

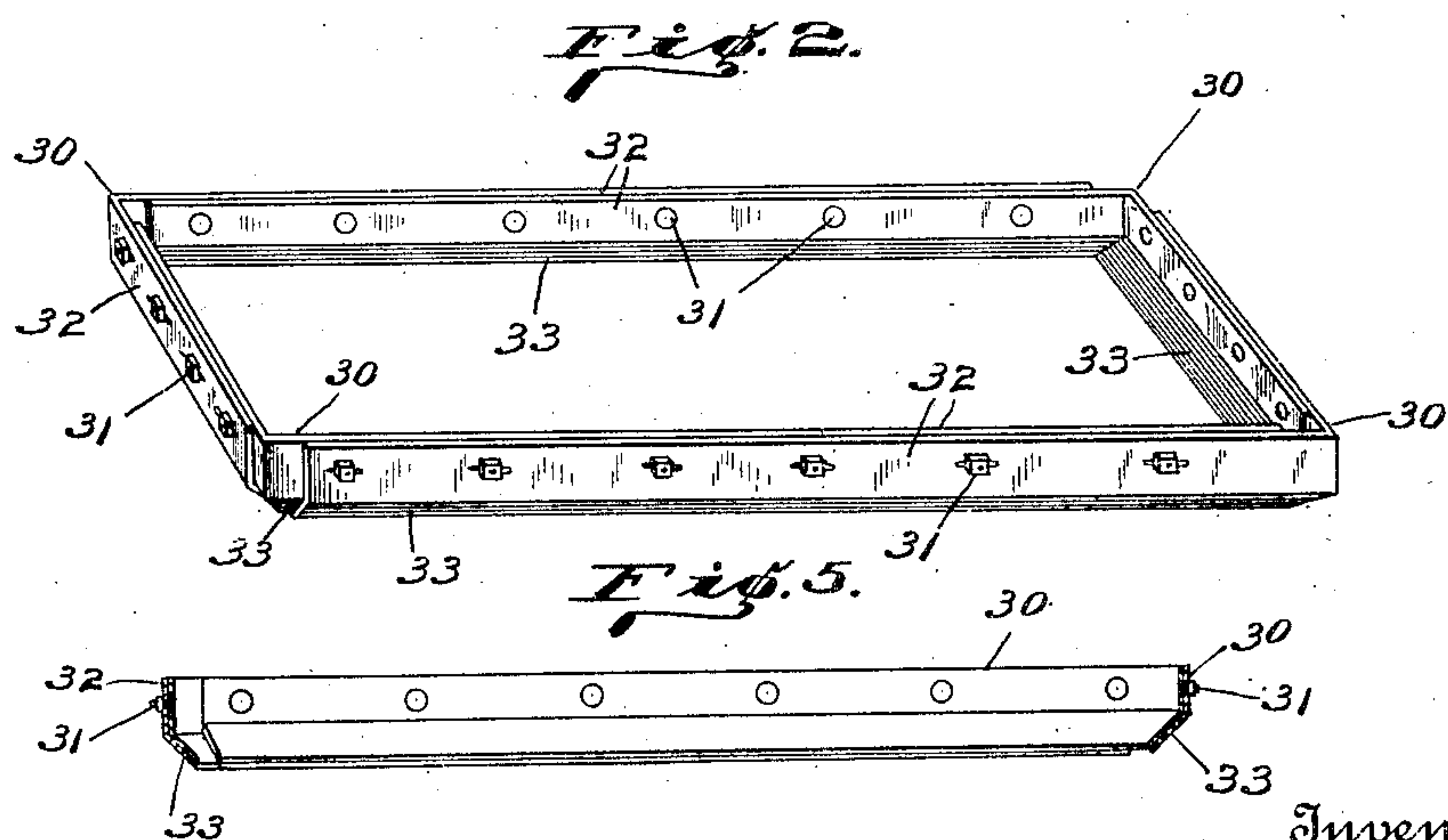
