No. 870,045. PATENTED NOV. 5, 1907.

J. M. PRUETT & W. ARD.

BURIAL VAULT MOLD.

APPLICATION FILED FEB. 23, 1907.

Fig. 1.

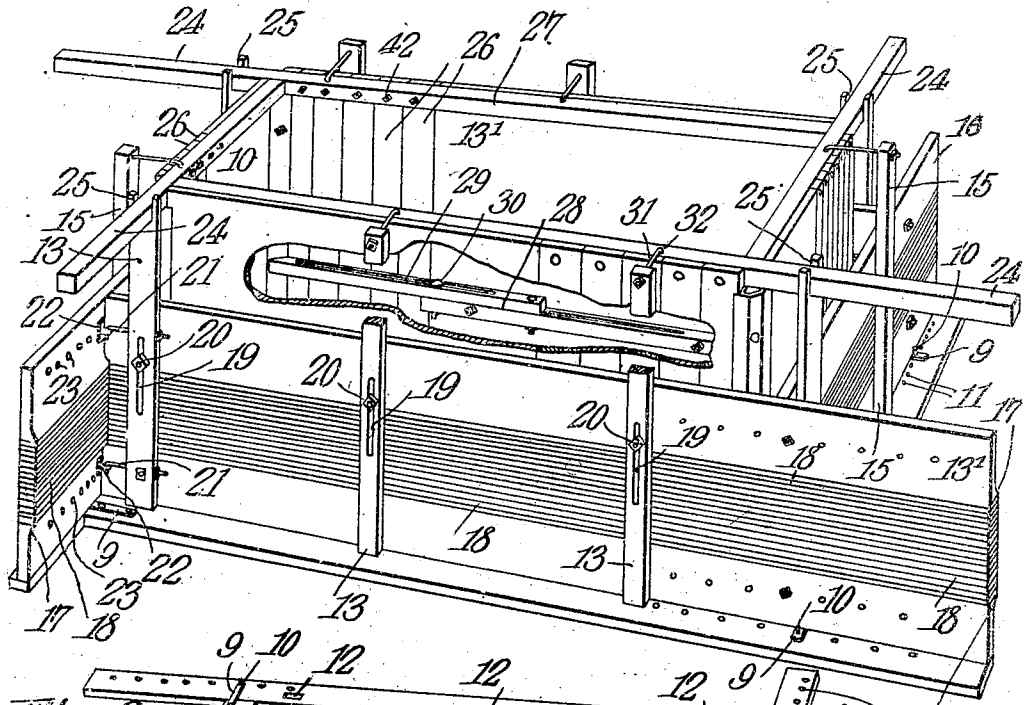


Fig. 2.

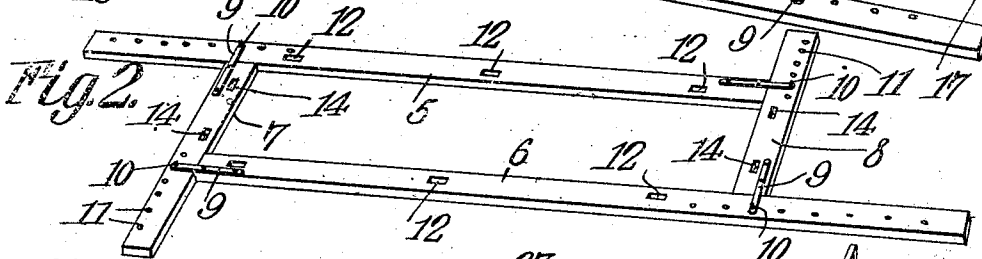


Fig. 5.

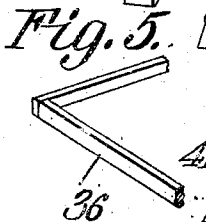


Fig. 3.

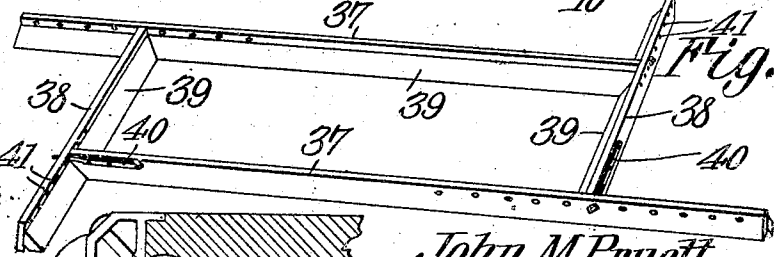
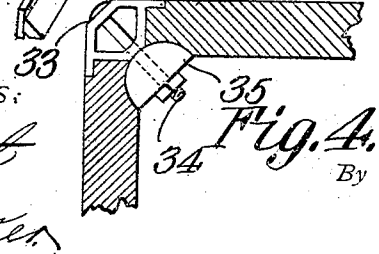


Fig. 4.



WITNESSES:

E. P. Stewart

T. S. Acker

John M. Pruett
William Ard
INVENTORS

By C. A. Snow & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN M. PRUETT AND WILLIAM ARD, OF ROCKVILLE, INDIANA.

BURIAL-VAULT MOLD.

No. 870,045. Specification of Letters Patent. Patented Nov. 5, 1907.

