



# MINERAL INDUSTRY SURVEYS

U. S. DEPARTMENT OF THE INTERIOR  
BUREAU OF MINES  
WASHINGTON 25, D. C.



Stewart L. Udall, Secretary

Marling J. Ankeny, Director

Iron and Steel Scrap,  
Monthly

## IRON AND STEEL SCRAP IN JANUARY 1963 (Final Data)

The domestic use of iron and steel scrap for all purposes during January 1963 rose 4 percent over December 1962 and was the largest quantity used since April 1962, according to data compiled by the Bureau of Mines, U.S. Department of the Interior. The use of pig iron during January was 6 percent greater than the preceding month, but was 19 percent less than during January 1962. The total charge of iron and steel scrap and pig iron (11,356,856 short tons) consisted of 50 percent each of scrap and pig iron, unchanged from December.

The use of iron and steel scrap in steelmaking furnaces, (basic oxygen converter, Bessemer, open-hearth and electric) totaled 4,295,137 short tons, an increase of 3 percent over December and the largest quantity used since April 1962. The total metallics used in steel furnaces (9,423,180 short tons) consisted of 46 percent scrap and 54 percent pig iron during January, unchanged for the sixth consecutive month. Scrap made up 40 percent of the open-hearth charge in January, compared with 42 percent in December. Electric furnaces utilized 1,039,823 tons of scrap during January, an increase of 21 percent over the preceding month.

Table 1 - Production, receipts, consumption, and consumers' stocks of iron and steel scrap and pig iron, August 1962 through January 1963, in short tons

| Date         | Scrap for consumption |                                |           | Consumption |           | Consumers' stocks at end of month |                        |
|--------------|-----------------------|--------------------------------|-----------|-------------|-----------|-----------------------------------|------------------------|
|              | Home scrap produced   | Purchased scrap received (net) | Total     | Scrap       | Pig iron  | Scrap                             | Pig iron <sup>1/</sup> |
| Aug. 1962--  | 3,045,790             | 1,844,693                      | 4,890,483 | 4,967,006   | 4,756,907 | 9,198,977                         | 3,367,594              |
| Sept. 1962-- | 2,984,759             | 1,721,329                      | 4,706,088 | 5,024,769   | 4,824,504 | 8,883,964                         | 3,265,605              |
| Oct. 1962--  | 3,240,636             | 2,289,117                      | 5,529,753 | 5,509,179   | 5,212,634 | 8,916,418                         | 3,150,370              |
| Nov. 1962--  | 3,252,014             | 2,163,102                      | 5,415,116 | 5,517,022   | 5,206,730 | 8,806,508                         | 3,075,020              |
| Dec. 1962--  | 3,138,301             | 2,113,016                      | 5,251,317 | 5,454,253   | 5,356,383 | 8,592,426                         | 3,124,846              |
| Jan. 1963--  | 3,346,813             | 2/2,168,912                    | 5,515,725 | 5,680,355   | 5,676,501 | 8,306,842                         | 3,039,859              |

<sup>1/</sup> Suppliers' stocks included with consumers' stocks.

<sup>2/</sup> Excludes 197,774 short tons of scrap shipped, transferred, or otherwise disposed of during the month.

Prepared by James E. Larkin and Joseph H. Bilbrey, Jr., June 11, 1963 under the supervision of F.J. Cservenyak, Chief, Branch of Ferrous Metals, Division of Minerals.

The use of scrap by gray iron foundries during January totaled 924,901 short tons, an increase of 4 percent over the previous month. Pig iron consumed by this industry was 10 percent greater than during December.

U.S. consumers' stocks of iron and steel scrap totaled 8,306,842 tons on January 31, and were equivalent to a 45-day supply at the January daily consumption rate. Pig iron stocks held by consumers and suppliers were 3 percent less than at the end of the preceding month.

