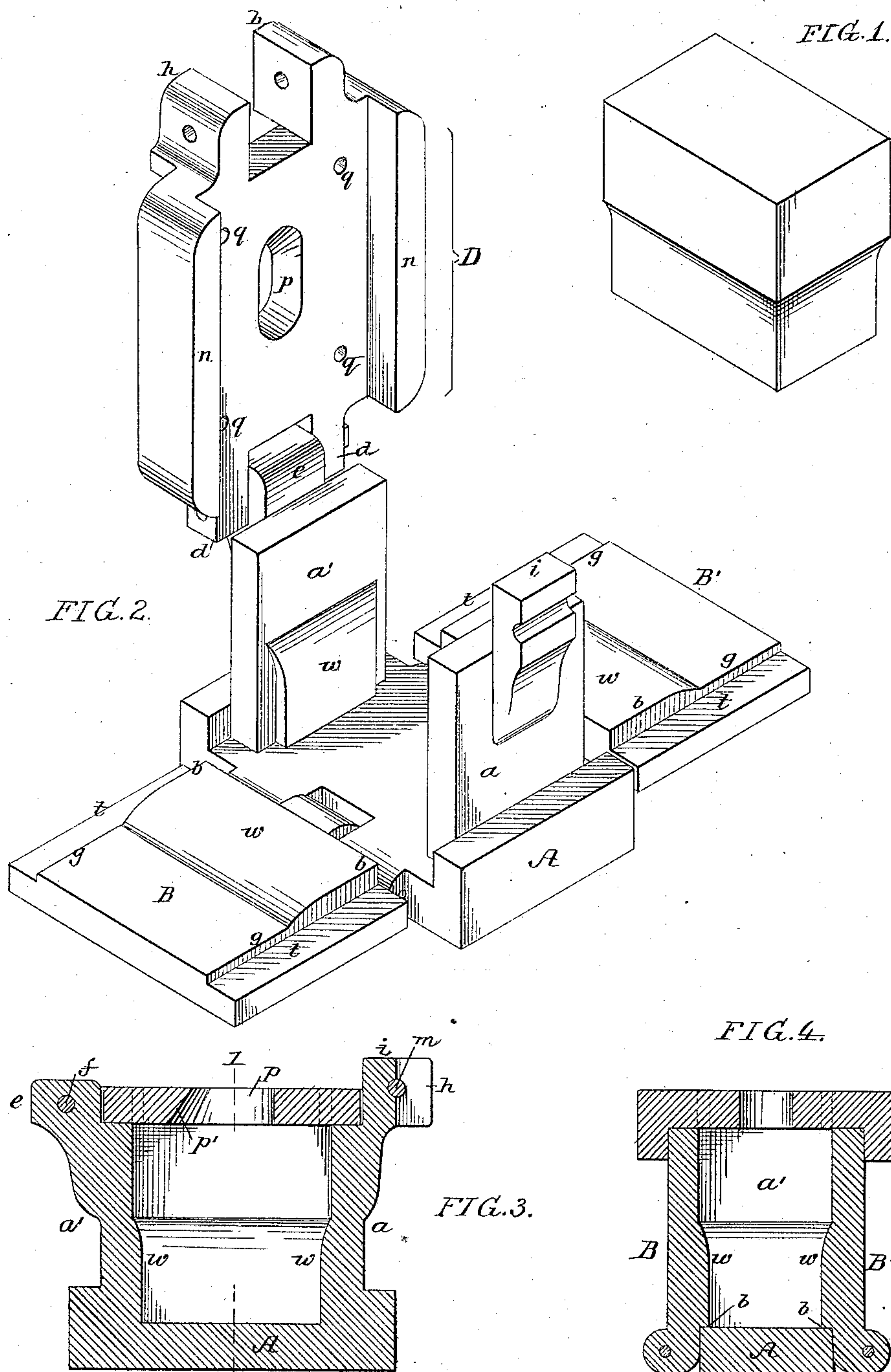


(No Model.)

J. EISENHOWER.
MOLD BOX FOR PAVING AND OTHER BLOCKS.

No. 312,829.

Patented Feb. 24, 1885.