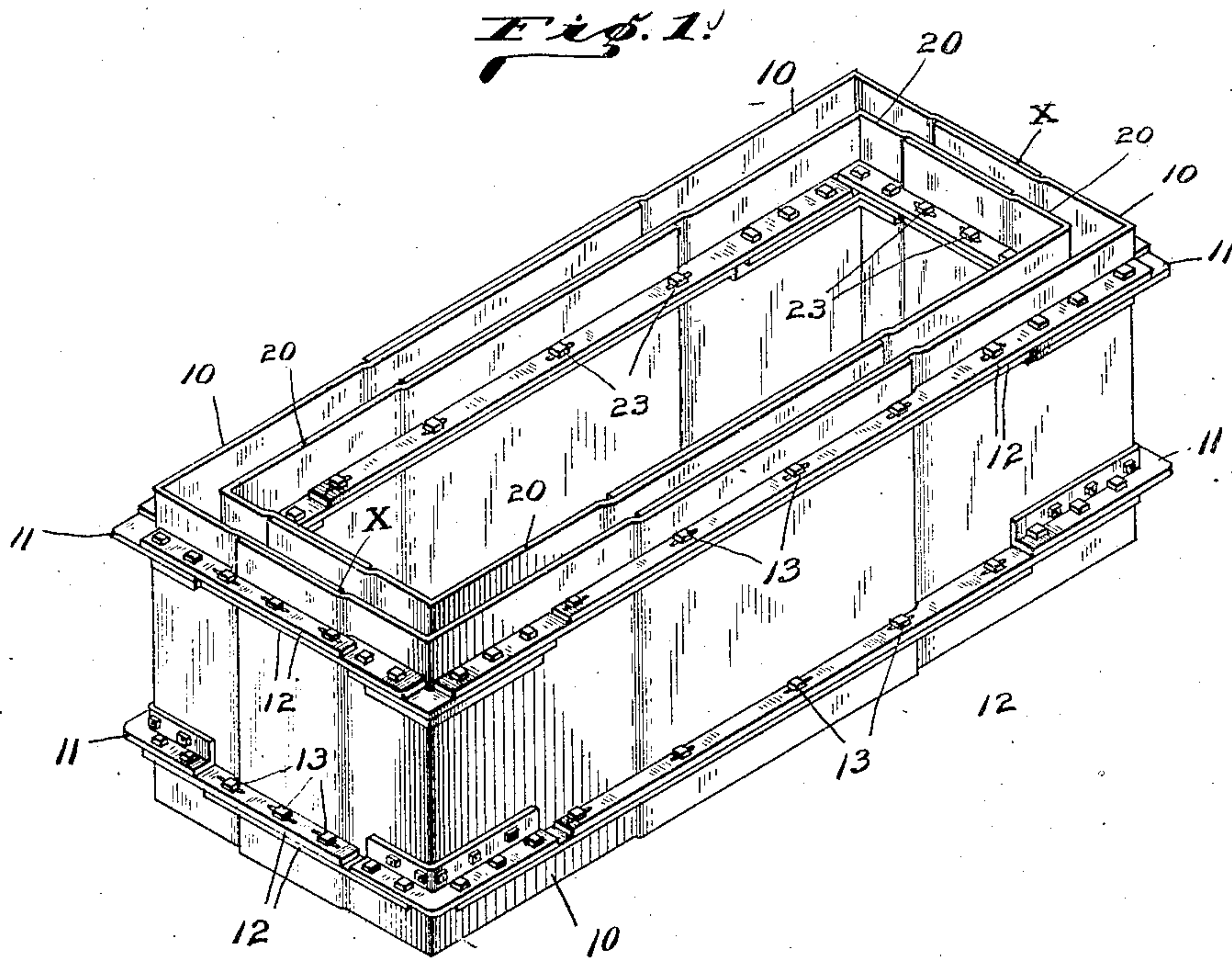
No. 836,798.

