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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 OCTOBER 1971

Preliminary figures based on 72 percent of reporting consumers, indicate October consumption of iron and steel scrap was up 5 percent compared to September, according to the Bureau of Mines, U.S. Department of the Interior. During the same period, production was up 8 percent; net receipts up 14 percent; and stocks up 4 percent. Total consumption for the year through October was down 4 percent from that of the comparable period in 1970.

Exports in September were 41 percent above those of August, but 5 percent below those of September 1970. Total iron and steel scrap exports for the year through September were 37 percent below 1970 exports for the comparable period. Largest importer of U.S. scrap was Japan which took 20 percent of total U.S. exports. Next largest exports were to Italy and Spain which received 19 percent and 11 percent, respectively.

The Iron Age composite price for No. 1 heavy melting steel scrap (Chicago, Pittsburgh, and Philadelphia) at the end of October was \$31.83, down \$6 from the October 1970 price of \$37.83. The end of October No. 2 bundle price of \$21.50 was \$2.33 below its \$23.83 price 1 year earlier.

Preliminary October figures indicate pig iron production and consumption during the month were up 13 percent and 7 percent respectively, from those of September. Stocks declined about 1 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)

	TOTAL SEPTEMBER 1971 FIGURES				Total year through September 1971 3/	Preliminary total for month of October 1971 4/
	Mfgs. of steel ingots and castings 1/	Mfgs. of steel castings 2/	Iron foundries and miscellaneous users	Total for month of September 1971		
SCRAP:						
Receipts-----	1,894,722	155,600	783,329	2,833,651	29,203,355	3,192,000
Production-----	2,640,899	76,113	484,256	3,201,268	38,700,787	3,468,000
Consumption by grades:						
Carbon steel-						
Low phosphorus plate and punchings--	33,604	55,908	62,291	151,803	1,744,501	151,000
Cut structural and plate-----	29,967	12,748	71,583	114,298	1,012,824	117,000
No. 1 heavy melting steel-----	1,395,123	18,689	22,016	1,435,828	19,565,769	1,569,000
No. 2 heavy melting steel-----	234,873	86	20,484	255,443	2,349,127	258,000
No. 1 and electric furnace bundles--	378,205	5,518	28,646	412,369	4,589,898	432,000
No. 2 and all other bundles-----	158,337	1,923	43,338	203,598	2,511,317	224,000
Turnings and borings-----	88,592	5,565	47,247	141,404	1,806,124	160,000
Slag scrap (Fe content)-----	204,896	237	1,767	206,900	2,309,851	229,000
Shredded or fragmented 5/-----	92,891	4,992	41,230	139,113	1,129,726	152,000
All other carbon steel scrap-----	938,952	77,125	135,978	1,152,055	12,578,396	1,166,000
Stainless steel-----	50,884	2,079	108	53,071	595,925	62,000
Alloy steel (except stainless)-----	132,568	9,670	10,941	153,179	1,992,280	186,000
Cast iron (include borings)-----	340,684	24,736	741,622	1,107,042	10,658,513	1,107,000
Other grades of scrap-----	41,455	9,059	46,900	97,414	956,606	119,000
Consumption Total-----	4,121,031	228,335	1,274,151	5,623,517	63,800,857	5,932,000
Shipments-----	361,230	4,216	19,346	384,792	4,036,158	390,000
Stocks end of month-----	6,879,269	246,289	772,915	7,898,473	-----	8,236,000
PIG IRON:						
Receipts-----	520,729	4,204	167,162	692,095	5,332,264	493,000
Production-----	4,810,401	-----	-----	4,810,401	63,216,750	5,428,000
Consumption-----	4,965,156	5,220	175,491	5,145,867	63,561,800	5,511,000
Shipments-----	413,720	65	729	414,514	5,028,306	433,000
Stocks end of month-----	1,594,007	13,077	278,570	1,885,654	-----	1,863,000

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 total due to revisions after publication of monthly data.

4/ Estimate based on 72 percent return of consumers reports - cut off date 11/29/71.