Home scrap produced plus purchased scrap received during January totaled 5,515,725 tons, an increase of 5 percent over the quantity received during December. Net purchased scrap received by consumers was 3 percent greater than during December. Of the total purchased 81 percent was from dealers and 19 percent from other sources, unchanged from the previous month. (Purchased scrap received is a net figure computed by deducting scrap shipped, transferred, or otherwise disposed of by consumers from total scrap received from dealers and all others during the month.)

Table 2 - Production and receipts of iron and steel scrap by major consuming industries plants, August 1962 through January 1963, in short tons

| Date           | Home scrap produced                |                         |                                        | Purchased scrap received (net) 1/  |                         |                                        |
|----------------|------------------------------------|-------------------------|----------------------------------------|------------------------------------|-------------------------|----------------------------------------|
|                | Mfgs. of steel ingots and castings | Mfgs. of steel castings | Iron foundries and miscellaneous users | Mfgs. of steel ingots and castings | Mfgs. of steel castings | Iron foundries and miscellaneous users |
| August-----    | 2,546,648                          | 108,464                 | 390,678                                | 1,213,855                          | 139,590                 | 491,248                                |
| September----- | 2,458,374                          | 102,693                 | 423,692                                | 1,115,247                          | 123,501                 | 482,581                                |
| October-----   | 2,656,663                          | 107,862                 | 476,111                                | 1,575,839                          | 139,192                 | 574,086                                |
| November-----  | 2,685,913                          | 102,105                 | 463,996                                | 1,492,501                          | 131,832                 | 538,769                                |
| December-----  | 2,617,979                          | 92,592                  | 427,730                                | 1,493,073                          | 118,393                 | 501,550                                |
| January-----   | 2,780,711                          | 111,802                 | 454,300                                | 1,535,047                          | 117,703                 | 516,162                                |

1/ Excludes scrap shipped, transferred or otherwise disposed of during the month.

Table 3 - Consumer stocks, production, receipts, consumption and shipments of iron and steel scrap, by grades, January 1963, in short tons

| Grades of scrap                        | Stocks at beginning of month 1/ | Home scrap produced | Purchased scrap received 2/ | Consumption | Shipments | Stocks at end of month |
|----------------------------------------|---------------------------------|---------------------|-----------------------------|-------------|-----------|------------------------|
| Steel scrap, excludes rerolling rails: |                                 |                     |                             |             |           |                        |
| Carbon-----                            | 6,544,265                       | 2,476,929           | 1,837,314                   | 4,306,977   | 127,712   | 6,423,819              |
| Alloy, excludes stainless-----         | 421,955                         | 171,471             | 50,054                      | 225,370     | 6,685     | 411,425                |
| Stainless-----                         | 139,343                         | 36,236              | 18,530                      | 54,655      | 1,085     | 138,369                |
| Cast iron, includes borings-----       | 1,365,909                       | 662,177             | 460,788                     | 1,093,353   | 62,292    | 1,333,229              |
| Total-----                             | 8,471,472                       | 3,346,813           | 2,366,686                   | 5,680,355   | 197,774   | 8,306,842              |

1/ Revised.

2/ Purchased scrap received from dealers and all others.

Table 4 - Home scrap produced by source, by type of manufacturers, during January 1963, in short tons

|                                            | Source of scrap     |             |                          | Total     |
|--------------------------------------------|---------------------|-------------|--------------------------|-----------|
|                                            | Recirculating<br>1/ | Obsolete 2/ | Other, including<br>slag |           |
| Manufacturers of steel ingots and castings | 2,473,749           | 211,561     | 95,401                   | 2,780,711 |
| Manufacturers of steel castings-----       | 111,335             | 449         | 18                       | 111,802   |
| Iron foundries and miscellaneous users--   | 451,919             | 1,871       | 510                      | 454,300   |
| Total-----                                 | 3,037,003           | 213,881     | 95,929                   | 3,346,813 |

1/ Includes home, plant, or recycled iron and steel scrap.

2/ Includes molds, stools, machinery, and buildings; excludes rerolling rails.

