

(No Model.)

S. R. WILSON.
INGOT MOLD.

No. 371,907.

Patented Oct. 18, 1887.

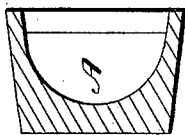


Fig. 3.

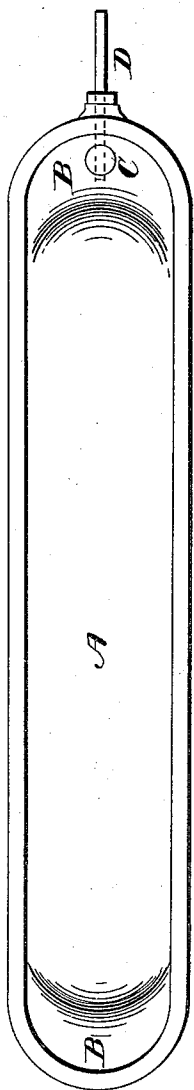


Fig. 1.

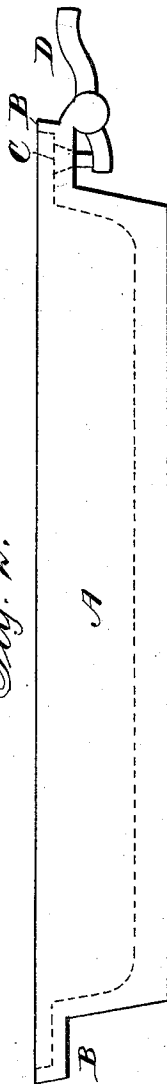


Fig. 2.

Attest:

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Samuel R. Wilson
by *Henry M. [Signature]*
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UNITED STATES PATENT OFFICE.

SAMUEL R. WILSON, OF BROKEN HILL, ASSIGNOR TO REGINALD BRADFORD PELL AND JAMES MACCABE, BOTH OF SILVERTON, NEW SOUTH WALES.

INGOT-MOLD.

SPECIFICATION forming part of Letters Patent No. 371,907, dated October 18, 1887.

Application filed August 19, 1887. Serial No. 247,309. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL RUPERT WILSON, a subject of the Queen of Great Britain, residing at Broken Hill, in the British colony of New South Wales, have invented a new and useful Improvement in Ingot-Molds, of which the following is a specification.

This invention relates to the molds in which ingots or bars of gold, silver, lead, and other metals are cast, and it has been devised in order that the ingot may be easily and quickly freed from the mold.

Heretofore it has been customary to release or extract the ingots or bars by means of a chisel, which not only entails some inconvenience and a loss of a good deal of time, but has a tendency to press the sides or edges of the mold out of shape, and so eventually destroy it. By my invention the necessity for loosening the bar or ingot by any implement is avoided. At one or both ends of the mold I attach a sliding bolt, over which the edge of the bar or ingot is cast, and this bolt is actuated by a lever to push or move the bar or ingot from out of the mold.

In the drawings hereto attached, Figure 1 is a top plan view of an ingot-mold with my improvements applied thereto; Fig. 2, a side elevation, and Fig. 3 a transverse section, thereof.

A shows the mold; B, its flanges; C, a sliding bolt having a tapered head fitting in a countersunk hole into flange B. D is a lever, one end fitting under the bolt C, the other forming a handle.

In operation the bar or ingot is run into or cast in the mold A and in the flanges B. To remove the cold bar or ingot the handle of the lever D is pushed or struck downward, which forces the bolt C upward and carries the bar or ingot out of the mold sufficiently far to enable the hands to grasp and remove it.

Having thus particularly described and ascertained the nature of this invention and the manner in which the same is to be performed, what I claim, and desire to secure by Letters Patent, is—

1. An ingot or bar mold provided with a plunger adapted to operate upon the casting in the mold to separate the same therefrom, and an operating lever pivoted to the mold, the inner free end of which lever projects beneath and is adapted to operate upon the lower end of said plunger, for the purpose specified.

2. In combination with an ingot or bar mold provided with an end flange, B, a plunger fitted and operating within an opening in said flange, and a lever pivoted to the flange of the mold, the inner end of which lever projects beneath and is adapted to operate upon the lower end of the plunger to force the same upward, and thereby raise the flange of the casting above the upper edge of the mold, as and for the purpose specified.

S. R. WILSON.

Witnesses:

CHAS. CHAPPLE,
W. W. PEAT.