



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 AUGUST 1970

Production, consumption, and stocks of iron and steel scrap showed only fractional changes in August compared with the previous month, according to the Bureau of Mines, U.S. Department of the Interior. Minor gains were registered by production, consumption, and stocks, with receipts approaching a 10-percent loss. Shipments were down approximately 24 percent from the previous month.

Exports of iron and steel scrap in August decreased approximately 10 percent from the quantity shipped in July. Exports for the year-to-date showed a 34 percent increase when compared to the same period of 1969. Japan imported over one-third of the total volume shipped, with Spain and Italy obtaining significant quantities of the remainder exported during August. No. 1 Heavy Melting steel scrap continued to be the major item exported, in terms of tonnage and value.

The composite price of No. 1 Heavy Melting steel scrap (Chicago, Pittsburgh, Philadelphia) was \$40.70 per gross ton at the end of August. This price compares to \$39.83 per ton at the end of July and \$34.10 per ton one year ago. The dealer's quotations for No. 2 bundles ranged from \$27.00 per gross ton in Philadelphia to \$29.00-30.00 in Chicago.

Production and consumption of pig iron showed fractional declines in August while receipts and end-of-month stocks recorded slight increases. Shipments, however, registered a gain of approximately 10 percent over the quantity shipped in July. Total consumption for the first eight months of this year registered a 3-percent decrease from the same period of 1969.

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, August 1970
(Short tons)

	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscel- laneous users	Total	Total Year to date 3/
SCRAP:					
Receipts-----	2,264,313	143,029	652,813	3,060,155	27,035,307
Production-----	3,886,597	75,454	414,774	4,376,825	35,849,229
Consumption by grades:					
Carbon steel-					
Low phosphorous plate and punchings-	33,182	51,948	61,753	146,883	1,273,876
Cut structural and plate-----	40,250	12,900	53,867	107,017	1,012,496
No. 1 heavy melting steel-----	2,004,476	19,972	19,199	2,043,647	18,554,430
No. 2 heavy melting steel-----	223,534	262	13,572	237,368	2,139,418
No. 1 and electric furnace bundles--	451,735	7,047	20,189	478,971	4,156,452
No. 2 and all other bundles-----	300,564	2,199	37,691	340,454	2,726,939
Turnings and borings-----	144,714	4,932	48,562	198,208	1,929,135
Slag scrap (Fe content)-----	281,231	450	609	282,290	2,204,880
Shredded or fragmented-----	51,908	3,685	6,334	61,927	560,160
All other carbon steel scrap-----	1,308,608	56,804	130,139	1,495,551	11,850,518
Stainless steel-----	60,005	1,899	2,093	63,997	554,107
Alloy steel (except stainless)-----	190,128	10,823	9,835	210,786	1,942,270
Cast iron (includes borings)-----	462,696	23,487	599,622	1,085,805	9,013,839
Other grades of scrap-----	36,054	9,927	42,273	88,254	772,975
Total consumption-----	5,589,085	206,335	1,045,738	6,841,158	58,691,495
Shipments-----	426,222	5,067	20,403	451,692	3,851,824
Stocks end of month-----	5,746,935	260,453	820,861	6,828,249	-----
PIG IRON:					
Receipts-----	455,624	6,806	240,214	702,644	5,244,330
Production-----	7,399,998	-----	-----	7,399,998	60,795,296
Consumption-----	7,169,013	7,396	238,828	7,415,237	60,651,800
Shipments-----	679,754	84	469	680,307	5,156,974
Stocks end of month-----	1,704,541	12,173	212,467	1,929,181	-----

