

(No Model.)

W. J. ANTHISTLE.
COFFIN SHELL MOLD.

No. 480,986.

Patented Aug. 16, 1892.

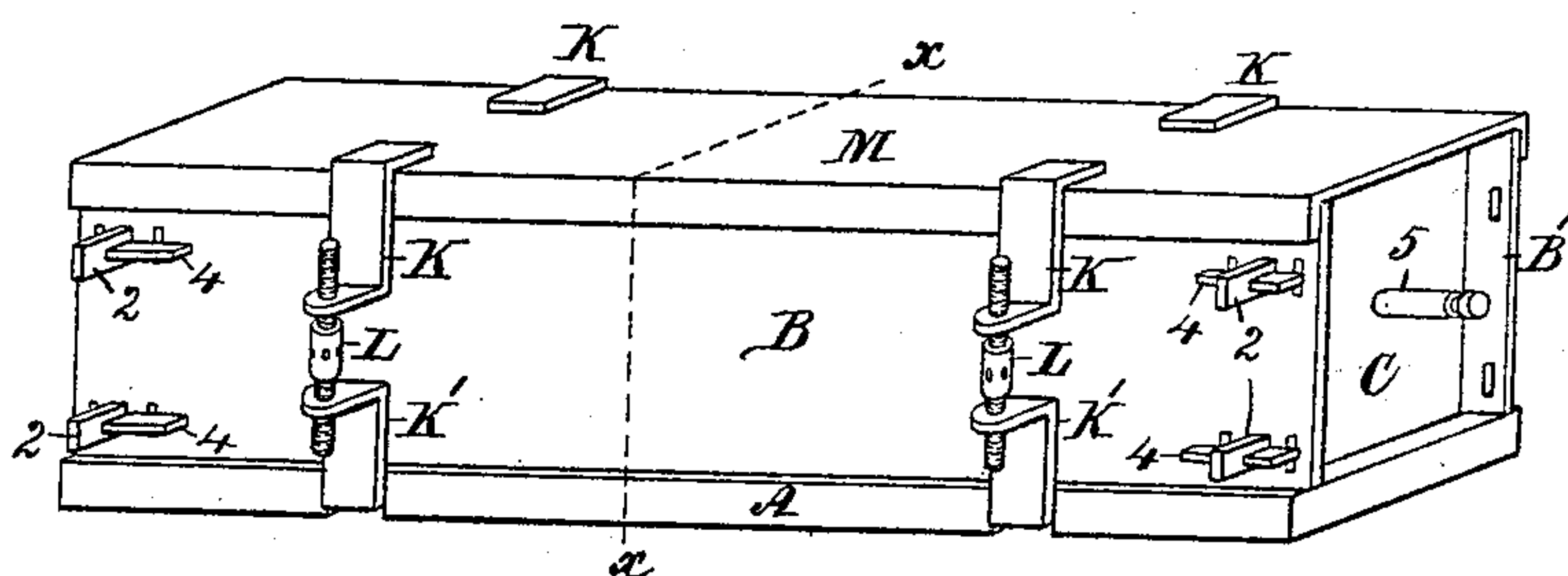


Fig. 1.

