

J. HURSH.
IRON MOLDING.

No. 190,492.

Patented May 8, 1877.

Fig. 1

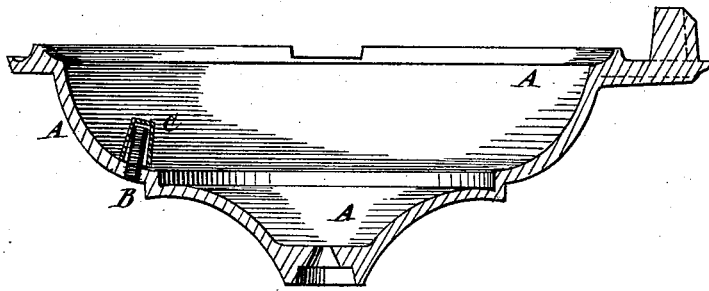
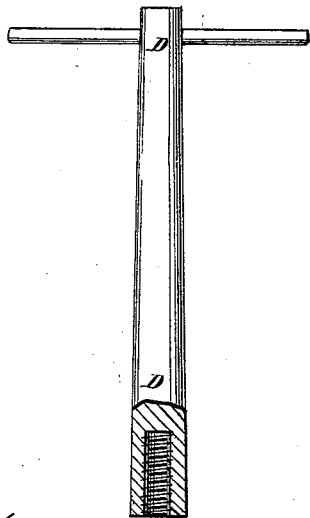


Fig. 2



WITNESSES:

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JOSEPH HURSH, OF NEW YORK, N. Y.

IMPROVEMENT IN IRON MOLDING.

Specification forming part of Letters Patent No. **190,492**, dated May 8, 1877; application filed April 16, 1877.

To all whom it may concern:

Be it known that I, JOSEPH HURSH, of the city, county, and State of New York, have invented a new and useful Improvement in Iron Molding, of which the following is a specification:

Figure 1 is a cross-section of a pattern, illustrating my invention. Fig. 2 is a side view of the key, partly in section, to show the construction.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improvement in the means for drawing patterns from the sand which shall be free from the annoyances always encountered when the old means are employed.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A represents the pattern of an object to be molded. To the pattern A is secured a male screw, B, projecting sufficiently to allow a key to be firmly screwed upon it. The screw B is covered with a small slightly-tapering cap, C, while the sand is being packed upon it, and

which protects the threads of the screw B from being filled with sand. When the cope is raised from the pattern the cap C is either left upon the screw B or taken off with the sand, and can then be drawn, in either case leaving a smooth hole in the sand, which can be easily filled. D is the key, which has a female screw formed in its lower end to fit upon the male screw B, and may have a handle of any desired shape formed upon or attached to its upper end.

By this construction no time need be lost in freeing the screw-threads from sand, and the screw-threads will not be worn by the sand, and will thus last much longer than when the old method is employed.

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

The combination of the cap C with the male screw B, to protect the screw from the sand, substantially as herein shown and described.

JOSEPH HURSH.

Witnesses:

JAMES T. GRAHAM,
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