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, September 1971
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama-----	130,404	136,628	250,526	5,413	312,009	241,444
Arizona-----	W	W	W	W	W	-----
Arkansas-----	W	-----	W	-----	W	-----
California-----	97,346	96,758	209,609	8,483	254,363	144,792
Colorado-----	39,871	42,511	83,485	-----	37,656	85,082
Connecticut-----	5,363	3,830	8,929	385	11,207	739
Delaware-----	W	W	W	-----	W	W
Florida-----	W	W	W	W	W	W
Georgia-----	38,531	12,406	52,325	125	48,669	568
Illinois-----	340,418	306,700	577,957	29,000	806,249	420,241
Indiana-----	144,663	436,083	484,466	61,576	1,297,563	924,729
Iowa-----	30,055	14,289	51,528	W	40,126	2,104
Kansas-----	6,304	3,853	10,307	-----	5,436	140
Kentucky-----	45,681	48,574	86,273	5,020	145,044	102,413
Louisiana-----	W	W	W	W	W	-----
Maine-----	W	W	-	-----	W	W
Maryland-----	15,571	142,962	148,155	-----	232,737	W
Massachusetts-----	2,767	3,421	6,274	W	3,035	1,370
Michigan-----	370,714	315,171	640,044	6,470	371,776	545,521
Minnesota-----	17,025	14,755	26,051	W	91,989	30,780
Mississippi-----	W	W	W	-----	W	-----
Missouri-----	76,046	22,832	103,063	W	170,980	1,302
Montana-----	W	-----	-----	-----	W	-----
Nebraska-----	W	W	W	W	W	W
Nevada-----	W	-----	W	-----	W	W
New Hampshire-----	W	W	W	-----	W	W
New Jersey-----	37,399	10,430	49,601	410	45,845	4,162
New York-----	58,001	44,353	87,778	25,020	339,313	22,603
North Carolina-----	10,014	W	11,872	-----	3,438	W
Ohio-----	426,378	503,213	813,961	85,478	1,161,035	754,877
Oklahoma-----	19,805	4,795	30,988	-----	28,832	380
Oregon-----	9,919	W	13,307	W	12,057	W
Pennsylvania-----	519,087	714,474	1,140,684	123,382	1,659,461	1,208,468
Rhode Island-----	3,500	3,496	8,208	W	5,321	158
South Carolina-----	2,291	W	4,396	-----	1,021	W
Tennessee-----	37,895	19,507	55,153	736	16,195	6,323
Texas-----	136,325	102,653	237,559	5,739	244,637	7,549
Utah-----	W	W	W	W	W	W
Vermont-----	848	691	1,342	-----	2,210	400
Virginia-----	20,524	13,511	33,940	W	33,190	W
Washington-----	35,965	6,692	43,192	869	84,266	23
West Virginia-----	29,212	67,978	118,997	-----	89,947	184,677
Wisconsin-----	39,788	34,200	70,473	2,537	28,784	10,204
Undistributed-----	85,941	74,502	163,074	24,149	314,082	444,818
Total-----	2,833,651	3,201,268	5,623,517	384,792	7,898,473	5,145,867

