

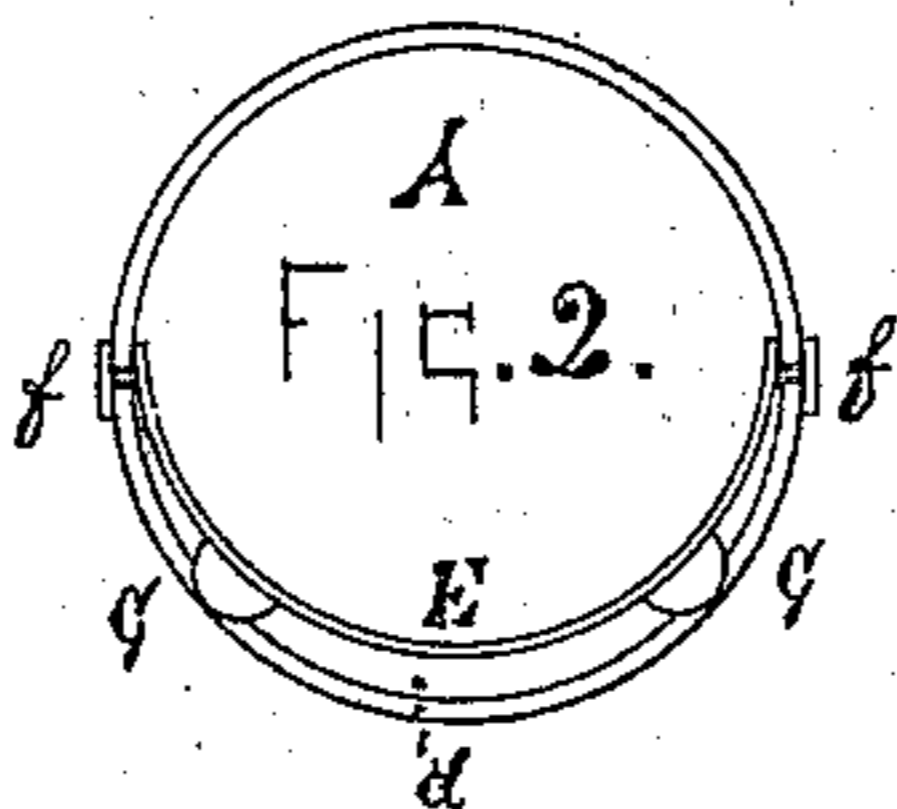
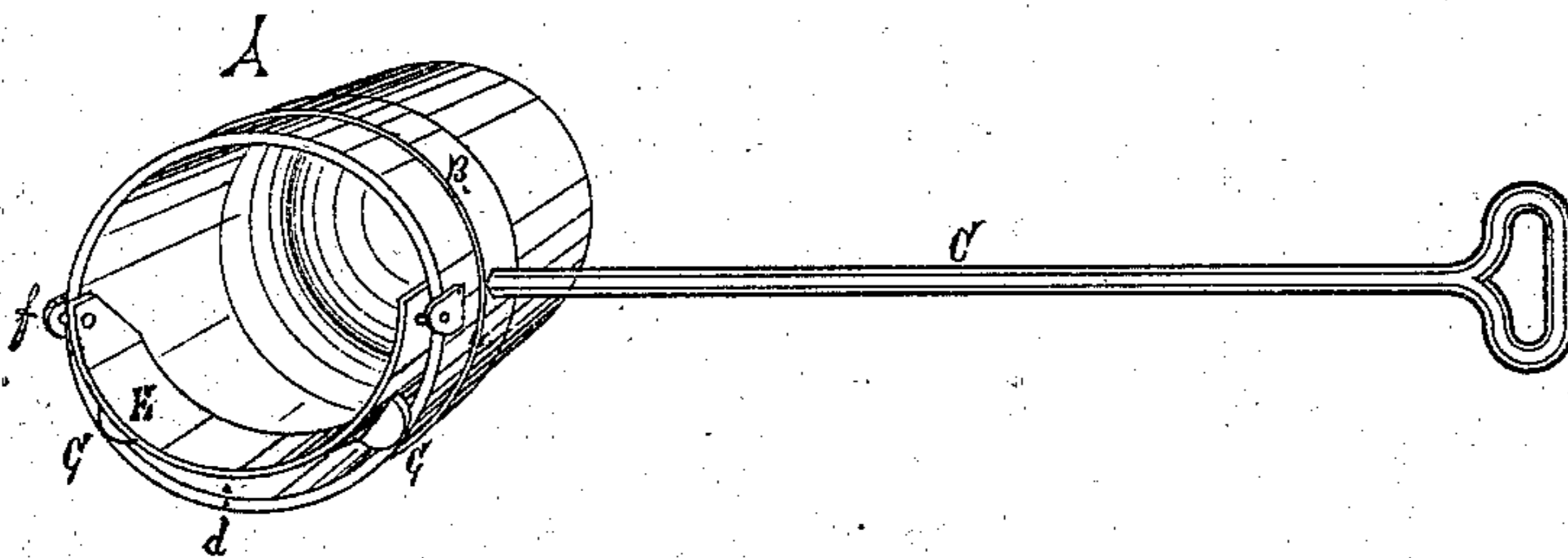
J. McCLEARY.