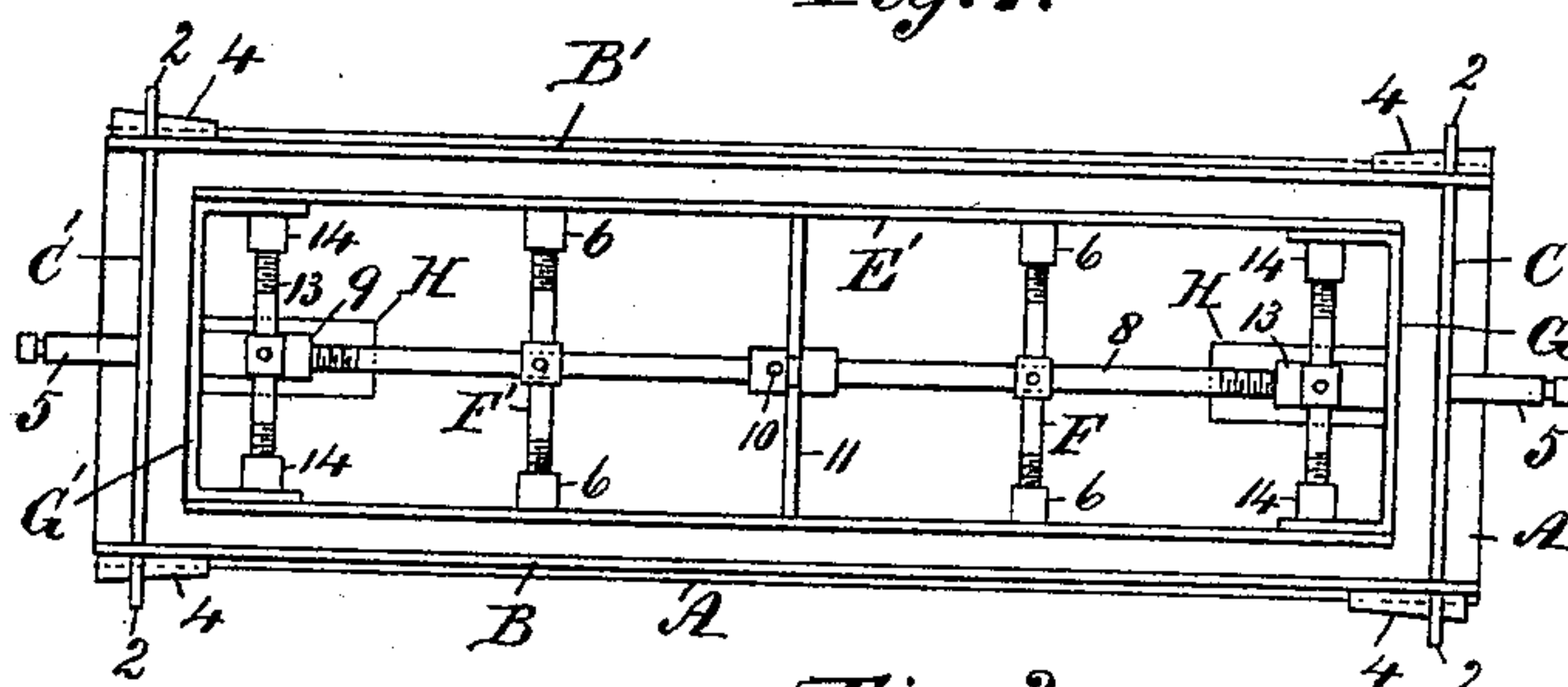


Fig. 2.

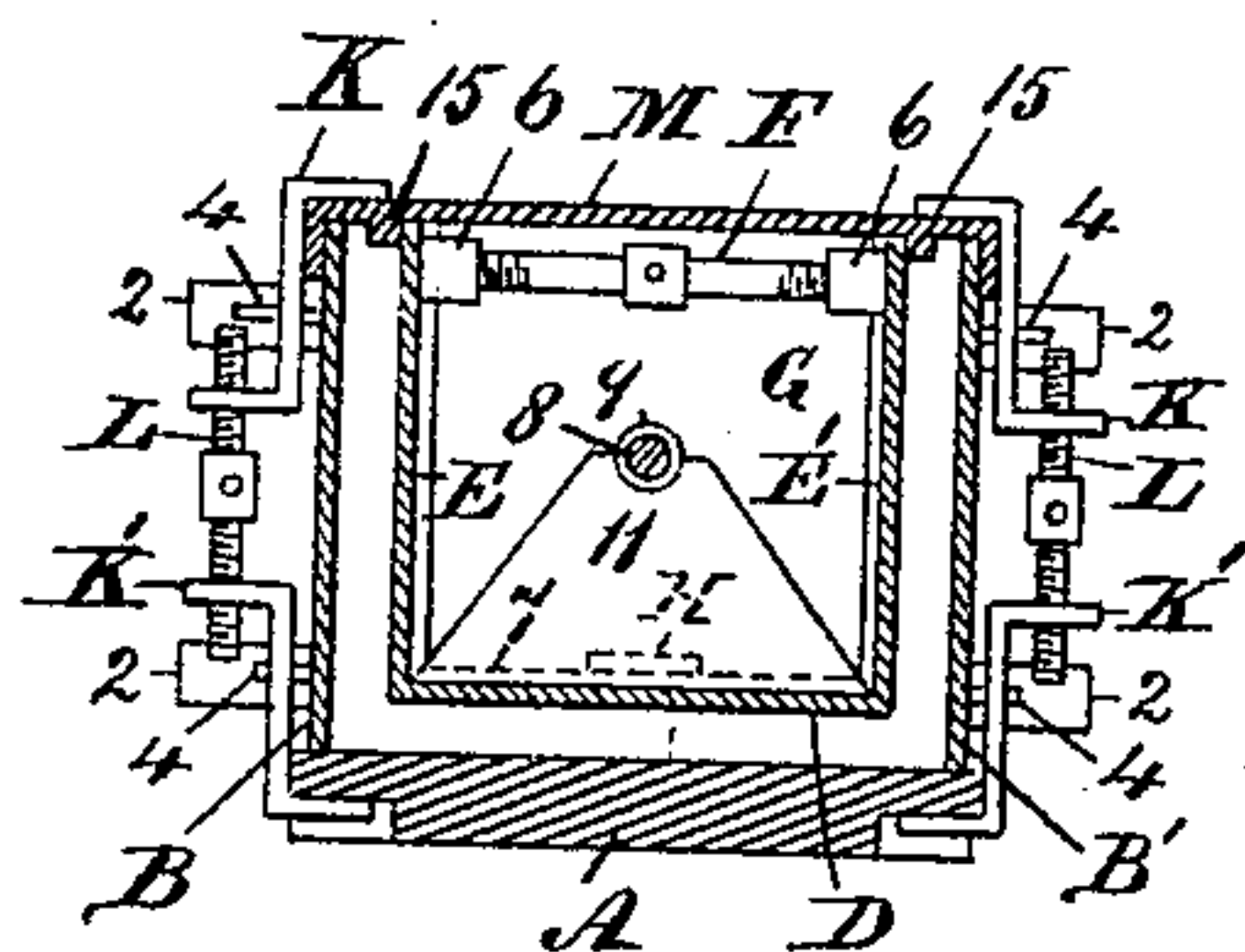


Fig. 3.

