

H. PARKER.
Devices for Forming Cores.

No. 145,748.

Patented Dec. 23, 1873.

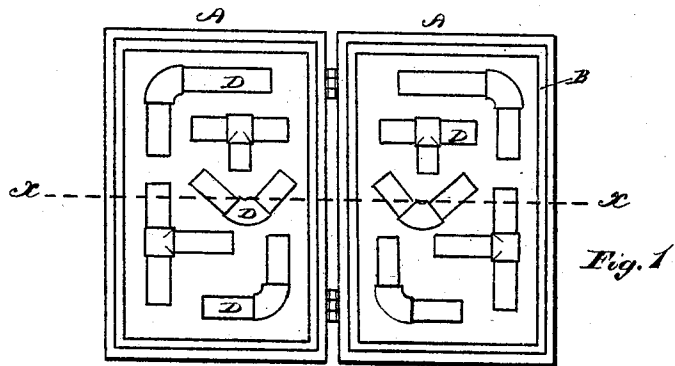


Fig. 1.

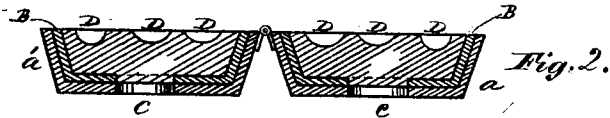


Fig. 2.

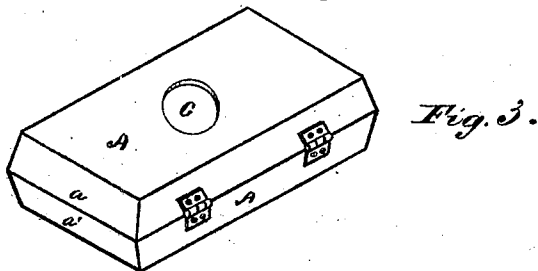


Fig. 3.



Fig. 4.

Witnesses.
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UNITED STATES PATENT OFFICE.

HENRY PARKER, OF GANANOQUE, CANADA.

IMPROVEMENT IN DEVICES FOR FORMING CORES.

Specification forming part of Letters Patent No. **145,748**, dated December 23, 1873; application filed November 18, 1873.

To all whom it may concern:

Be it known that I, HENRY PARKER, of the village of Gananoque, in the county of Leeds and Province of Ontario, Canada, have invented an Improvement in Molds Employed for Casting Cores, of which the following is a specification:

This invention relates to a mold for casting cores, in which the mold-flasks, filled with plaster-of-paris or other suitable material, impressed with the semi-core molds, are inserted in a hinged case, removable therefrom, so that when the mold-flasks, charged with the plastic material for forming the cores, are brought together by closing the hinged case, the semi-cores unite by adhesion, and thus form perfect cores.

Figure 1 is a top view of my improved mold open. Fig. 2 is a vertical section of the same on the line *x x*. Fig. 3 is a perspective view, showing the molds closed. Fig. 4 is a transverse vertical section of one of the mold-flasks removed from the mold-case, showing the same charged with united semi-cores.

A is a case, formed of two dishes, *a a'*, hinged so as to close together. B B are mold-flasks, inserted in the dishes *a a'*, and fitting snugly therein. These flasks are filled with plaster-of-paris or other suitable material, which is impressed with semi-core molds D, to be filled

with the plastic material of which to form the cores. C are openings in the back of the case A, to allow pressure by the thumb or fingers to be exerted on the inserted molding-flask B, for its removal from the case A after the semi-cores have been united.

By shutting the case A, so that the mold-flasks are brought together, the unity of the semi-cores is effected by the adhesion of the plastic material, and thus forms perfect cores. The case A is then opened horizontally, and the united semi-cores will remain in the lower flask, which flask, charged with the cores, is then removed from the case A by pressure through the opening C, and placed in a suitable oven to bake or otherwise harden the cores.

I claim as my invention—

1. A mold for casting cores having flasks B, impressed with corresponding semi-core molds D, inserted removably in a case, A, formed of dishes *a a'*, hinged and closing together substantially as and for the purpose described.

2. Providing the dishes *a a'* of the case A with openings C at the back, to facilitate removal of the flasks B by pressure, as set forth.

H. PARKER.

Witnesses:

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