Table 5 - Consumption of iron and steel scrap at major consuming industries' plants during January 1963, and consumption year to date, by grades, in short tons

| Grades of scrap<br>(excludes rerolling rails) | Mfgs. of<br>steel ingots<br>and castings | Mfgs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total<br>consumption |
|-----------------------------------------------|------------------------------------------|-------------------------------|------------------------------------------------|----------------------|
| Steel scrap:                                  |                                          |                               |                                                |                      |
| Carbon-----                                   | 3,808,063                                | 207,117                       | 291,797                                        | 4,306,977            |
| Alloy (excludes stainless)-----               | 206,005                                  | 9,747                         | 9,618                                          | 225,370              |
| Stainless-----                                | 49,816                                   | 2,411                         | 2,428                                          | 54,655               |
| Cast iron, includes borings-----              | 399,784                                  | 26,447                        | 667,122                                        | 1,093,353            |
| Total-----                                    | 4,463,668                                | 245,722                       | 970,965                                        | 5,680,355            |

Table 6 - Stocks of iron and steel scrap and pig iron on hand at major consuming industries' plants,  
at end of month, in short tons

| Date            | Scrap stocks                             |                               |                                                |           | Pig iron stocks                          |                               |                                                |           |
|-----------------|------------------------------------------|-------------------------------|------------------------------------------------|-----------|------------------------------------------|-------------------------------|------------------------------------------------|-----------|
|                 | Mfgs. of<br>steel ingots<br>and castings | Mfgs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     | Mfgs. of<br>steel ingots<br>and castings | Mfgs. of<br>steel<br>castings | Iron foundries<br>and miscel-<br>laneous users | Total     |
| Aug. 31, 1962-  | 7,933,037                                | 414,523                       | 851,417                                        | 9,198,977 | 2,909,351                                | 34,451                        | 423,501                                        | 3,367,303 |
| Sept. 30, 1962- | 7,627,423                                | 418,548                       | 837,993                                        | 8,883,964 | 2,812,759                                | 32,835                        | 420,011                                        | 3,265,605 |
| Oct. 31, 1962-  | 7,634,911                                | 431,045                       | 850,462                                        | 8,916,418 | 2,691,582                                | 30,617                        | 428,171                                        | 3,150,370 |
| Nov. 30, 1962-  | 7,520,898                                | 435,993                       | 849,617                                        | 8,806,508 | 2,603,829                                | 29,478                        | 441,713                                        | 3,075,020 |
| Dec. 31, 1962-  | 7,300,562                                | 426,736                       | 865,128                                        | 8,592,426 | 2,648,683                                | 27,514                        | 448,649                                        | 3,124,846 |
| Jan. 31, 1963-  | 7,108,086                                | 411,601                       | 787,155                                        | 8,306,842 | 2,580,474                                | 28,160                        | 431,225                                        | 3,039,859 |

Table 7 - Consumers receipts and total consumption of iron and steel scrap,  
by grades, during January 1963, in short tons

| Grades of scrap<br>(excludes rerolling rails) | Receipts during the month |                |           | Total<br>consumption |
|-----------------------------------------------|---------------------------|----------------|-----------|----------------------|
|                                               | From<br>dealers           | From<br>others | Total     |                      |
| Carbon steel:                                 | 147,448                   | 19,593         | 167,041   | 228,010              |
| Low phosphorus plate and punchings----        | 44,144                    | 4,070          | 48,214    | 75,421               |
| Cut structurals and plate-----                | 4,312                     | 3,997          | 8,309     | 11,143               |
| Steel car wheels-----                         | 315,089                   | 90,987         | 406,076   | 1,734,668            |
| No. 1 heavy melting-----                      | 316,482                   | 118,629        | 435,111   | 507,014              |
| No. 1 and electric furnace bundles-----       | 317,749                   | 38,030         | 355,779   | 460,895              |
| No. 2 and all other bundles-----              | 158,184                   | 13,394         | 171,578   | 209,788              |
| Turnings and borings-----                     | 16,233                    | 11,282         | 27,515    | 167,696              |
| Slag scrap (Fe content)-----                  | 216,220                   | 74,801         | 291,021   | 974,098              |
| All other carbon steel scrap-----             | 20,663                    | 10,454         | 31,117    | 203,498              |
| Alloy steel, excludes stainless-----          | 14,856                    | 2,432          | 17,288    | 55,806               |
| Stainless steel-----                          | 49,953                    | 14,817         | 64,770    | 135,055              |
| Cast iron: Borings-----                       | 285,682                   | 57,185         | 342,867   | 917,263              |
| All other cast iron scrap-----                |                           |                |           |                      |
| Total-----                                    | 1,907,015                 | 459,671        | 2,366,686 | 5,680,355            |

