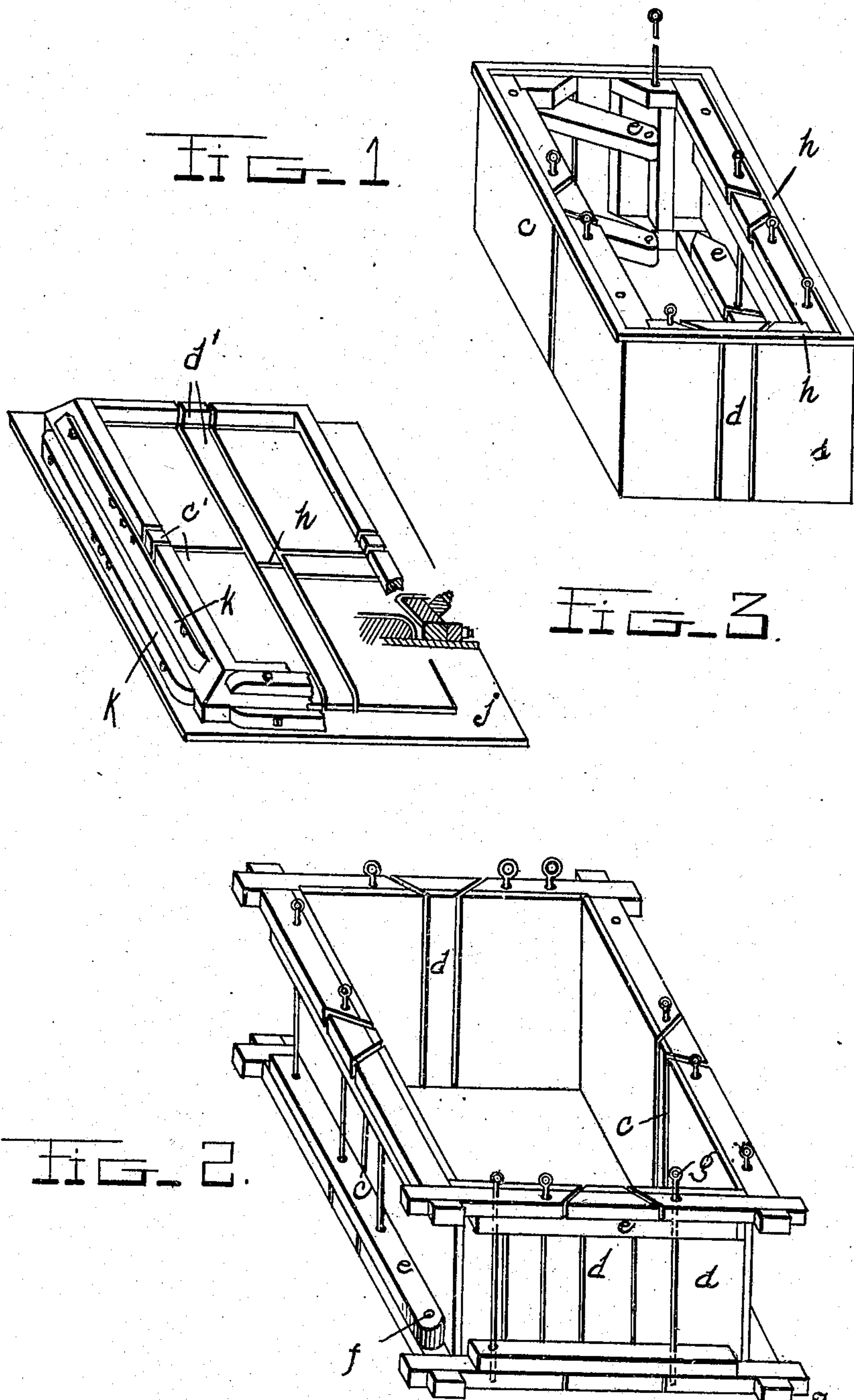


C. M. BROWN.
MOLD FOR THE CASTING OF CONCRETE BURIAL VAULTS.
APPLICATION FILED SEPT. 19, 1907.

936,861.

