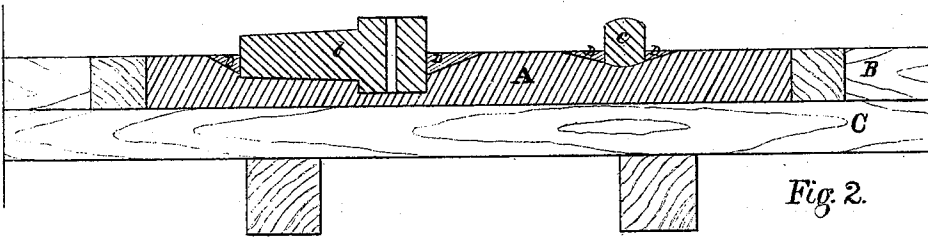
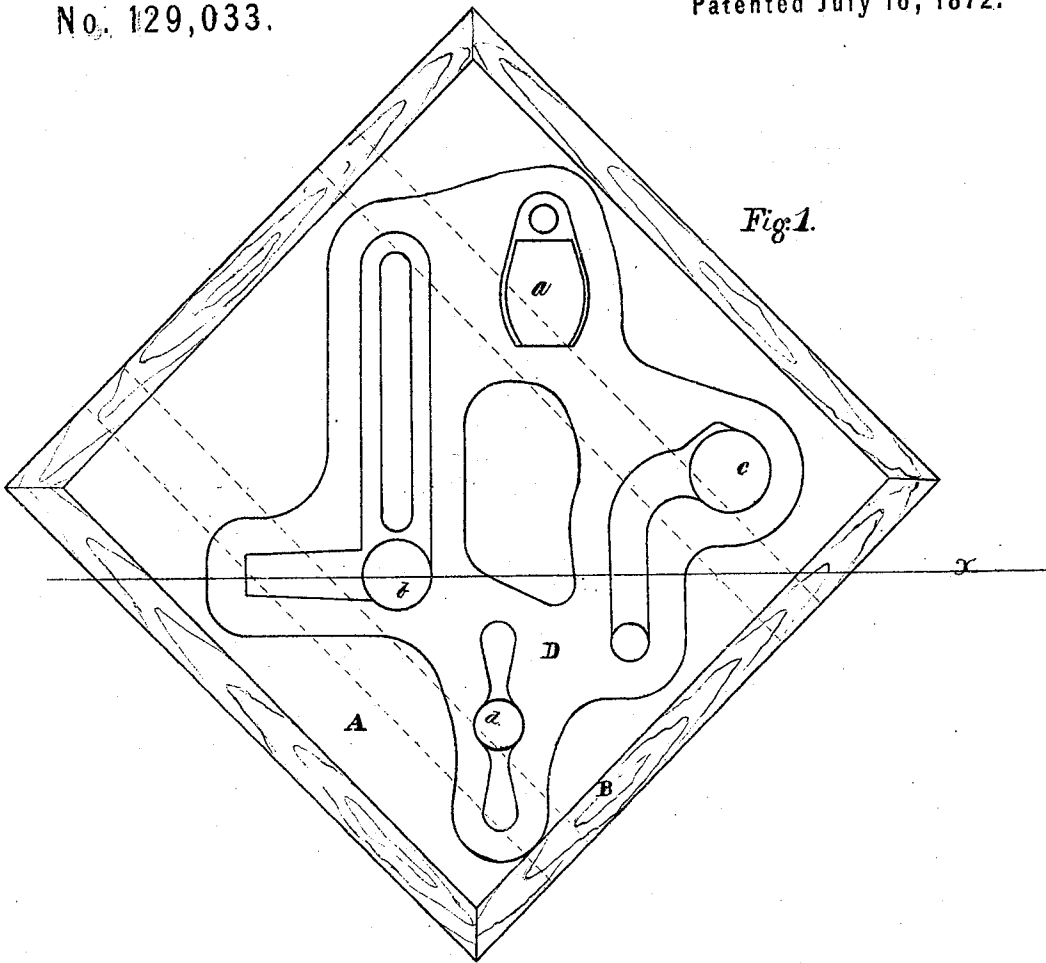


W. H. JEFTS.
Molders' Match-Boards.

No. 129,033.

Patented July 16, 1872.



Witnesses,
Theo. Blaisdell
Edwin Horsey

Inventor
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UNITED STATES PATENT OFFICE.

WILLIAM H. JEFTS, OF LOWELL, MASSACHUSETTS, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO LOWELL MACHINE-SHOP, OF SAME PLACE.

IMPROVEMENT IN MOLDERS' MATCH-BOARDS.

Specification forming part of Letters Patent No. 129,033, dated July 16, 1872.

SPECIFICATION.

I, WILLIAM H. JEFTS, of Lowell, in county of Middlesex and State of Massachusetts, have invented certain Improvements in Molders' Match-Boards, of which the following is a specification:

Nature and Object of my Invention.

My invention relates to the combination of a metallic border with plaster of Paris, or any material used in the construction of a molder's match-board, for receiving the impression of the patterns, arranged and constructed in such a manner as to encircle the pattern at the surface of the material for receiving the impression of the pattern, and extending down and back a sufficient distance to strengthen and protect the parts and angles most liable to destruction; the object of my invention being to prevent this destruction of angles and surfaces at this point by substituting a harder and firmer material than that required for the other portion of the board.

Description of the Accompanying Drawing.

Figure 1 is a plan of a molder's match-board embodying my invention. Fig. 2 is a transverse vertical section at the lines *x*, showing a section of the frame B, bottom C, impressing material A, metallic border D, and pattern *b* and *c*.

General Description.

A is the material for receiving the impression of the pattern *a*, *b*, *c*, and *d*. B is the frame and C the bottom of the match-board, supporting the material A, border D, and the

pattern *a*, *b*, *c*, and *d*, the construction of which is as follows: The frame B is first filled with molders' sand and the pattern *a*, *b*, *c*, and *d* placed therein; a nowel or drag is then placed on the frame B and rammed up, a bottom board put on, and the whole turned over; the frame B and board C are then removed and the parting made; a cope is then placed upon the nowel or drag, rammed up, and removed, and the surface edge of the sand in the cope coming in contact with the pattern *a*, *b*, *c*, and *d* in the nowel, is chamfered, the size of the chamfer being governed by the size of the border required. The cope is again placed upon the nowel, and the metal of which the border is to be composed is poured into the space left by the chamfer. The cope is now removed, and the frame B takes its place on the nowel or drag, into which plaster of Paris, or whatever material is to be used, is poured, filling all the space around the pattern *a*, *b*, *c*, and *d* not occupied by the sand in and the border on the nowel. The frame B is now separated from the nowel and finished by screwing the board to the back C and varnishing.

Claim.

I claim as my invention—

The combination of the metallic border D with plaster of Paris, or any other material used in the construction of molders' match-boards, substantially as and for the purpose hereinbefore set forth.

WILLIAM H. JEFTS.

Witnesses:

THEO. BLAISDELL,
EDWIN HARVY.