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UNITED STATES PATENT OFFICE.

WILLIAM JOHN ANTHISTLE, OF LONDON, CANADA.

COFFIN-SHELL MOLD.

SPECIFICATION forming part of Letters Patent No. 480,986, dated August 16, 1892.

Application filed April 20, 1892. Serial No. 429,826. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM JOHN ANTHISTLE, of London, in the Province of Ontario, in the Dominion of Canada, have invented

5 certain new and useful Improvements in Coffin-Shell Molds; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—
10 Figure 1 is a perspective view of my improved mold. Fig. 2 is a top view of the mold, the lid removed; and Fig. 3 is a section on line X X, Fig. 1.

My invention has for its object to readily
15 mold coffin-shells from cement in a plastic state, so that when molding is accomplished and the cement set the core can be diminished and the mold taken apart to release the molded form to harden and dry and permit of the
20 mold being again used without great intervals of delay.

My invention consists in the construction and combination of parts composing the mold, as will be hereinafter described, and set forth
25 in the claims.

A is a removable or detachable base or bottom of the mold, on which base rests the exterior shell or flask, consisting of longitudinal sides B B' and ends C C', and said sides and
30 ends are connected adjustably by the ends having arms 2, which pass through slots in the sides, and said arms have slots to receive a wedge or key 4, so that by driving the wedges the sides and ends will be tightened at the
35 joints, and when the wedges are removed or loosened the sides and ends can be loosened or separated and removed from the base A by the handles 5 5 at the respective ends.

The inner core of the mold consists of a
40 bottom D, integrally connected to the longitudinal sides E E', and said sides are connected by rods F F', which have right and left threads screwing into nuts 6, secured to the sides E E'.

G G' are the adjustable ends of the core, and said ends, respectively, form a bottom and three sides of a rectangle by flanges turned inwardly at the sides and bottom, whereby the ends G G' will telescope within the sides B B' and bottom D. The ends G
50 G' are connected by a rod 8, provided with right and left threads screwing into nuts 9,

secured to said ends, so that by turning the rod by a lever entering a hole 10 in the rod the core will be elongated or shortened, as may be desired.

11 is a bearing on which rod 8 rests for its support.

H is a guide-piece secured to the bottom D, under which guide the flange 7 slides to prevent the ends G G' rising from the said bot-
60 tom D.

The sides of the ends G G' are connected by a rod 13, having right and left threads screwing into nuts 14, secured to said sides, whereby the said sides are compressed against
65 the sides E E' of the core to make a tight joint.

The top of the shell and core are flush when the core rests on the cement within the shell or flask, and both shell and core are covered by a lid M, having a downward flange at the
70 side edges to keep the lid properly in place, and said lid has on the under side a bead 15, fitting against the outside of the core to make a rabbet around the inner edge of the coffin-shell to receive a rim on the cover-sections.

The lid M and base A are secured removably to the shell by clamps, consisting, preferably, of two bent and screw-tapped jaws K K', connected by a right-and-left-threaded
80 rod L, screwing into the tapped sections of the jaws, and the other end of the jaws is bent to seat against the lid and base, so that by turning the rods axially in one direction clamping will be effected and release obtained
85 by reversely turning the rods.

I claim as my invention—

1. The combination, with the mold-flask or exterior shell, of the inner core having sides E E', provided with nuts 6 and connected by
90 rods F F', provided with right and left threads screwing into said nuts, and the extensible ends G G', having side flanges provided with nuts 14 and connected by a rod 13, provided with right and left threads screwing into said
95 nuts, said ends provided with a nut 9 and connected by a rod 8, provided with right and left threads screwing into said nuts to elongate, widen, and contract said core, as set forth.

2. The combination, with the shell or flask
100 having a removable bottom A and slotted sides B B', ends C C', having arms 2, said

sides and ends connected by keys 4, as set forth, of the inner core having a bottom and sides, the sides having nuts 6, connected by screw-rods F F', the ends G G', having flanges
5 telescoping against said sides and bottom, said ends having nuts 9 and connected by a screw-rod 8, and said side flanges having nuts 14, connected by a screw-rod 13, the lid M,

fitting upon said shell and core, and the clamps fastening said lid and base or bottom A re- 10 movably, as set forth.

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