years is probably a good deal below the and Steel Association. Total production number of similar steel foundries. The of open hearth steel castings in 1900 was ments. As a single case in point, out of many that might be cited, we need only name its much more general employment for rolls and housings. The iron found-still further increase the volume of the for rolls and housings. The iron tounders can hardly as yet be said to have much felt the pinch of steel castings, because of steel at Reading, Penn., writing of the the general conditions of trade have been so prosperous, but there are those who Bookwalter process, says: will be among the first to experience the effects of a slump. The true character and dimensions of the contest between the two metals cannot as yet be a sumply of the iron foundries. I have had a few years' experience in making steel castings by different processes almost constantly since 1877—namely, McHaffee. open hearth 2017 the two metals cannot as yet be accurately gauged, for many reasons. It is certain that iron founders are, and have for a long time past, been full of work, and there are many who believe that iron castings will long continue to hold their own. The British foundry interest would verter that will turn out about 5,000 do well to keep their eyes upon the course of events in the United States, where economic and manufacturing conditions are so readily responsive to new demands and improved and cheapened applications.

Regarding which the American Metal Market, a good authority, says: The statement above that there have

use of steel has recently replaced cast 177,491 tons, in 1901 it was 301,622 tons, ments. As a single case in point

namely, McHassee, open hearth, Robert, Tropenaz, and at the present time Bookwalter, which I consider under proper conditions superior to any known process. A visit to our plant will convince the most skeptical. I am willing to make a broad assertion that with a small conpounds of finished metal every half hour you can make any grade the open hearth people can, and also a great many that they cannot. For instance, after decarbonizing a 5,000 pound heat, you can make two or three different kinds of steel out of the one melted bath. Fol-Market, a good authority, says:

The statement above that there have been more steel foundries than iron foundries erected in the past few years is not true of this country. The growth of the steel casting industry in this country in the past year is shown by the following figures, compiled by the American Iron

In the analysis of three different grades of steel made out of one heat:

First ladle, 2,000 pounds, 0.10 car; mang. trace; sil., 0.01; second ladle, 2,000 pounds, car., 0.25; mang., 0.60; sil., 0.25; third ladle, 2,000 pounds, car., 0.60; interesting comparison of prices during the past few years. A clear idea may be obtained from these figures as to the figures, compiled by the American Iron lowing is the analysis of three different

people cannot make at all, for they could not get it out of the ladle; however, they might a scull. I claim the small converter will produce hotter steel, with more life to it than the open hearth, and the claim is not "fallacious." You can decarbonize one 5,000-pound heat, pour it into an open ladle, and hold the metal hot enough until you finish the second heat, then pour it into the same ladle and pour the entire mass into one mould over the lip of the ladle without any scull. You can take a small shank ladle with about 100 pounds of melted steel from the converter, let two men carry it about 75 feet, and pour it over the lip to the ladle, the same as you would iron, and have no scull. The open hearth people could not get it to run, even into a plain mould. We can run anything, from one ounce up. I predict in the near future that almost every steel casting plant will install a small converter for special grades of castings. Of course it requires constant attention and careful practice. I write this simply because the small converters have been ridiculed by different ones, when they did not understand or give them proper attention.

AMERICAN IRON.—In the American Iron and Steel Association's annual report, made public this week in its com-

PITT & SCOTT

LIMITED

Foreign Freight

Contractors

Forwarders

Through Bills of Lading to all parts of Europe, South Africa, Australia, Etc.

Invoices Collected Against Delivery.

Foreign Financial Reports, Trade Lists, Etc., Etc., furnished on application.

39 Broadway, New York 138 Milk St., Boston Agencies all over the World.