Table 8 - Consumers' production, receipts, consumption and stocks of iron and steel scrap, and consumption of pig iron in the United States, by districts and States, January 1963, in short tons

| District and State                                  | Home scrap produced | Total purchased scrap received 1/ | Consumption by grades                    |                                  |                 |                              |                  | Scrap stocks Jan. 31 | Pig iron consumption |
|-----------------------------------------------------|---------------------|-----------------------------------|------------------------------------------|----------------------------------|-----------------|------------------------------|------------------|----------------------|----------------------|
|                                                     |                     |                                   | Carbon steel (excludes re-rolling rails) | Alloy steel (excludes stainless) | Stainless steel | Cast iron (includes borings) | Total scrap      |                      |                      |
| <b>New England:</b>                                 |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Connecticut, Massachusetts, and Rhode Island        | 16,501              | 21,120                            | 14,049                                   | 884                              | 2,033           | 17,425                       | 34,391           | 41,191               | 11,043               |
| Maine, New Hampshire, and Vermont                   | 1,022               | 2,136                             | 433                                      | -                                | -               | 2,116                        | 2,549            | 2,807                | 632                  |
| <b>Total</b>                                        | <b>17,523</b>       | <b>23,256</b>                     | <b>14,482</b>                            | <b>884</b>                       | <b>2,033</b>    | <b>19,541</b>                | <b>36,940</b>    | <b>43,998</b>        | <b>11,675</b>        |
| <b>Middle Atlantic:</b>                             |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| New Jersey                                          | 15,909              | 42,423                            | 19,017                                   | 805                              | 599             | 34,350                       | 54,771           | 60,572               | 9,750                |
| New York                                            | 152,131             | 75,575                            | 194,370                                  | 8,558                            | 4,174           | 44,848                       | 251,950          | 643,649              | 280,861              |
| Pennsylvania (East) 2/                              | 201,041             | 124,419                           | 244,348                                  | 38,363                           | 2,170           | 33,027                       | 317,908          | 601,645              | 400,836              |
| Pennsylvania (West)                                 | 507,311             | 213,083                           | 518,172                                  | 52,809                           | 24,499          | 91,186                       | 686,666          | 1,242,561            | 952,749              |
| <b>Total</b>                                        | <b>876,392</b>      | <b>455,500</b>                    | <b>975,907</b>                           | <b>100,535</b>                   | <b>31,442</b>   | <b>203,411</b>               | <b>1,311,295</b> | <b>2,548,427</b>     | <b>1,644,196</b>     |
| <b>East North Central:</b>                          |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Illinois                                            | 309,867             | 322,208                           | 522,921                                  | 14,118                           | 1,872           | 108,652                      | 647,563          | 929,492              | 386,981              |
| Indiana                                             | 431,925             | 191,835                           | 564,079                                  | 5,894                            | 1,187           | 82,244                       | 653,404          | 728,737              | 799,899              |
| Michigan                                            | 340,076             | 292,126                           | 369,078                                  | 3,258                            | 7,066           | 246,054                      | 625,456          | 435,103              | 556,750              |
| Ohio (East) 3/                                      | 444,733             | 272,167                           | 575,571                                  | 82,533                           | 3,227           | 75,466                       | 736,797          | 954,690              | 785,884              |
| Ohio (West)                                         | 150,986             | 70,629                            | 152,487                                  | 1,043                            | 35              | 59,177                       | 212,742          | 183,287              | 201,800              |
| Wisconsin                                           | 46,229              | 37,034                            | 36,452                                   | 416                              | 429             | 35,656                       | 72,953           | 56,403               | 15,021               |
| <b>Total</b>                                        | <b>1,723,816</b>    | <b>1,185,999</b>                  | <b>2,220,588</b>                         | <b>107,262</b>                   | <b>13,816</b>   | <b>607,249</b>               | <b>2,948,915</b> | <b>3,287,712</b>     | <b>2,746,335</b>     |
| <b>West North Central:</b>                          |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Iowa                                                | 17,508              | 27,336                            | 23,813                                   | -                                | -               | 20,758                       | 44,571           | 33,451               | 7,524                |
| Kansas and Nebraska                                 | 2,820               | 3,902                             | 5,327                                    | -                                | -               | 2,662                        | 7,994            | 18,581               | 420                  |
