No. 721,729. PATENTED MAR. 3, 1903.

P. J. McGUIRE.

LADLE.

APPLICATION FILED AUG. 14, 1902.

NO MODEL.

FIG. II.

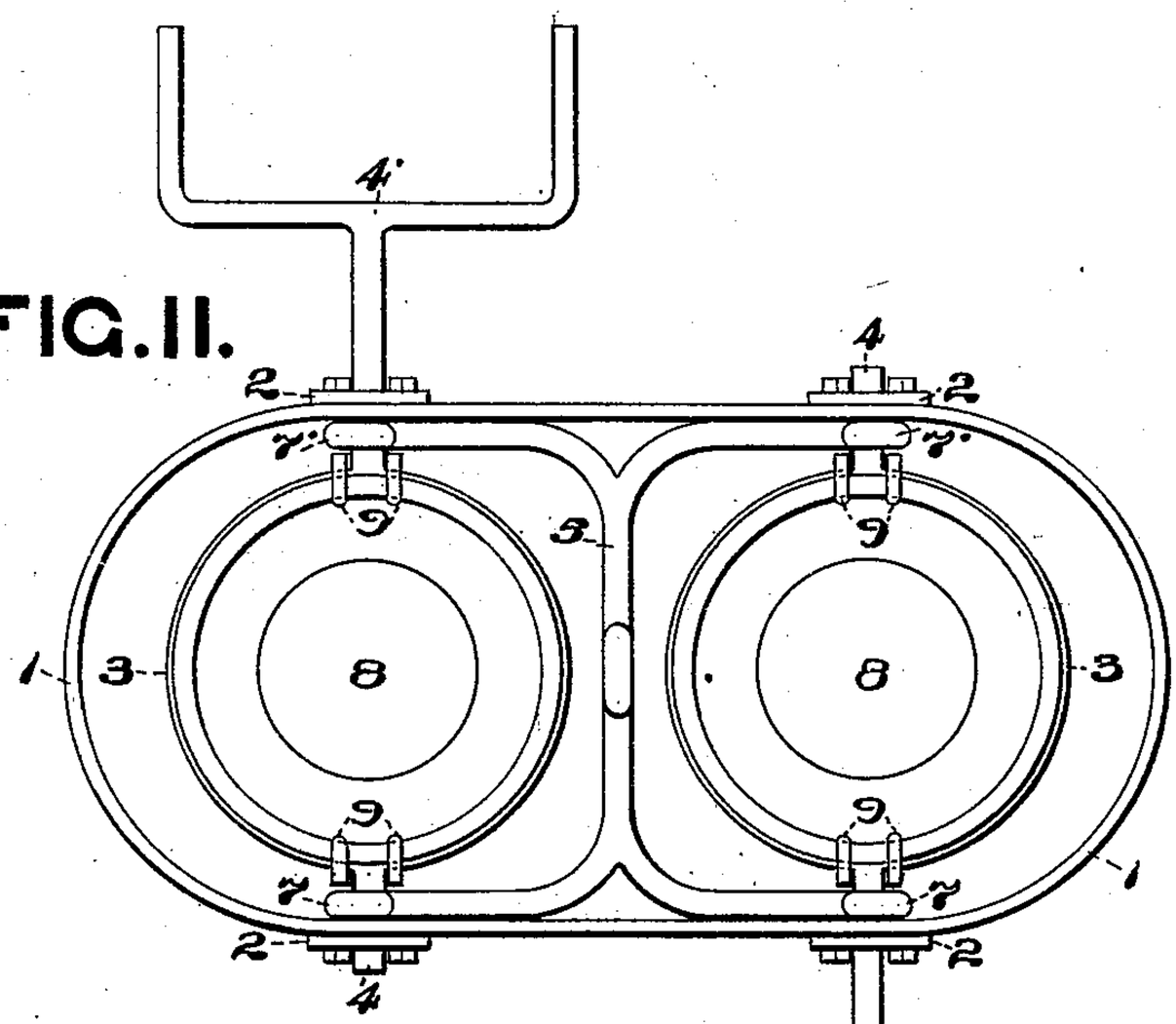


FIG. III.