Molders' Pots or Ladles.

No. 136,927.

Patented March 18, 1873.

FIG. 1.



WITNESSES:

Planton M Howard
Ella E Worthing

INVENTOR:

James McCleary
By J B McLeure his
Attorney.

UNITED STATES PATENT OFFICE.

JAMES McCLEARY, OF MARTIN'S FERRY, OHIO.

IMPROVEMENT IN MOLDERS' POTS OR LADLES.

Specification forming part of Letters Patent No. **136,927**, dated March 18, 1873.

To all whom it may concern:

Be it known that I, JAMES McCLEARY, of Martin's Ferry, in Belmont county and State of Ohio, have made the invention hereinafter described, of which the following is a specification, reference being had to the accompanying drawing and the letters of reference thereon.

My invention relates to an Improved Molder's Pot or Ladle, such being the common names of the vessel in which molders carry the molten metal from the furnace or "cupola" to the molds in which it is to be cast, and which usually consists of a conically-shaped pot and its support, consisting of a ring, in which sits the pot, provided with a handle.

In thus casting metals the dross, such as cinder, &c., floats upon the metal in the pot, and from which it is to be removed, or otherwise prevented from entering the molds with the metal. Heretofore this dross has either been skimmed from off the metal before pouring it into the mold, or withheld from entering the same by means of a rod or bar held in and operated by the hand. Now, my invention has for its object to prevent this dross from running into the mold with the metal while pouring the latter therein, by means of a shield or guard attached to the rim of the pot; and consists of such a pot, provided with such a shield or guard, the latter extending a short distance below and above the rim of the pot, and within the latter, and at such a distance from the rim as will admit of the metal passing freely between it and the rim. When thus constructed, in pouring the metal therefrom it passes between the side of the pot and the shield or guard, while the dross is held back by the latter, and this because of the relative gravity of the dross and metal.

In the drawing, Figure 1 is a perspective of a molder's pot provided with the dross-shield, showing the principle and mode of operation of my invention. Fig. 2 is a top view of the same.

A is an ordinary conical-shaped pot, embraced and supported by the rim B attached to the handle C; but I do not confine my invention to a pot of this form and support, for the shield can easily be attached to pots of other and different forms. E is the shield or guard, in form like unto the pot, but extending a short distance below and above the rim of the pot, and leaving a space, *d*, between it and the side of the pot for the metal to be poured through. This shield is attached to the pot by means of lugs *f f'*, and in which lugs the ends of the shield are pivoted or hinged, so that the same can be used on either side of the pot. These lugs may be so made as to be detachable from the pot, so that they can be moved around the rim of the same, and admit of the shield being used at any portion of the rim; but this is only an economical use of the invention and not necessary for its operation. The size of the space *d* will be determined by the kind of metal being cast and extent of the flow desired. The shield or guard E is held in place and supported by means of the tangs or laps *g g'*, which lap upon the edge of the rim of the pot.

It is evident that my invention can also be carried into effect by extending the shield E around the whole of the rim instead of part of the way, as before described, and that it can be attached to the pot by other common appliances, all of which would be merely variations of the way set forth.

Having described my invention, and the principle of constructing and using it, what I claim as new and my invention is—

As an article of manufacture, the pot A, provided with the dross shield or guard E, substantially as herein specified.

JAMES McCLEARY.

Witnesses:

J. B. McLURE,
STANTON M. HOWARD.