



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 1969

Consumption of iron and steel scrap increased 8 percent from that for the previous month, while consumption of pig iron increased 7 percent, both increases reflecting the continued upward trend in steel production, according to the Bureau of Mines, U.S. Department of the Interior. Receipts of purchased scrap increased 11 percent while production of ferrous scrap and pig iron increased 5 and 6 percent, respectively. Stimulated by high steel production in Europe and Japan, exports of ferrous scrap exceeded 1 million tons for the third consecutive month and brought the year-to-date total to 7.5 million tons.

IMPORTANT: Surveillance responsibility for iron and steel scrap is being transferred from the Washington, D.C. offices of the Bureau of Mines to its Twin Cities, Minnesota facility. Please note the new point of contact, to become effective immediately : Iron and Steel Scrap Specialist, Twin Cities Office of Mineral Resources, Bureau of Mines, U. S. Department of the Interior, Post Office Box 1660, Twin Cities, Minnesota 55111. Telephone: 612-725-4535.

Prepared in Mineral Resource Evaluation, March 11, 1970

TABLE 1. - U.S. receipts, production, consumption, shipments and stocks of iron and steel scrap and pig iron, by type of manufacturer, October 1969
(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 -----	2,804,833	185,214	897,813	3,887,860	36,173,041
Production -----	4,383,760	100,928	550,061	5,034,749	46,761,861
Consumption by grades:					
Carbon steel-					
Low phosphorous plate and punchings	32,967	73,676	82,971	189,614	1,716,638
Cut structural and plate -----	36,838	17,988	84,333	139,159	1,297,481
No. 1 heavy melting steel -----	2,330,270	29,312	24,910	2,384,492	22,653,099
No. 2 heavy melting steel -----	539,562	325	22,267	562,154	5,401,098
No. 1 and electric furnace bundles	653,524	8,234	36,428	698,186	6,334,441
No. 2 and all other bundles -----	300,528	3,009	48,926	352,463	3,563,408
Turnings and borings -----	248,667	6,313	56,357	311,337	2,528,976
Slag scrap (Fe content) -----	331,275	313	2,679	334,267	3,140,376
Shredded or fragmented -----	60,317	3,632	9,253	73,202	674,450
All other carbon steel scrap -----	1,339,970	84,237	158,523	1,582,730	14,849,576
Stainless steel -----	87,044	3,345	2,385	92,774	848,932
Alloy steel (except stainless) -----	253,874	12,172	6,555	272,601	2,737,262
Cast iron (include borings) -----	529,687	28,500	802,528	1,360,715	12,039,129
Other grades of scrap -----	53,187	14,036	42,664	109,887	898,784
Total consumption -----	6,797,710	285,092	1,380,779	8,463,581	78,683,650
Shipments -----	474,563	4,376	42,712	521,651	5,372,622
Stocks end of month -----	5,789,741	272,073	814,582	6,876,396	---
FIG IRON:					
Receipts -----	528,206	9,426	344,650	882,282	7,255,211
Production -----	8,086,518	-	-	8,086,518	77,770,704
Consumption -----	7,905,751	8,971	338,347	8,253,069	78,597,156
Shipments -----	786,964	200	285	787,449	6,856,690
Stocks end of month -----	1,517,135	17,553	225,574	1,760,262	---

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 publication of monthly data.

TABLE 2. - U.S. salient iron and steel scrap and pig iron statistics, October 1969
(Short tons)

