	56,517	-----	1,381	3,831	-----	214	3,600	15,477	
Connecticut-----	3,073	225	34	-----	137	417	2,768	1,458	399	
Delaware-----	W	W	-----	W	-----	W	W	W	-----	
Florida-----	W	W	-----	-----	-----	W	-----	W	-----	
Georgia-----	206	9,706	1,862	-----	-----	4,645	-----	2,795	-----	
Illinois-----	61,021	220,809	32,871	21,387	20,343	171,931	9,703	84,011	3,919	
Indiana-----	11,086	348,206	29,116	15,013	510	110,220	6,886	107,953	60,247	
Iowa-----	4,226	7,778	3,668	12,654	413	2,551	-----	16,148	5,178	
Kansas-----	5,429	-----	-----	-----	W	W	-----	765	-----	
Kentucky-----	-----	58,906	-----	4,280	-----	19,319	3,294	10,393	8,695	
Louisiana-----	W	-----	-----	-----	-----	W	-----	-----	-----	
Maine-----	W	-----	-----	-----	-----	-----	-----	W	-----	
Maryland-----	1,415	W	W	W	-----	-----	8,064	21,301	14,982	
Massachusetts-----	346	98	-----	W	-----	784	96	4,026	W	
Michigan-----	25,860	108,356	10,049	8,090	25,692	180,162	12,405	225,599	48,282	
Minnesota-----	2,758	894	W	W	W	2,247	-----	5,963	66	
Mississippi-----	-----	W	W	-----	W	W	-----	-----	-----	
Missouri-----	415	60,593	-----	W	W	1,787	1,235	10,884	931	
Montana-----	-----	-----	-----	-----	-----	-----	-----	W	W	
Nebraska-----	W	-----	-----	-----	-----	W	-----	W	W	
Nevada-----	W	-----	-----	-----	-----	-----	-----	-----	-----	
New Hampshire-----	-----	W	-----	-----	-----	-----	-----	-----	-----	
New Jersey-----	1,344	6,562	9,172	-----	W	9,669	543	16,112	74	
New York-----	4,971	53,971	6,711	6,478	2,561	35,502	10,184	44,110	18,185	
North Carolina-----	W	9,110	-----	-----	-----	W	-----	1,130	-----	
Ohio-----	48,741	335,973	40,326	44,159	21,561	202,206	62,833	207,131	29,287	
Oklahoma-----	W	W	-----	-----	-----	W	-----	W	W	
Oregon-----	-----	W	W	-----	-----	W	W	-----	-----	
Pennsylvania-----	24,963	544,066	6,672	22,132	4,267	172,872	123,931	99,078	54,934	
Rhode Island-----	-----	W	-----	-----	-----	1,199	W	W	W	
South Carolina-----	W	-----	W	W	-----	W	-----	3,281	-----	
Tennessee-----	6,991	W	W	-----	-----	W	-----	33,232	7,043	
Texas-----	6,574	80,663	4,382	11,564	584	46,159	5,896	35,609	4,868	
Utah-----	W	W	W	-----	W	W	W	W	-----	
Vermont-----	-----	W	-----	-----	-----	W	-----	-----	-----	
Virginia-----	5,060	W	W	-----	W	-----	-----	14,136	-----	
Washington-----	1,448	15,801	1,323	219	6,885	1,504	830	1,918	W	
West Virginia-----	-----	58,692	10,670	31	-----	73,318	477	1,260	W	
Wisconsin-----	14,431	-----	-----	1,401	281	16,191	170	29,619	4,595	
Undistributed-----	2,624	257,383	15,830	918	30,261	39,457	6,973	25,693	27,693	
Total-----	252,374	2,373,708	214,675	153,625	129,351	1,228,463	260,952	1,092,735	317,561	

W Withheld to avoid disclosing individual company confidential data; included in "Undistributed."

FOREIGN TRADE

Exports of iron and steel scrap totaled 325,991 short tons in January compared with 468,007 tons in December. Exports of pig iron during January totaled 904 tons and 3,487 tons in December. Imports of scrap totaled 26,206 short tons in January compared with 23,745 tons in December. Of the scrap imported during January, 22,856 short tons came from Canada and 3,350 tons from other sources. Imports of pig iron totaled 5,151 short tons in January and 33,242 tons in December. In addition to the foregoing imports of pig iron during January there were 1,468 tons of sponge iron, valued at \$208,112 imported, of which 1,413 tons came from Canada, 55 tons from other countries.

TABLE 4. - U.S. exports of iron and steel scrap 1/, by countries

Country	January 1972	
	Short tons	Value
Belgium-----	42	\$ 16,840
Canada-----	83,229	2,846,349
Hong Kong-----	23	13,398
Italy-----	13,935	468,658
Japan-----	95,553	2,308,726
Mexico-----	40,365	1,441,788
Philippines-----	13,691	285,974
Taiwan-----	21,825	636,884
Thailand-----	8,956	253,792
United Kingdom-----	614	24,929
Venezuela-----	9,066	301,442
Other Countries-----	38,692	1,325,076
Total-----	325,991	\$ 9,923,856

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

TABLE 5. - U.S. exports of iron and steel scrap, by grades

Grades of scrap	January 1972	
	Short tons	Value
No. 1 heavy melting steel scrap-----	86,755	\$ 2,767,708
No. 2 heavy melting steel scrap-----	36,720	944,075
No. 1 bundles-----	9,142	268,664
No. 2 bundles-----	50,401	936,783
Borings, shovelings and turnings-----	27,063	486,730
Stainless steel-----	3,497	975,730
Shredded steel scrap-----	62,037	2,037,548
Iron scrap (excluding borings and shovelings)-	34,427	917,600
All other steel scrap <u>1/</u> -----	15,949	589,018
Total-----	325,991	9,923,856
Ships, boats, and other vessels for breaking up (for scrapping)-----	20,727	337,639
Total-----	346,718	\$10,261,495

1/ Includes tin plate and terne plate.