Witnesses:
James F. Tobin
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UNITED STATES PATENT OFFICE.

JONATHAN EISENHOWER, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR
TO FRANK B. EISENHOWER, OF SAME PLACE.

MOLD-BOX FOR PAVING AND OTHER BLOCKS.

SPECIFICATION forming part of Letters Patent No. 312,829, dated February 24, 1885.

Application filed August 18, 1884. (No model.)

To all whom it may concern:

Be it known that I, JONATHAN EISENHOWER, a citizen of the United States, and a resident of Philadelphia, Pennsylvania, have invented certain Improvements in Mold-Boxes for Paving or other Blocks, of which the following is a specification.

My invention consists of a mold-box constructed in the peculiar manner fully described and claimed hereinafter, for the casting of furnace-slag into paving, building, and other blocks.

In the accompanying drawings, Figure 1 is a perspective view of a paving-block for casting which my improved mold-box is intended. Fig. 2 is a perspective view of the box as it appears when open; Fig. 3, a vertical section of the box, and Fig. 4 a section on the line 1 2, Fig. 3.

The mold-box is of quadrangular form, A being the base, *a a'* the opposite end pieces, forming permanent parts of the base, B B' the opposite sides of the box, hinged to the edge of the base, and D the lid or cover, hinged to one of the end pieces.

The manner in which the opposite side pieces, B B', are hinged to the base will be best understood by reference to Fig. 4, where it will be observed that a shoulder, *b*, on each side piece overlaps and bears on the base when the box is closed, thereby insuring a perfect corner, even if the hinge should become loose. The lid D has at one end lugs *d*, hinged to a lug, *e*, on the end *a'* of the box by the pin *f*, and at the opposite end of the lid are lugs *h*, and on the end *a* of the box is a projection, *i*, which fits between the said lugs *h h* when the lid is closed, a removable pin, *m*, passing through all the lugs when the lid has to be secured to the end *a* of the box. The lid has at its edges ribs *n n*, which fit over the side pieces, as shown in Fig. 4, and lock the same in place when the box is closed. In the lid is a central pouring-hole, *p*, beveled on one edge, *p'*, Fig. 3, so that the slag contained in the hole after casting the block may not interfere with the raising of the lid when the box has to be opened. Vent-holes *q q* also extend through the lid. Each of the side pieces, B B', is preferably depressed in the inner face at *t t*, where it has to fit against the edges of the end pieces, *a a'*, so that when the mold is closed shoulders *g g* on each side piece may overlap the inner

sides of the end pieces. The lower portion of the paving-block is of less size than the upper portion, and in order to impart this shape to the block each of the side pieces and end pieces of the box is made thicker at *w*; but it should be understood that the box is not restricted to the casting of paving-blocks, as it may be formed for the casting of different kinds of blocks for building and other purposes. The closed box is placed near a furnace in which more or less slag is produced, and the molten slag is directed to the pouring-hole of the lid. After the box has been filled with slag, and sufficient time has elapsed to permit the contents to become set and hard, the pin *m* is withdrawn and the lid raised, thereby setting the side pieces, B B', at liberty, and these side pieces being thrown open, as in Fig. 2, the cast block will be contained between the opposite end pieces, *a a'*, and may be readily removed, as the slag contracts more or less in cooling.

Any suitable fastening for confining and releasing the lid D may be substituted for the removable pin *m*.

The object of the projecting flanges on the base is to afford means for securing the mold to a truck or other object by any suitable fastenings.

The base, lid, side, and end pieces of the box should be made of cast-iron, and should be substantial enough to resist the heat to which they must be subjected.

I claim as my invention—

1. The combination of the base A, the end pieces, *a a'*, forming permanent parts of the base, and the side pieces, B B', hinged to the said base, with the lid D, hinged to one end piece and constructed for attachment to and detachment from the other end piece, all substantially as set forth.

2. The combination of the base, permanent end pieces, *a a'*, of the same, hinged side pieces, and lid D, provided with ribs *n n*, arranged to overlap and retain the said side pieces, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JONATHAN EISENHOWER.

Witnesses:

JOHN M. CLAYTON,
HARRY SMITH.