| Minnesota                                           | 19,933              | 8,281                             | 22,675                                   | 1,057                            | 102             | 11,960                       | 35,175           | 71,190               | 36,695               |
| Missouri                                            | 16,550              | 55,098                            | 62,035                                   | -                                | -               | 12,318                       | 74,967           | 153,537              | 2,440                |
| <b>Total</b>                                        | <b>56,811</b>       | <b>94,617</b>                     | <b>113,850</b>                           | <b>1,057</b>                     | <b>102</b>      | <b>47,698</b>                | <b>162,707</b>   | <b>276,759</b>       | <b>47,079</b>        |
| <b>South Atlantic:</b>                              |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Delaware and Maryland                               | 174,596             | 26,218                            | 118,790                                  | 1,171                            | 5,101           | 14,320                       | 139,382          | 536,636              | 386,340              |
| Florida and Georgia                                 | 9,709               | 24,179                            | 31,789                                   | -                                | -               | 2,656                        | 34,445           | 41,938               | 1,074                |
| North Carolina and South Carolina                   | 3,160               | 6,814                             | 710                                      | -                                | -               | 9,249                        | 10,082           | 8,789                | 4,443                |
| Virginia and West Virginia                          | 72,707              | 95,009                            | 158,879                                  | 244                              | -               | 15,203                       | 174,203          | 85,405               | 181,332              |
| <b>Total</b>                                        | <b>260,172</b>      | <b>152,220</b>                    | <b>310,168</b>                           | <b>1,415</b>                     | <b>5,101</b>    | <b>41,428</b>                | <b>358,112</b>   | <b>672,768</b>       | <b>573,189</b>       |
| <b>East South Central:</b>                          |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Alabama                                             | 110,354             | 95,792                            | 169,913                                  | 4,476                            | 4/-             | 50,948                       | 220,904          | 267,713              | 235,261              |
| Kentucky, Mississippi, and Tennessee                | 49,509              | 88,977                            | 102,285                                  | -                                | 4/-             | 31,894                       | 140,181          | 184,850              | 73,699               |
| <b>Total</b>                                        | <b>159,863</b>      | <b>184,769</b>                    | <b>272,198</b>                           | <b>4,476</b>                     | <b>4/-</b>      | <b>82,842</b>                | <b>361,085</b>   | <b>452,563</b>       | <b>308,960</b>       |
| <b>West South Central:</b>                          |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Arkansas, Louisiana, and Oklahoma                   | 4,073               | 8,982                             | 9,479                                    | -                                | -               | 3,016                        | 12,495           | 32,860               | 751                  |
| Texas                                               | 63,370              | 58,102                            | 94,579                                   | 3,098                            | 4/-             | 29,783                       | 127,480          | 238,431              | 38,039               |
| <b>Total</b>                                        | <b>67,443</b>       | <b>67,084</b>                     | <b>104,058</b>                           | <b>3,098</b>                     | <b>4/-</b>      | <b>32,799</b>                | <b>139,975</b>   | <b>271,291</b>       | <b>38,790</b>        |
| <b>Rocky Mountain:</b>                              |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| Arizona, Colorado, Idaho, Montana, Nevada, and Utah | 74,055              | 60,924                            | 110,415                                  | 3,626                            | -               | 22,771                       | 136,812          | 222,577              | 167,832              |
| <b>Total</b>                                        | <b>74,055</b>       | <b>60,924</b>                     | <b>110,415</b>                           | <b>3,626</b>                     | <b>-</b>        | <b>22,771</b>                | <b>136,812</b>   | <b>222,577</b>       | <b>167,832</b>       |
| <b>Pacific Coast:</b>                               |                     |                                   |                                          |                                  |                 |                              |                  |                      |                      |
| California and Hawaii                               | 100,307             | 107,578                           | 148,188                                  | 1,320                            | 123             | 33,246                       | 182,877          | 410,434              | 138,220              |
| Oregon and Washington                               | 10,431              | 34,739                            | 37,123                                   | 1,697                            | 449             | 2,368                        | 41,637           | 120,313              | 225                  |
| <b>Total</b>                                        | <b>110,738</b>      | <b>142,317</b>                    | <b>185,311</b>                           | <b>3,017</b>                     | <b>572</b>      | <b>35,614</b>                | <b>224,514</b>   | <b>530,747</b>       | <b>138,445</b>       |
| <b>U.S. total</b>                                   | <b>3,346,813</b>    | <b>2,366,686</b>                  | <b>4,306,977</b>                         | <b>225,370</b>                   | <b>54,655</b>   | <b>1,093,353</b>             | <b>5,680,355</b> | <b>8,306,842</b>     | <b>5,676,501</b>     |