1/ Includes only those castings made by companies producing steel 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 totals due to revisions after publications of monthly data.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, August 1970
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Ala.-----	145,781	162,509	294,116	9,882	208,457	328,288
Ariz.-----	W	W	W	W	W	----
Ark.-----	W	----	W	----	W	----
Calif.-----	126,953	167,918	268,400	9,057	216,041	201,274
Colo.-----	W	W	W	----	W	W
Conn.-----	7,095	3,995	9,918	456	16,461	1,105
Del.-----	W	W	W	W	W	----
Fla.-----	W	W	W	----	W	W
Ga.-----	W	W	W	W	W	----
Ill.-----	326,909	361,059	659,718	32,052	682,374	604,238
Ind.-----	181,190	726,370	804,281	37,303	871,397	1,133,021
Iowa-----	28,423	7,674	35,389	W	39,848	2,149
Kans.-----	3,970	3,561	7,376	W	4,208	137
Ky.-----	56,996	69,536	110,023	11,412	139,631	W
La.-----	W	W	W	W	W	----
Maine-----	W	W	W	----	W	W
Md.-----	49,610	W	266,952	W	286,648	W
Mass.-----	2,537	3,756	6,506	W	3,663	1,533
Mich.-----	335,956	348,609	674,896	48,250	376,399	599,344
Minn.-----	25,969	16,161	28,209	W	67,101	36,407
Miss.-----	W	W	W	----	W	----
Mo.-----	66,058	20,989	65,372	W	176,412	1,000
Mont.-----	W	W	W	W	W	W
Nebr.-----	W	W	W	W	W	W
Nev.-----	W	----	W	----	W	W
N. H.-----	W	W	W	----	W	W
N. J.-----	49,347	9,963	39,198	899	82,485	3,584
N. Y.-----	79,980	168,084	236,365	10,348	302,618	399,202
N. C.-----	3,100	975	6,320	----	14,064	W
Ohio-----	544,156	740,726	1,164,513	110,866	927,946	1,275,847
Okla.-----	15,730	4,237	13,605	----	39,091	W
Oreg.-----	6,711	4,140	15,770	W	13,504	W
Pa.-----	595,005	908,790	1,318,635	151,643	1,554,860	1,673,540
R. I.-----	5,437	3,537	10,134	132	12,058	668
S. C.-----	1,715	W	3,504	----	1,687	W
Tenn.-----	29,395	15,061	43,151	1,207	19,138	13,003
Texas-----	89,135	125,676	242,585	10,117	242,641	8,567
Utah-----	12,166	60,959	60,373	3,581	148,749	162,007
Vt.-----	639	693	1,322	----	1,656	464
Va.-----	15,246	10,409	24,174	W	28,263	W
Wash.-----	52,521	13,299	58,274	787	92,051	W
W. Va.-----	49,500	82,116	146,523	83	77,453	W
Wis.-----	26,320	29,042	54,755	2,206	29,644	8,204
Undistrib.--	126,605	306,981	170,801	11,411	155,701	961,655
Total U.S.--	3,060,155	4,376,825	6,841,158	451,692	6,828,249	7,415,237

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, August 1970
(Short tons)

State	CARBON STEEL						Stainless and alloy steel	Cast iron (including borings)	Other grades of scrap including slag
	Low phos., cut structural, and plate	No. 1 & 2 heavy melting steel	No. 1-2 & all other bundles	Turnings and borings	Shredded or fragmented	All other carbon steel			
Alabama-----	10,544	91,197	62,889	3,849	980	44,485	1,834	70,687	7,651
Arizona-----	W	-----	W	-----	-----	W	W	W	-----
Arkansas-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
California-----	3,192	47,788	26,375	4,986	9,381	125,128	382	38,264	12,904
Colorado-----	W	W	-----	W	-----	-----	W	W	W
Connecticut-----	2,613	291	22	-----	-----	447	4,325	1,913	-----
Delaware-----	W	W	W	W	-----	W	W	W	-----
Florida-----	W	-----	W	-----	-----	W	-----	W	-----
Georgia-----	W	W	W	-----	-----	W	-----	W	-----
Illinois-----	53,957	181,189	110,574	22,720	6,683	198,658	11,664	67,829	6,444
Indiana-----	8,170	386,221	59,088	15,042	-----	185,810	4,792	94,424	50,734
Iowa-----	5,007	2,481	3,596	11,248	953	651	189	6,538	4,726
Kansas-----	4,221	-----	7,456	-----	W	W	-----	432	-----
Kentucky-----	-----	62,490	-----	2,584	-----	14,327	6,433	10,043	6,690
Louisiana-----	W	-----	-----	-----	-----	W	-----	-----	-----
Maine-----	-----	-----	-----	-----	-----	-----	-----	W	-----
Maryland-----	2,332	W	27,832	-----	3,983	W	4,527	21,681	47,940
Massachusetts-----	713	71	152	23	-----	416	64	4,617	450
Michigan-----	23,101	29,103	115,386	7,565	9,221	244,013	8,058	217,291	21,158
Minnesota-----	2,163	13,504	W	W	-----	1,688	W	5,844	W
Mississippi-----	-----	-----	W	-----	W	W	-----	-----	-----
Missouri-----	3,128	37,406	W	-----	W	2,129	-----	11,867	1,089
Montana-----	-----	-----	-----	-----	-----	-----	-----	W	W
Nebraska-----	W	-----	-----	-----	-----	W	-----	W	-----
Nevada-----	W	-----	-----	-----	-----	-----	-----	-----	-----
New Hampshire-----	-----	W	-----	-----	-----	-----	-----	-----	-----
New Jersey-----	3,296	2,831	10,712	W	W	7,141	723	13,034	397
New York-----	4,405	77,251	15,837	1,151	1,226	47,500	11,223	53,283	24,489
North Carolina-----	W	-----	W	-----	-----	W	-----	-----	-----
Ohio-----	57,334	410,003	132,365	61,222	423	205,752	80,761	177,328	39,325
Oklahoma-----	-----	W	-----	-----	-----	W	-----	W	W
Oregon-----	-----	W	-----	-----	-----	W	-----	-----	-----
Pennsylvania-----	31,519	554,270	131,489	38,747	4,443	190,623	127,089	156,657	83,798
Rhode Island-----	-----	W	W	-----	-----	1,841	W	W	W
South Carolina-----	W	-----	-----	163	-----	W	-----	2,669	-----
Tennessee-----	5,093	W	731	-----	-----	W	-----	25,564	7,188
Texas-----	6,629	83,900	18,736	19,400	174	56,640	3,800	44,437	8,869
Utah-----	W	W	W	W	-----	W	W	W	-----
Vermont-----	-----	W	-----	-----	-----	W	-----	W	-----
Virginia-----	3,785	W	W	-----	W	3,921	W	12,031	-----
Washington-----	2,076	32,493	6,282	353	8,561	2,221	484	3,256	W
West Virginia-----	5,121	8,672	37,352	224	3,365	74,892	443	3,735	W
Wisconsin-----	12,539	1,130	-----	1,310	-----	12,471	171	23,590	3,544
Undistributed-----	2,962	258,724	52,551	7,621	12,534	74,797	7,821	18,791	43,148
U.S. Total-----	253,900	2,281,015	819,425	198,208	61,927	1,495,551	274,783	1,085,805	370,544