Patented Oct. 12, 1909.



Witnesses
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UNITED STATES PATENT OFFICE.

CHARLES MORTON BROWN, OF URBANA, ILLINOIS.

MOLD FOR THE CASTING OF CONCRETE BURIAL-VAULTS.

936,861.

Specification of Letters Patent.

Patented Oct. 12, 1909.

Application filed September 19, 1907. Serial No. 393,715.

To all whom it may concern:

Be it known that I, CHARLES MORTON BROWN, a citizen of the United States, residing at Urbana, in the county of Champaign and State of Illinois, have invented a new and useful Mold for the Casting of Concrete Burial-Vaults, a Box and Cover, Each in Monolithic Form.

The objects of my improvement are, first to provide a mold which can be used with slight changes, for casting burial vaults of various sizes; second, to provide a mold, which can be taken apart for greater convenience in handling.

The invention consists in the construction and arrangement of parts, as will be hereinafter described and particularly pointed out in the claim.

Figure 1 is a perspective view looking downwardly of the core or inner shell; Fig. 2 is a similar view of the outer shell for the mold for the box; Fig. 3 is a perspective view of the mold to be used in casting the lid, parts being broken out and parts shown in section.

Similar letters refer to similar parts throughout the several views.

The model here shown is made of wood, and lined with zinc. The corners *a a* of the mold are constructed solidly, and are not taken to pieces in varying the size. The variation in length and breadth is produced by using pieces *c c c'* and *d d d'* in pairs of varying widths in the sides and ends respectively. In the outer and inner shells of the concrete box, these pieces are made narrower on the face next the concrete, sloping to broader on the back, for convenience in fitting; they are held in place and the corners of each shell are connected by bars *e e* pivoted at one end as at *f f*; and held in place by pins *g g*. Holes are bored in frame and pivoted bars, to suit the various positions of the pins, necessitated by side and end pieces of different widths. On making a concrete box by the use of this mold, the outer shell is placed upon smooth level surface, and the concrete bottom of the desired thickness, is formed upon the space within. After it has set sufficiently to keep its shape, the core is adjusted within the outer shell, resting on the concrete bottom, and adjusted to a size, that leaves a space of a suitable thickness all

around between the outer shell and the core. The height of the concrete box is governed by the height to which the mold is filled with concrete. If the mold be filled to its full height, the strip *h h* forms a rabbet for the edge of the cover. The strip *h h* is provided in suitable lengths for each size to which the core is adjusted.

The mold for the cover differs slightly from the mold for the box, in that the pieces *c' d'* used for varying the size are made of the same width from face to back, and are secured by means different from those used for the mold for the box. Both shells of the mold are attached to a base *j* by means of screws inserted from the other side of the base. The inserted pieces are similarly held in place, and the outer shell is further strengthened by the pieces *k k*, which are fastened to the corners and to the inserted pieces by means of screws. Certain adjustments of the mold for the cover, leave a rectangular space in the middle *m*; this is filled by a small rectangular piece of the size required.

I am aware that prior to my invention, molds that can be taken apart and adjusted in size, have been made for the casting of concrete burial vaults. I therefore do not claim such a construction broadly, but;

What I do claim as my invention and desire to secure by Letters Patent, is;

A mold for casting burial vaults comprising upper and lower side and end rails, said rails being spaced apart at their inner ends in dove-tail shape, bars each having one end pivoted to a side rail and adapted to extend under said spaces of the side and end rails, means for detachably connecting the opposite ends of the bars to the side and end rails, and loose dove-tail pieces adapted to be inserted in said dove-tail spaces and contacting with said pivoted bars and rails so as to permit of longitudinal and transverse adjustment of the sides and ends of said mold, substantially as specified.

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

CHARLES MORTON BROWN. [L. s.]

Witnesses:

SAMUEL W. LOVE,
N. L. BURGLUND.