State	Receipts	Production	Consumption	Shipments	Stocks end of month	Pig iron consumption
Alabama -----	147,426	171,564	296,786	18,609	213,790	379,010
Arizona -----	W	W	W	W	W	-
Arkansas -----	W	-	W	-	W	-
California -----	150,102	123,748	262,289	6,103	229,245	207,848
Colorado -----	W	W	W	-	W	W
Connecticut ---	9,981	6,574	15,415	1,662	13,001	1,777
Delaware -----	W	W	W	W	W	W
Florida -----	W	W	W	-	W	W
Georgia -----	W	W	W	W	W	W
Illinois -----	384,337	444,024	811,106	64,235	791,268	648,021
Indiana -----	312,998	732,684	1,019,158	94,563	564,340	1,078,879
Iowa -----	48,543	17,839	61,114	226	44,714	3,733
Kansas -----	5,312	3,618	9,214	W	4,033	281
Kentucky -----	55,049	73,379	116,346	7,487	122,012	W
Louisiana -----	W	W	W	W	W	W
Maine -----	W	W	W	-	W	W
Maryland -----	75,162	250,717	295,517	12,501	139,077	W
Massachusetts	5,075	5,659	10,318	140	4,634	2,452
Michigan -----	425,168	411,125	803,948	20,488	450,307	674,338
Minnesota -----	17,471	20,130	36,983	985	77,661	W
Mississippi ---	W	W	W	-	W	-
Missouri -----	70,765	28,264	92,876	640	189,946	1,813
Montana -----	W	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 ----	46,132	14,136	62,991	1,742	58,869	7,101
New York -----	149,998	236,856	352,316	9,404	379,571	550,858
North Carolina-	14,184	6,275	22,297	-	20,649	3,328
Ohio -----	711,375	892,812	1,557,160	111,045	937,697	1,435,625
Oklahoma -----	24,806	4,713	24,709	-	34,289	1,340
Oregon -----	11,015	5,068	17,032	408	21,305	W
Pennsylvania --	665,096	1,114,482	1,593,501	136,354	1,751,295	2,031,083
Rhode Island --	10,657	2,727	9,338	146	15,900	911
South Carolina-	1,960	2,692	4,687	-	920	W
Tennessee -----	23,600	19,444	41,462	1,550	12,176	12,515
Texas -----	172,745	152,794	311,746	18,748	263,132	16,672
Utah -----	12,274	65,408	91,444	3,018	175,463	140,287
Vermont -----	1,349	1,011	2,277	215	2,067	671
Virginia -----	23,779	20,047	43,924	920	21,074	W
Washington ----	43,280	13,506	59,602	911	71,326	W
West Virginia -	78,975	86,817	151,680	84	92,314	236,594
Wisconsin -----	45,538	52,287	92,489	6,915	35,447	15,088
Undistributed--	143,708	54,349	193,856	2,552	138,874	802,844
Total U.S. --	3,887,860	5,034,749	8,463,581	521,651	6,876,396	8,253,069

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

TABLE 3. - U.S. consumption of iron and steel scrap by grades, October 1969
(Short tons)

State	CARBON STEEL						Stainless & alloy steel plate	Cast iron (include borings)	Other grades of scrap including slag
	Low phos., cut struc- tural, and plate	No. 1 & 2 heavy melt- ing steel	No. 1-2 & all other bundles	Turnings & borings	Shredded or Fragmentized	All other carbon steel			
Alabama -----	14,933	100,325	46,270	1,049	99	51,843	2,422	72,429	7,416
Arizona -----	W	-	W	-	-	W	W	W	W
Arkansas -----	-	-	-	-	-	-	-	-	-
California -----	4,048	56,237	32,672	7,871	5,445	98,785	1,195	39,666	16,370
Colorado -----	W	W	-	W	-	W	W	W	W
Connecticut -----	4,192	752	56	-	-	712	5,211	4,111	-
Delaware -----	W	W	W	W	W	W	-	W	-
Florida -----	W	-	W	-	-	W	-	W	-
Georgia -----	W	W	W	-	-	W	-	W	-
Illinois -----	46,930	234,891	157,908	22,664	7,704	213,230	13,040	105,366	9,373
Indiana -----	13,157	503,940	105,486	40,333	-	155,496	9,337	123,654	67,755
Iowa -----	5,678	9,738	5,790	13,047	1,154	5,554	48	16,226	3,879
Kansas -----	4,230	-	-	-	W	W	-	-	W
Kentucky -----	-	59,785	12,132	5,695	-	18,187	4,141	13,105	3,301
Louisiana -----	W	-	-	-	-	W	-	-	-
Maine -----	W	-	-	-	-	-	-	W	-
Maryland -----	3,256	W	31,919	W	2,029	W	9,116	24,079	28,106
Massachusetts -----	1,802	74	W	W	-	654	W	7,093	W
Michigan -----	26,279	42,845	153,041	16,402	15,566	260,831	11,589	237,407	39,988
Minnesota -----	2,924	18,626	W	W	W	2,192	W	4,085	W
Mississippi -----	-	-	W	W	W	W	-	-	-
Missouri -----	3,951	59,329	W	W	W	3,067	1,244	15,154	1,350
Montana -----	-	W	-	-	-	W	-	W	W
Nebraska -----	W	-	-	-	-	-	-	W	-
Nevada -----	W	-	-	-	-	-	-	W	-
New Hampshire -----	-	W	-	-	-	-	-	-	-
New Jersey -----	7,364	3,022	16,161	W	W	9,486	832	23,280	526
New York -----	4,539	144,171	25,233	7,004	995	47,612	14,679	69,624	38,459
North Carolina -----	W	-	W	-	-	W	-	11,192	-
Ohio -----	92,773	493,934	182,778	106,233	40	259,988	100,395	245,668	75,351
Oklahoma -----	-	W	-	-	-	W	-	W	W
Oregon -----	-	W	W	-	-	W	W	W	-
Pennsylvania -----	35,689	719,715	142,530	46,198	83	213,985	176,208	167,329	91,764
Rhode Island -----	W	W	W	-	-	1,664	W	2,207	W
South Carolina -----	-	-	-	-	-	W	-	3,866	-
Tennessee -----	7,772	W	W	-	-	W	-	25,945	5,300
Texas -----	9,462	109,579	20,663	32,274	W	67,887	5,588	41,855	8,245
Utah -----	W	W	W	W	W	W	W	W	-
Vermont -----	-	W	-	-	-	W	-	W	-
Virginia -----	7,200	W	W	-	W	-	W	23,071	-
Washington -----	3,000	25,397	9,287	782	8,852	3,036	981	7,137	W
West Virginia -----	W	12,145	W	277	-	526	526	3,348	W
Wisconsin -----	21,919	980	-	1,778	-	17,884	238	37,114	12,576
Undistributed -----	7,675	351,161	108,723	9,730	31,235	150,637	8,585	36,704	34,395
U. S. Total -----	328,773	2,946,646	1,050,649	311,337	73,202	1,582,730	365,375	1,360,715	444,154