1/ Includes 197,774 short tons that was shipped, transferred or otherwise disposed of during the month.

2/ Pennsylvania is divided into East and West by the eastern boundary of the following counties: McKean, Cameron, Clearfield, Cambria, and Somerset.

3/ Ohio is divided into East and West by the eastern boundary of the following counties: Ottawa, Sandusky, Seneca, Crawford, Morrow, Delaware, Franklin, Pickaway, Ross, Pike, and Scioto.

4/ Figures withheld to avoid disclosing individual company confidential data; included in U.S. total.

CONSUMPTION OF IRON AND STEEL SCRAP AND PIG IRON

Consumption of scrap in January totaled 5,680,355 short tons which was at an average daily rate of 183,237 tons or 1 percent greater than for the year 1962.

In January, open-hearth furnaces used 53 percent of the total scrap, and 79 percent of the pig iron compared with 57 and 80 percent, respectively, in December 1962; electric furnaces in January used 9 percent of the combined total of iron and steel scrap and pig iron charged to all furnaces, with open-hearth using 66 percent. During 1962, these percentages were 8 and 69 percent, respectively. Blast furnaces used 5 percent of the total scrap; the corresponding percentage for the year 1962 was 6.

During January, steel-making furnaces (open-hearth, Bessemer, basic oxygen converter, and electric) accounted for 76 percent of the total scrap, and 90 percent of the pig iron consumed, compared with 76 and 91 percent, respectively, during December 1962. In 1962, steel-making furnaces used 75 percent of the total scrap, and 91 percent of the pig iron. The remainder was used in iron-making furnaces, principally the cupola. Consumption by type of furnace during January is shown in the following table:

Table 9 - Consumption of iron and steel scrap and pig iron by type of manufacturers and furnaces during January 1963, in short tons

| Type of furnace or equipment | Steel ingots and castings 1/ |           | Steel castings 2/ |          | Iron foundries and miscellaneous users |          | Total     |           |
|------------------------------|------------------------------|-----------|-------------------|----------|----------------------------------------|----------|-----------|-----------|
|                              | Scrap                        | Pig iron  | Scrap             | Pig iron | Scrap                                  | Pig iron | Scrap     | Pig iron  |
| Basic oxygen converters 3/   | 218,206                      | 548,339   | -                 | -        | -                                      | -        | 218,206   | 548,339   |
| Bessemer converters          | 9,411                        | 97,856    | 885               | 11       | 103                                    | 17       | 10,399    | 97,884    |
| Open-hearth furnaces         | 2,981,409                    | 4,458,103 | 45,300            | 6,442    | -                                      | -        | 3,026,709 | 4,464,545 |
| Electric furnaces 4/         | 866,813                      | 10,042    | 149,206           | 2,674    | 23,804                                 | 4,559    | 1,039,823 | 17,275    |
| Total steelmaking furnaces   | 4,075,839                    | 5,114,340 | 195,391           | 9,127    | 23,907                                 | 4,576    | 4,295,137 | 5,128,043 |
| Blast furnaces 5/            | 305,542                      | -         | -                 | -        | -                                      | -        | 305,542   | -         |
| Cupola furnaces              | 76,126                       | 18,225    | 24,507            | 1,373    | 824,268                                | 268,187  | 924,901   | 287,785   |
| Air furnaces                 | 3,161                        | 1,124     | 25,824            | 3,391    | 83,786                                 | 10,843   | 112,771   | 15,358    |
| Direct castings              | -                            | 193,867   | -                 | -        | -                                      | 51,448   | -         | 245,315   |
| Ferro-alloy                  | -                            | -         | -                 | -        | 26,996                                 | -        | 26,996    | -         |
| Miscellaneous                | 3,000                        | -         | -                 | -        | 12,008                                 | -        | 15,008    | -         |
| Total Jan. 1963              | 4,463,668                    | 5,327,556 | 245,722           | 13,891   | 970,965                                | 335,054  | 5,680,355 | 5,676,501 |
| Total Dec. 1962              | 4,316,913                    | 5,008,720 | 220,193           | 12,658   | 917,147                                | 335,005  | 5,454,253 | 5,356,383 |
| Total Nov. 1962              | 4,290,868                    | 4,841,460 | 229,091           | 12,358   | 997,063                                | 352,912  | 5,517,022 | 5,206,730 |
| Total Oct. 1962              | 4,234,912                    | 4,810,963 | 235,007           | 14,415   | 1,039,260                              | 387,256  | 5,509,179 | 5,212,634 |
| Total Sept. 1962             | 3,879,900                    | 4,483,134 | 223,545           | 12,160   | 921,324                                | 329,210  | 5,024,769 | 4,824,504 |
| Total Aug. 1962              | 3,856,068                    | 4,435,561 | 238,575           | 13,188   | 872,363                                | 308,158  | 4,967,006 | 4,756,907 |

1/ Includes only those castings made by companies producing steel ingots.

2/ Excludes companies that produce both steel castings and steel ingots.

3/ Includes scrap and pig iron processed in metallurgical blast cupola and used in oxygen converter.

4/ Includes crucible furnaces.

5/ Includes consumption in all blast furnaces producing pig iron.

Table 10- Consumption of iron and steel scrap and pig iron in open-hearth furnaces in the United States, by districts and States, in short tons