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, September 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-----	15,792	72,114	33,647	1,076	1,081	44,174	1,008	71,551	10,083
Arizona-----	W	W	-----	-----	-----	W	W	W	W
Arkansas-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
California-----	3,598	46,428	5,229	1,385	7,412	96,212	649	35,686	13,010
Colorado-----	2,977	54,710	-----	2,802	3,890	-----	275	2,118	16,713
Connecticut-----	2,888	237	62	-----	140	425	2,752	1,986	439
Delaware-----	W	W	-----	W	-----	W	W	-----	-----
Florida-----	W	-----	-----	-----	-----	W	-----	-----	-----
Georgia-----	206	31,335	8,329	-----	-----	10,775	-----	1,680	-----
Illinois-----	59,248	207,981	25,096	22,153	19,476	153,297	7,285	76,234	7,187
Indiana-----	10,832	236,864	17,941	4,523	522	116,756	4,345	38,668	54,015
Iowa-----	4,015	8,671	6,133	8,431	388	2,661	16	17,691	3,522
Kansas-----	4,366	-----	-----	-----	W	W	-----	748	-----
Kentucky-----	-----	42,554	-----	5,776	-----	14,335	4,827	10,332	8,449
Louisiana-----	W	-----	-----	-----	-----	W	-----	-----	-----
Maine-----	W	-----	-----	-----	-----	-----	-----	-----	-----
Maryland-----	1,212	W	-----	W	-----	W	7,660	21,964	20,116
Massachusetts-----	826	36	-----	W	-----	707	34	4,339	W
Michigan-----	31,805	96,421	17,708	6,129	27,038	185,174	5,458	242,754	27,557
Minnesota-----	1,481	12,928	W	W	-----	1,908	-----	5,898	367
Mississippi-----	-----	W	-----	-----	W	-----	-----	-----	-----
Missouri-----	502	77,407	-----	W	W	2,421	1,345	11,466	1,036
Montana-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Nebraska-----	W	-----	-----	-----	-----	W	-----	W	W
Nevada-----	W	-----	-----	-----	-----	-----	-----	W	-----
New Hampshire-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
New Jersey-----	1,610	8,407	9,469	-----	W	11,895	527	16,842	66
New York-----	3,767	5,881	6,462	1,182	4,754	12,120	7,207	45,960	445
North Carolina-----	W	10,123	-----	-----	-----	W	-----	1,122	-----
Ohio-----	53,041	255,944	43,267	42,195	18,591	136,578	46,037	186,167	32,141
Oklahoma-----	W	W	-----	-----	-----	W	-----	W	W
Oregon-----	-----	-----	W	-----	-----	-----	W	-----	-----
Pennsylvania-----	28,587	564,264	4,733	29,195	3,181	181,211	99,274	159,190	71,049
Rhode Island-----	-----	W	-----	-----	-----	951	W	W	W
South Carolina-----	W	-----	-----	W	-----	W	-----	2,741	-----
Tennessee-----	7,513	W	W	-----	-----	W	-----	34,571	7,258
Texas-----	7,313	105,946	5,757	12,645	11,440	39,279	6,863	42,870	5,446
Utah-----	-----	W	W	-----	W	W	W	W	-----
Vermont-----	-----	W	-----	-----	-----	W	-----	W	-----
Virginia-----	4,629	W	W	-----	W	-----	-----	14,900	-----
Washington-----	2,180	24,018	2,483	55	8,095	2,282	891	2,297	W
West Virginia-----	151	23,612	5,505	233	1,012	75,641	674	939	W
Wisconsin-----	15,152	1,712	-----	1,335	391	13,779	289	32,156	5,659
Undistributed-----	2,410	216,047	11,777	2,289	31,702	49,474	8,834	24,172	19,756
Total-----	266,101	2,103,640	203,598	141,404	139,113	1,152,055	206,250	1,107,042	304,314

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 776,113 short tons in September compared with 550,637 tons in August. Exports of pig iron during September totaled 2,735 tons and 3,648 tons in August. Imports of scrap totaled 30,355 short tons in September compared with 21,779 tons in August. Of the scrap imported during September, 28,573 short tons came from Canada and 1,782 tons from other sources. Imports of pig iron totaled 52,605 short tons in September and 37,806 tons in August. In addition to the foregoing imports of pig iron during September there were 886 tons of sponge iron, valued at \$145,989 imported from Canada.

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

Country	SEPTEMBER 1971		Year to date	
	Short tons	Value	Short tons	Value
Canada-----	69,887	\$2,129,792	611,154	\$17,442,332
France-----	21	6,200	7,673	296,403
Italy-----	150,710	5,205,279	555,695	21,718,385
Japan-----	152,340	3,864,040	1,486,090	47,140,527
Korea-----	32,131	1,298,615	200,388	8,290,915
Mexico-----	48,806	1,692,559	393,092	14,263,821
Spain-----	86,046	2,073,951	496,608	17,218,905
Sweden-----	5,550	1,136,756	20,241	4,381,377
Taiwan-----	5,430	195,220	325,253	10,519,517
United Kingdom-----	54,054	2,167,114	322,058	12,239,715
Venezuela-----	61,773	1,184,576	190,630	4,825,859
Other Countries-----	109,365	3,448,482	356,012	13,700,776
Total-----	776,113	24,402,584	4,964,894	172,038,532

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	SEPTEMBER 1971		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-----	178,632	\$5,860,739	1,467,587	\$53,907,243
No. 2 heavy melting steel scrap-----	63,125	1,815,542	549,994	17,790,819
No. 1 bundles-----	49,427	1,787,333	175,459	6,591,379
No. 2 bundles-----	203,220	4,183,577	859,596	19,639,610
Borings, shovelings and turnings-----	42,258	870,117	272,279	6,174,662
Stainless steel-----	10,131	2,492,946	37,038	10,203,870
Shredded steel scrap-----	142,753	4,392,840	858,144	31,397,867
Iron scrap (excluding borings and shovelings)-	34,573	867,373	399,888	11,968,639
All other steel scrap <u>1/--</u>	51,994	2,132,117	344,909	14,364,443
Total-----	776,113	24,402,584	4,964,894	172,038,532
Ships, boats, and other vessels for breaking up (for scrapping)-----	40,214	502,423	353,999	6,077,876
Total-----	816,327	24,905,007	5,318,893	178,116,408

1/ Includes tin plate and terne plate.