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

FOREIGN TRADE

Exports of iron and steel scrap totaled 1,023,427 short tons in October compared with 1,037,685 tons in September. Exports of pig iron during October totaled 579 tons and 113 tons in September. Imports of scrap totaled 22,485 short tons in October compared with 36,833 tons in September. Of the scrap imported during October, 22,354 short tons came from Canada and 131 tons from other sources. Imports of pig iron totaled 37,910 short tons in October and 42,437 tons in September. In addition to the foregoing imports of pig iron during October, there were 1,139 tons of sponge iron, valued at 137,805 imported, of which 369 tons came from Canada and 770 tons from Sweden.

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

Country	October 1969		Year to date	
	Short tons	Value	Short tons	Value
Canada -----	69,987	\$1,605,081	484,423	\$11,587,315
Hong Kong -----	12,002	211,750	12,598	372,639
Italy -----	101,757	2,782,654	807,297	23,729,226
Japan -----	481,092	13,641,604	3,441,906	98,961,849
Korea -----	28,844	1,393,002	488,326	17,457,371
Mexico -----	52,783	1,943,744	494,398	16,819,454
Spain -----	95,330	3,023,348	882,017	22,618,254
Sweden -----	55,615	3,270,993	172,315	18,865,602
Taiwan -----	6,052	380,323	79,577	2,983,091
United Kingdom -----	53,615	1,830,480	290,812	9,511,356
West Germany -----	41,835	1,712,793	76,562	4,728,604
Other Countries -----	24,515	829,798	271,843	10,424,622
Total -----	1,023,427	32,625,570	7,502,074	238,059,383

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

Grades of scrap	October 1969		Year to date	
	Short tons	Value	Short tons	Value
No. 1 heavy melting steel scrap-	349,384	\$12,386,585	2,891,023	\$93,749,929
No. 2 heavy melting steel scrap-	94,650	3,180,278	799,565	22,959,288
No. 1 bundles -----	129,639	4,634,351	504,628	16,283,777
No. 2 bundles -----	64,708	1,558,632	880,278	17,950,104
Borings, shovelings & turnings--	181,496	2,265,511	642,534	10,547,770
Iron scrap -----	77,210	2,756,234	502,261	16,075,714
Stainless steel scrap -----	4,326	1,653,242	73,214	22,146,671
All other scrap 1/ -----	122,014	4,190,737	1,208,571	38,346,130
Total -----	1,023,427	32,625,570	7,502,074	238,059,383

1/ Includes tin plate and terne plate.