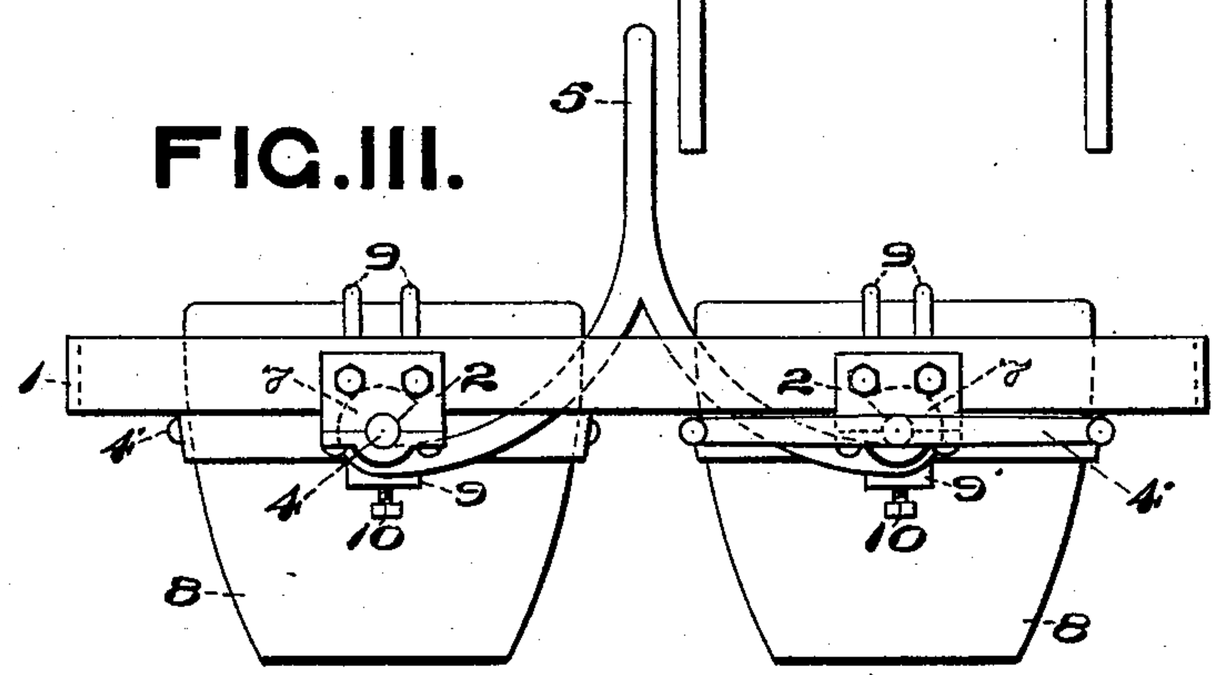


FIG. IV.

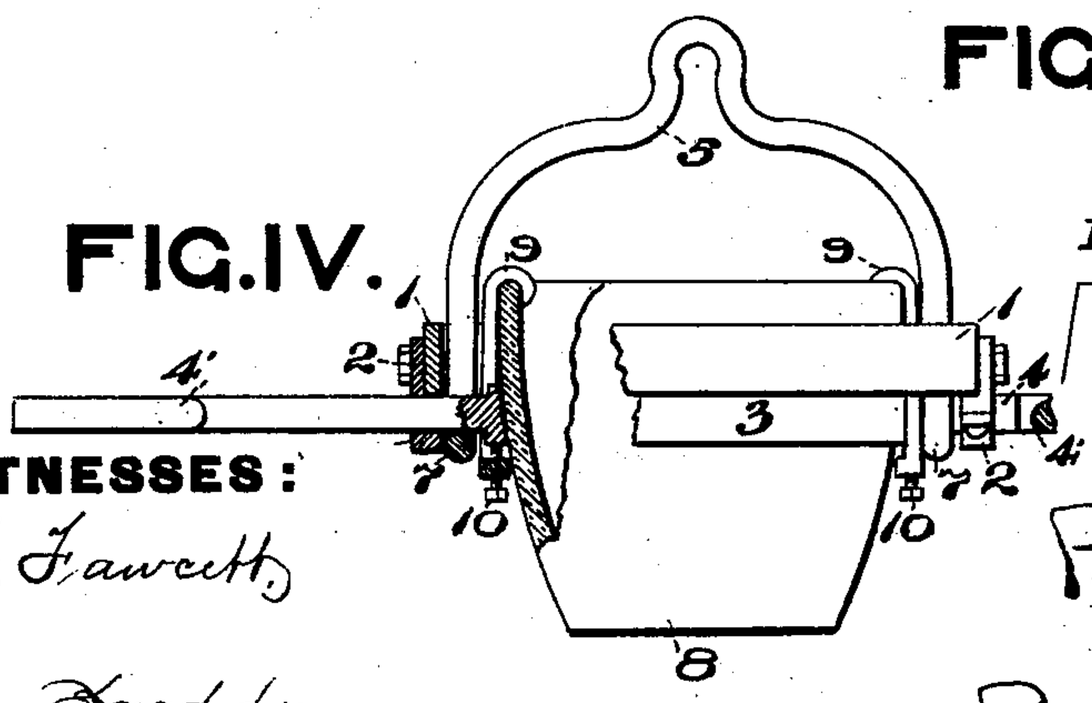
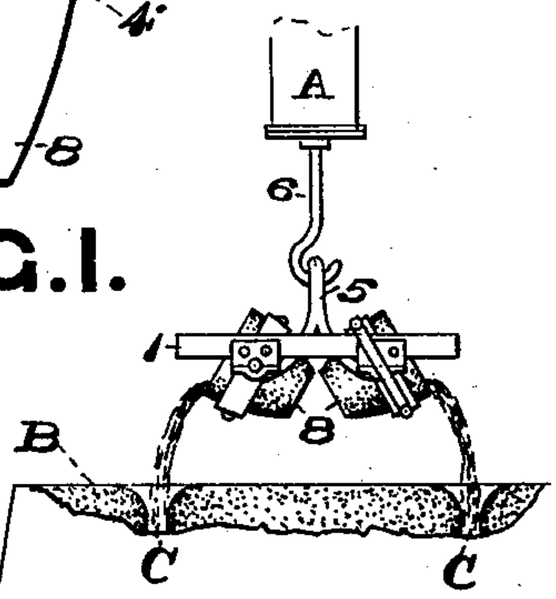