PATENTED NOV. 27, 1906.

C. D. BROOKSHIER & J. A. BALL.
CONCRETE MOLD.

APPLICATION FILED JULY 27, 1906.

2 SHEETS—SHEET 1.



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Fig. 3.

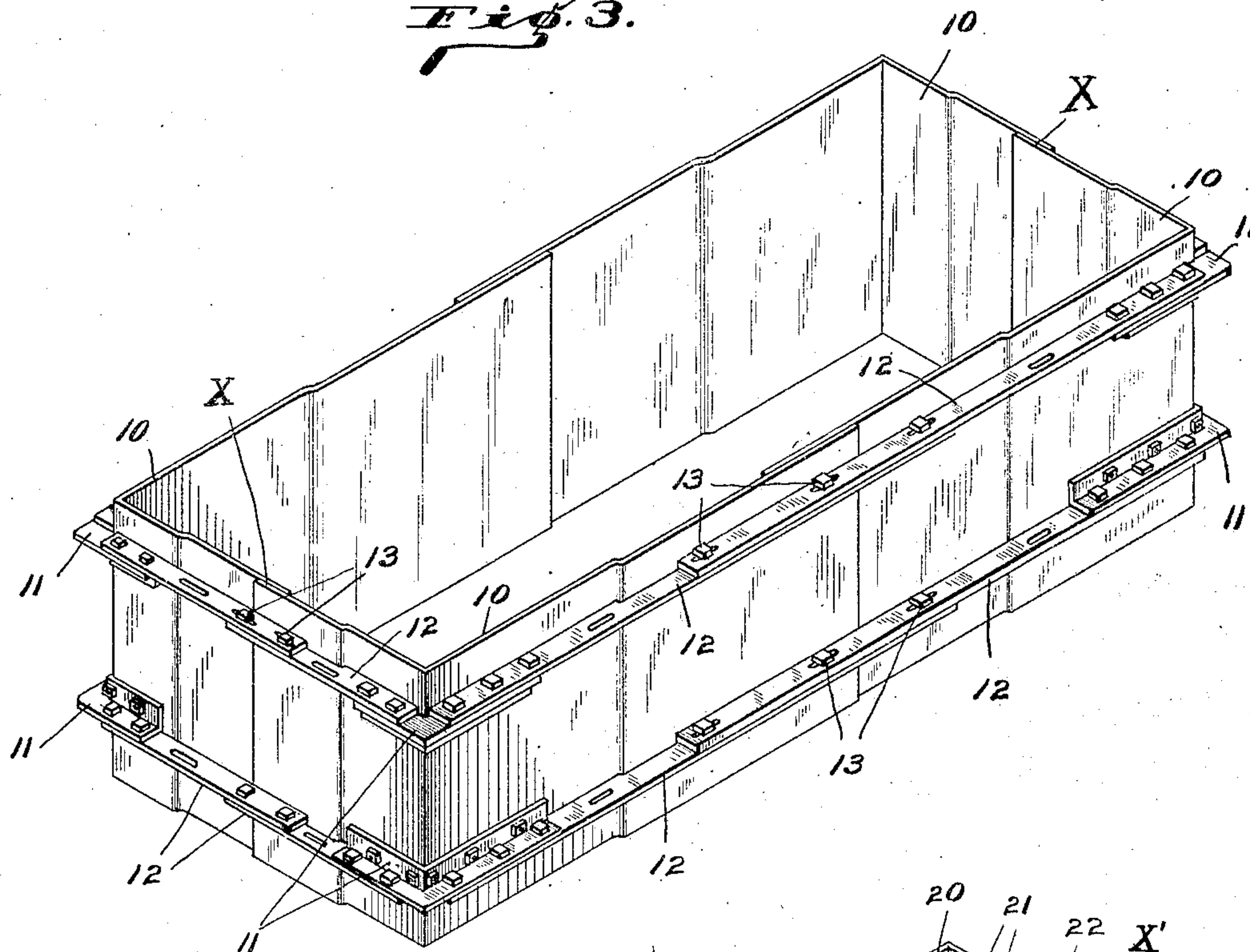
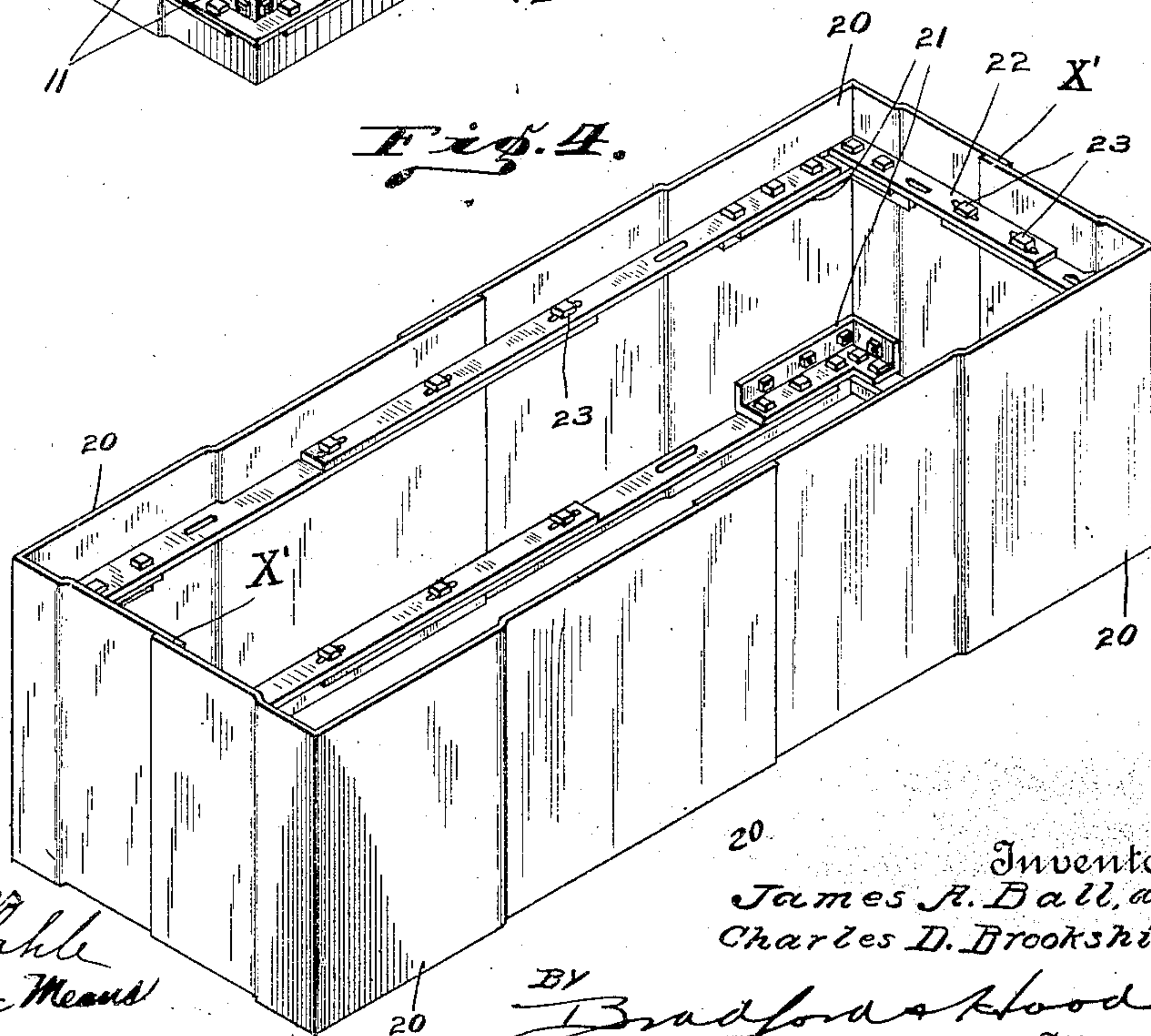


