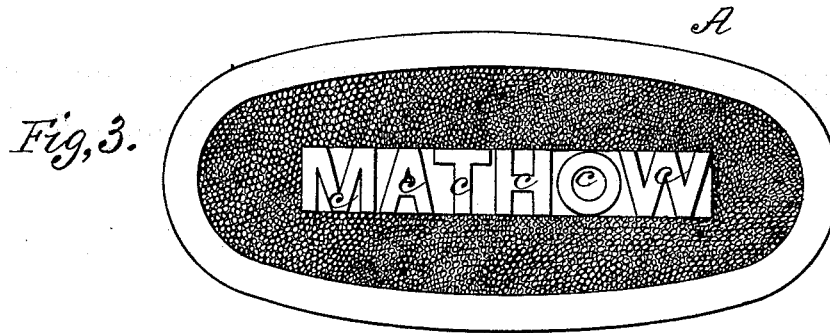
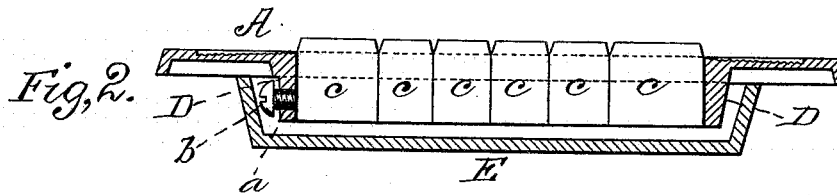
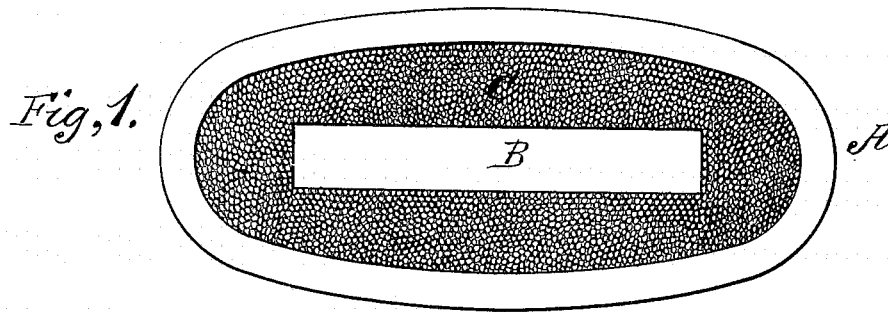


L. A. HARKER.
 Sectional-Pattern for Casting Door-Plate.
 No. 219,940. Patented Sept. 23, 1879.



WITNESSES

Mary S. Utley
A. J. Masi

INVENTOR

Lewis A. Harker
by E. W. Anderson
 his ATTORNEY

UNITED STATES PATENT OFFICE.

LEWIS A. HARKER, OF COLUMBUS, OHIO, ASSIGNOR OF ONE-HALF HIS
RIGHT TO THOMAS E. COLLINS, OF SAME PLACE.

IMPROVEMENT IN SECTIONAL PATTERNS FOR CASTING DOOR-PLATES.

Specification forming part of Letters Patent No. **219,940**, dated September 23, 1879; application filed
March 22, 1879.

To all whom it may concern:

Be it known that I, LEWIS A. HARKER, of Columbus, in the county of Franklin and State of Ohio, have invented a new and valuable Improvement in Sectional Patterns for Casting Door-Plates; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of a pattern-plate. Fig. 2 is a longitudinal section thereof, showing the type set up. Fig. 3 is a plan view of the same, showing the type in their places; and Fig. 4 is a longitudinal section of the door-plate as completed.

This invention has relation to the manufacture of name-plates for doors and other places; and it consists in the construction and novel arrangement of pattern bodies or plates slotted to receive movable type fastened therein by set-screws or otherwise, and having removable draw-caps, all as hereinafter shown and described.

In the accompanying drawings, the letter A designates the body or plate portion of the pattern, having a central longitudinal slot, B, and a surface, C, suitably engraved or ornamented with relieved or intaglio figures or designs. At each end of the slot a lug, D, projects from the back portion of the pattern-plate, and one of these lugs is provided with a threaded perforation, *a*, for the reception of a set-screw, *b*. In this slot are placed the type *cc*, which have independent metallic bodies of the usual square close-fitting form, the letters thereon being raised or depressed and of such design as may be selected by the party for whom the name-plate is to be made. These letters are placed in the slot B, so that their

letter-bases will be flush with the surface of the body-plate A, and in this position the bodies of the type projecting from the under side of the plate A, and being in line between the abutment-lugs D, are secured by means of the set-screw *b*. Should there be any spaces between the type or at the end of the line such spaces are to be filled with suitable spaces, as in ordinary type-setting.

E represents the draw-cap, which is hollow, to receive the lugs D and projecting bodies of the type, and beveled on its exterior surfaces, so as to draw freely from the mold. This cap is placed upon the back of the plate A, covering the line of the type-bodies, and completes the pattern, which is ready for use in the ordinary manner for the formation of the mold, with this exception, that after the cap is drawn from the mold of the back the cavity formed thereby is filled in with sand until it is level with the back surface of the mold, and therefore when the plate is cast it will be without a projection on its back and in proper form for attachment to a plain surface.

I am aware that a sunken bed-mold for door-plates adapted to receive type secured by screws is not new; hence I make no broad claim to such invention.

What I claim as new, and desire to secure by Letters Patent, is—

The name-plate pattern for casting, consisting of the slotted body-plate having the back lugs, D, and set-screw *b*, the movable type *c*, and the beveled draw-cap E, covering the projecting ends of the type between the back lugs, and said lugs, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEWIS A. HARKER.

Witnesses:

JOHN M. TIBBETTS,
T. E. COLLINS.