FIG. I.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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LADLE.

SPECIFICATION forming part of Letters Patent No. 721,729, dated March 3, 1903.

Application filed August 14, 1902. Serial No. 119,605. (No model.)

To all whom it may concern:

Be it known that I, PETER J. McGUIRE, a citizen of the United States, residing at Blairsville, in the county of Indiana and State of Pennsylvania, have invented a new and useful Improvement in Ladles, of which improvement the following is a specification.

The object of my invention is to provide a ladle for foundry practice adapted for service in connection with an air-lift or other suitable movable support, whereby the metal may be poured into the mold through two gates at the same time, and thereby cause the mold to be uniformly filled from both ends or gates. Furthermore, the ladle is so constructed as to be manipulated by two men with little or no effort.

In the accompanying drawings I have by several views illustrated my improved ladle, in which drawings—

Figure I is a side elevation illustrating the ladle in practice. Fig. II is an enlarged plan view of the same detached from the hoist or support. Fig. III is a side view of the same, and Fig. IV is an end view thereof, partly in section.

Referring to said drawings for a description of the details of construction of said device, the numeral 1 designates an elongated link or frame having at opposite sides and at equidistant points from the center thereof the two pairs of bearings 2. Arranged in said frame is a pair of annular crucible-supports 3, each having integral therewith a short extension or journal 4, which projects through one bearing, and a long extension passing through the other bearing and terminating in a forked handle-bar 4′, said forked end of one of said supports extending through the bearing at one side and that of the other at the opposite side. A clevis 5 for engaging with a hook 6 of a suitable traveling lift or support A is connected upon the journal ends of the crucible-support by means of its turned-over portions 7 of its divided extremities. Within the said support 3 are fitted crucibles 8, which are operatively held therein by means of the plural hook members 9, which straddle the journals of the supports and engage the rims of the crucibles, said hooked members being drawn tightly into engagement with the crucible-rims by set-screws 10, engaging the support proper or its journaled extensions.

In practice the device is attached to a suitable lift or traveling support A, by which it is carried to the cupola and the crucibles filled with metal, and when so filled the device is carried by said lift to a point directly over the mold B. Two men, one at each side, then grasp and turn the handles 4′ and pour the metal into the mold-gates C.

It is apparent that by the aid of this device in foundry practice the molds may be more quickly and uniformly filled than by the use of independent hand-ladles, thus preventing possible chilling of the metal and the carrying of the scum therefrom into the mold. Furthermore, the manual labor is reduced to a minimum. It is also apparent that modifications of the details of construction may be made without departing from the spirit of my invention.

Having thus fully shown and described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A plural metal-pouring device for use in connection with a hoist or other overhead support, comprising a frame, independently-operated metal-confining vessels journaled therein, and means carried by said device to connect with said support.

2. A plural metal-pouring device for use in connection with a hoist or other overhead support, comprising a frame, independently-operated metal-confining vessels journaled therein, and means carried by said device to connect with said support, the journals of said vessels being provided with handles to operate the said vessels.

3. A plural metal-pouring device for use in connection with a hoist or other overhead support, comprising a frame, independently-operated metal-confining vessels journaled therein, and means carried by said device to connect with said support, the journals of said vessels being provided with handles projecting from opposite sides to operate said vessels.

4. The combination with a traveling hoist

or like support, of a frame suspended therefrom, and independently-operated metal-confining vessels journaled therein.

5. The combination with a traveling hoist or like support, of a frame suspended therefrom, and independently-operated metal-confining vessels journaled therein the journals of each being provided with handles to operate the same.

6. The combination with a traveling hoist or like support, of a frame suspended therefrom, and independently-operated metal-confining vessels journaled therein the journals of each being provided with handles projecting from opposite sides of the frame to operate the same.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

PETER J. McGUIRE.

In presence of—
D. M. KIER,
COULTER WIGGINS.