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES D. BROOKSHIER, OF LINTON, AND JAMES A. BALL, OF THORNTOWN, INDIANA.

CONCRETE-MOLD.

No. 836,798.

Specification of Letters Patent.

Patented Nov. 27, 1906

Application filed July 27, 1906. Serial No. 328,103

To all whom it may concern:

Be it known that we, CHARLES D. BROOKSHIER, residing at Linton, in the county of Greene, and JAMES A. BALL, residing at Thornstown, in the county of Boone, State of Indiana, citizens of the United States, have invented certain new and useful Improvements in Concrete-Molds, of which the following is a specification.

The object of our invention is to produce a mold for making receptacles, such as burial-vaults, from a plastic material, such as cement-concrete, the construction being such that the mold may be readily adjusted so as to permit the formation of two-piece receptacles of different lengths and widths.

The accompanying drawings illustrate our invention.

Figure 1 is a perspective view of our mold in assembled position for the smallest size; Fig. 2, a perspective view of the form for molding the cover-section; Fig. 3, a perspective view of the external mold extended for one of the larger sizes; Fig. 4, a similar view of the internal core similarly extended, and Fig. 5 is a transverse section of the cover-forming mold.

The external mold is formed of L-shaped members 10, each of which, at its corner, is provided with one or more corner-pieces 11, formed, preferably, of angle-iron suitably bent into an L and secured thereto. Secured to each arm of each bracket is a bar 12, extended along the adjacent arm of the L-shaped section forming the mold side, the outer free ends of these bars overlapping and being connected in different longitudinal adjustments by suitable bolts 13. Adjacent arms of adjacent mold members 10 are laterally displaced slightly in opposite directions, so that they may be overlapped, as shown at X, one of the mold-section arms lying a sufficient distance from the adjacent bar 12 to permit the overlapping mold-section arm to pass between it and the adjacent bar. By this means it is possible by loosening the several bolts 13 to collapse or expand the box-like mold form of the four L-shaped sections without the removal or introduction of filling members to complete the sides of the mold. The mold sides are formed, preferably, of sheet metal which is comparatively thin, and the lateral displacement of the overlapping sides does

not exceed one-half the thickness, so that the offsets formed in the face of the concrete are not great and may be readily troweled out at the time when the mold is removed.

The core member is formed, substantially like the external mold member, of four L-shaped wall-sections 20, having secured at their inner corner L-shaped braces 21, to each arm of which is secured a bar 22, the adjacent ends of which overlap and are adjustably connected by bolts 23. The adjacent arms of the L-shaped core sides 20 overlap, as at X'.

The top or cover of the vault may be formed in a mold composed of four L-shaped members 30, the arms of which overlap and are adjustably secured by bolts 31. Each member 30, in cross-section, is composed of a vertical arm 32 and an inclined arm 33, the inner angle between the two being obtuse. Any size cover may be readily obtained by loosening the bolts 31 and sliding the several members 30 on each other until the dimensions are obtained.

In operation the mold members 10 are adjusted upon each other without the use of filler members, so as to form a box of the required dimensions, and a floor of concrete is then laid in the bottom thereof, the mold being first placed upon a suitably smooth foundation. The mold members 20 are then adjusted upon each other to the required size, this being from two to four inches less in each direction than the internal dimensions of the external mold, and the core thus formed is placed within the external mold, and the space between the two molds is filled with plastic. The cover-mold is similarly adjusted and placed, with the arms 33 down, upon a suitable foundation-plate and filled with concrete. When the concrete has sufficiently set, bolts 23 may be loosened and the core slightly collapsed by moving the L-shaped sections together, whereupon the core may be easily withdrawn. The shallow vertical creases in the concrete may be then readily troweled out. The exterior mold is then removed by loosening bolts 13 and slightly separating the members 10, whereupon the structure may be lifted off from the completed vault. The members 12 or 22 are firmly attached to their supporting corner-pieces and to each other, and thus securely brace the overlapping arms of the mold-forming members.

We claim as our invention—

1. A mold comprising four L-shaped side-forming members the adjacent ends of which overlap, corner-pieces secured to the corners of each of said members and having portions extending along the side-forming members with their adjacent ends overlapping, and means for adjustably securing said overlapping ends together.
2. A mold comprising a pair of nested box-like members each comprising four L-shaped side-forming members the adjacent ends of which overlap, corner-pieces secured to the corners of each of said members and having portions standing along the side-forming members with their adjacent ends overlapping, and means for adjustably securing said overlapping ends together.
3. A mold comprising a pair of nested box-like members each comprising four L-shaped side-forming members the adjacent ends of which overlap, corner-pieces secured to the

corners of each of said members and having portions standing along the side-forming members with their adjacent ends overlapping, means for adjustably securing said overlapping ends together, and a cover-forming mold comprising four L-shaped members the arms of which are overlapped, and means for connecting said overlapping arms at different points of adjustment.

In witness whereof I have hereunto set my hand and seal, at Linton, Indiana, this 21st day of July, A. D. 1906.

CHAS. D. BROOKSHIER. [L. s.]

Witnesses:

JOHN B. MORGAN,
HOMER O. HART.

In witness whereof I have hereunto set my hand and seal, at Thorntown, Indiana.

JAMES A. BALL. [L. s.]

Witnesses:

GEO. A. YONG,
J. F. HOLMES.