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FOREIGN TRADE

Exports of iron and steel scrap totaled 951,715 short tons in August compared with 1,051,898 tons in July. Exports of pig iron during August totaled 43,317 tons and 1,595 tons in July. Imports of scrap totaled 24,226 short tons in August compared with 28,454 tons in July. Of the scrap imported during August, 24,054 short tons came from Canada and 172 tons from other sources. Imports of pig iron totaled 19,026 short tons in August and 31,910 tons in July. In addition to the foregoing imports of pig iron during August there were 525 tons of sponge iron, valued at \$91,714 imported, all of which came from Canada.

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

Country	August 1970		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	46,777	\$ 1,295,561	425,173	\$12,649,781
Belgium -----	1,860	288,727	15,276	1,644,840
China (Taiwan) -----	294	18,372	107,638	4,937,222
Italy -----	104,863	4,781,608	347,470	13,879,809
Japan -----	374,505	17,243,877	3,934,596	155,318,240
Korea -----	78,288	3,287,853	537,326	24,433,135
Mexico -----	73,501	3,293,671	581,857	25,336,249
Spain -----	166,769	6,150,074	932,408	34,575,845
Sweden -----	23,077	2,320,577	133,441	18,378,898
West Germany -----	12,347	505,067	44,415	2,112,578
United Kingdom -----	606	37,477	66,026	3,152,216
Other Countries -----	68,828	2,103,358	229,249	9,016,618
Total -----	951,715	41,326,222	7,354,875	305,435,431

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

Grades of scrap	August 1970		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap -----	311,884	\$14,191,249	2,694,503	\$116,118,980
No. 2 heavy melting steel scrap -----	76,545	3,202,262	853,675	34,118,671
No. 1 bundles -----	44,463	1,896,071	225,588	9,582,261
No. 2 bundles -----	144,782	4,826,124	908,067	28,008,866
Borings, shovelings and turnings -----	42,745	995,489	409,376	10,185,884
Stainless steel -----	7,602	3,088,208	45,052	16,738,671
Shredded steel scrap ----	111,668	5,213,082	774,515	32,740,499
Iron scrap (excluding borings and shovelings)-	55,522	2,159,385	581,680	22,163,543
All other steel scrap 1/ -	156,504	5,754,352	862,419	35,778,056
Total -----	951,715	41,326,222	7,354,875	305,435,431

1/ Includes tin plate and terne plate.