| District and State                      | Consumption during January 1963 |           |              |
|-----------------------------------------|---------------------------------|-----------|--------------|
|                                         | Total scrap                     | Pig iron  | Total charge |
| New England and Middle Atlantic         |                                 |           |              |
| New Jersey and Rhode Island-----        | 16,515                          | 3,538     | 20,053       |
| New York-----                           | 171,042                         | 266,752   | 437,794      |
| Pennsylvania (East)-----                | 191,403                         | 362,088   | 553,491      |
| Pennsylvania (West)-----                | 434,625                         | 714,241   | 1,148,866    |
| Total-----                              | 813,585                         | 1,346,619 | 2,160,204    |
| East North Central                      |                                 |           |              |
| Illinois-----                           | 316,421                         | 314,990   | 631,411      |
| Indiana-----                            | 573,088                         | 761,710   | 1,334,798    |
| Michigan and Wisconsin-----             | 216,444                         | 251,757   | 468,201      |
| Ohio (East)-----                        | 374,485                         | 594,152   | 968,637      |
| Ohio (West)-----                        | 131,875                         | 187,977   | 319,852      |
| Total-----                              | 1,612,313                       | 2,110,586 | 3,722,899    |
| West North Central                      |                                 |           |              |
| Minnesota and Missouri-----             | 21,493                          | 33,188    | 54,681       |
| Total-----                              | 21,493                          | 33,188    | 54,681       |
| South Atlantic                          |                                 |           |              |
| Delaware, Maryland, and West Virginia-- | 241,773                         | 557,780   | 799,553      |
| Total-----                              | 241,773                         | 557,780   | 799,553      |
| East and West South Central             |                                 |           |              |
| Alabama, Kentucky, and Texas-----       | 201,352                         | 259,340   | 460,692      |
| Total-----                              | 201,352                         | 259,340   | 460,692      |
| Rocky Mountain and Pacific Coast        |                                 |           |              |
| California, Colorado, and Utah-----     | 136,193                         | 157,032   | 293,225      |
| Total-----                              | 136,193                         | 157,032   | 293,225      |
| United States, total-----               | 3,026,709                       | 4,464,545 | 7,491,254    |

# FOREIGN TRADE 1/

According to the Bureau of the Census, exports of iron and steel scrap totaled 145,427 short tons in January compared with 353,756 tons in December. During February 1963, the Office of Export Supply, U.S. Department of Commerce, issued scrap export licenses for 329,405 short tons. Exports of pig iron during January totaled 11,782 tons and 2,165 tons in December. Imports of scrap totaled 17,762 short tons in January compared with 20,013 tons in December. Of the scrap imported during January, 17,279 short tons came from Canada and 483 tons from other sources. Imports of pig iron totaled 4,873 short tons in January and 42,096 tons in December. In addition to the foregoing imports of pig iron during January, there were 413 tons of sponge iron, valued at \$48,645, imported, all from Canada.

Table 11 - Exports 2/ of iron and steel scrap from the United States, by countries (U.S. Department of Commerce)

| Country         | January 1963 |             |
|-----------------|--------------|-------------|
|                 | Short tons   | Value       |
| Canada-----     | 17,223       | \$512,442   |
| France-----     | -            | -           |
| Italy-----      | 43,379       | 1,063,447   |
| Japan-----      | 68,896       | 2,307,875   |
| Mexico-----     | 13,686       | 381,973     |
| Nicaragua-----  | 828          | 25,891      |
| Taiwan-----     | 1,151        | 33,369      |
| All others----- | 264          | 12,206      |
| Total-----      | 145,427      | \$4,337,203 |

Table 12 - Exports 2/ of iron and steel scrap from the United States, by grades (U.S. Department of Commerce)

| Grades of scrap                     | January 1963 |             |
|-------------------------------------|--------------|-------------|
|                                     | Short tons   | Value       |
| No. 1 heavy melting steel scrap---- | 51,438       | \$1,541,758 |
| No. 2 heavy melting steel scrap---- | 35,195       | 969,902     |
| No. 1 baled sheet melting scrap---- | 12,890       | 337,970     |
| No. 2 baled sheet melting scrap---- | 17,959       | 424,429     |
| Borings, shovelings, and turnings-- | 550          | 14,722      |
| Iron scrap-----                     | 5,475        | 190,246     |
| Rerolling material-----             | 11,626       | 574,833     |
| All other scrap 3/-----             | 10,294       | 283,343     |
| Total-----                          | 145,427      | \$4,337,203 |

1/ To conform with other data in this report, foreign trade data include tin plate scrap.

2/ Preliminary data subject to revision. Value may differ widely because of variations in quality, classes, and grade combinations.

3/ Includes tin plate and terne plate scrap.