Application filed February 23, 1907. Serial No. 358,896.

To all whom it may concern:

Be it known that we, JOHN M. PRUETT and WILLIAM ARD, citizens of the United States, residing at Rockville, in the county of Parke and State of Indiana, have invented a new and useful Burial-Vault Mold, of which the following is a specification.

This invention relates to molds for making burial vaults, sarcophagi and the like from cement and other plastic material and has for its object to provide a mold capable of being readily adjusted thereby to permit the formation of vaults of different sizes and dimensions.

A further object of the invention is to provide means for locking the side walls of the outer mold section against lateral displacement and means for supporting the inner mold section in spaced relation to the outer section.

A further object is to provide a supporting base formed of a plurality of longitudinally and laterally adjustable members having interlocking parts whereby the base may be adjusted to accommodate the inner and outer mold sections.

A still further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the accompanying drawings, it being understood that various changes in the form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a perspective view of a mold constructed in accordance with my invention. Fig. 2 is a similar view of the base or bottom mold section removed. Fig. 3 is a perspective view of the mold for forming the top of the vault or burial casing. Fig. 4 is a transverse sectional view taken through one corner of the inner mold section. Fig. 5 is a perspective view of a portion of the strip for forming the cover receiving groove.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The mold comprises a base or bottom mold section consisting of spaced longitudinal bars 5 and 6 and transverse end bars 7 and 8, the longitudinal bars 5 and 6 being provided with metal straps 9 the free ends of which are formed with terminal perforations for the reception of suitable locking pins 10 which engage any one of a plurality of openings 11 formed in the transverse end bars 7 and 8 thereby to lock the longitudinal and transverse bars in adjusted position.

The longitudinal bars 5 and 6 are provided with spaced recesses or sockets 12 for the reception of the uprights or standards 13 of the side walls 13′ of the outer mold section, there being similar sockets or recesses 14 formed in the transverse end bars 7 and 8 for the reception of the uprights or standards 15 of the end walls 16 of the outer mold section.

The side and end walls of the outer mold section are each preferably formed of upper and lower timbers having their inner faces curved laterally, as indicated at 17 and between which are interposed a plurality of spaced removable strips 18, the upper timbers of said walls being slidably mounted on the standards 13 so as to permit any number of the longitudinal strips 18 to be removed thereby to vary the height of said walls.

The standards 13 and 15 are provided with elongated slots 19 in which are slidably mounted for vertical movement suitable clamping bolts 20, the latter being secured to the upper timbers of the side and end walls whereby said timbers may be locked in adjusted position.

The end walls 16 are locked in engagement with the side walls 13′ by means of suitable hooks 21 which engage corresponding eyes 22 carried by the end walls 16, there being one or more openings or apertures 23 formed in the end walls for the reception of the eyes when the mold is adjusted laterally to vary the size of the molded product.

The inner mold section is spaced from the outer mold section to form an intermediate molding compartment adapted to receive the cement, concrete or other plastic material, said inner mold section being provided with laterally extending arms 24 which engage suitable notches or recesses 25 formed in the adjacent standards thereby to support the inner mold section in spaced relation to the outer section and above the bottom section of the mold, as will be readily understood.

The side and end walls of the inner mold sections are formed of a plurality of removable slats 26 having their upper ends bolted or otherwise detachably secured to a longitudinal reinforcing strip 27 while their lower ends bear against an adjustable reinforcing strip 28.

The lower reinforcing strip 28 is preferably formed in two sections each provided with a longitudinal slot 29 adapted to receive a clamping bolt 30 whereby the lower bars may be adjusted when the vertical slats are removed.

The inner mold section is extended vertically above the outer mold section while the standards 13 and 15 of the outer mold section are preferably disposed in alinement with the upper edge of the inner mold section, there being suitable braces 31 secured to the free or upper ends of some of the standards and having their inner ends bent to form terminal lips 32 adapted to enter correspondingly shaped openings formed in the upper edge of the inner mold section.

The side and end walls of the inner mold section are detachably secured together by means of corner brackets 33 which engage the exterior walls of the inner mold

section and are secured in position by means of bolts 34, there being a curved strip 35 interposed between the head of the bolt and the blocks 33 to assist in holding the parts in assembled position.

In making a burial vault or case the cement, concrete or other plastic material is introduced into the compartment formed by the longitudinal and transverse end bars of the bottom mold section and the cement smoothed or troweled off flush with the upper surface of said bars after which the lower ends of the standards 13 and 15 are inserted in the sockets 12 and 14 and the side and end walls of the mold locked in adjusted position by forcing the hooks 21 into engagement with the eyes 22. The inner mold section is then positioned within the outer mold section with the arms 24 engaging the recesses 25 in the standards 13 and 15, the cement being subsequently introduced between said sections and tamped in the usual manner.

In some cases it is desirable to form the upper end of the vault or burial case with a seating groove for the reception of the cover of the vault so as to prevent accidental displacement of the cover and for this purpose there is provided a removable strip 36 designed to be positioned between the inner and outer mold sections after the cement in the molding compartment has been thoroughly tamped.

In order to remove the molded product it is merely necessary to release the clamping bolts 34 when the side and end walls of the inner mold section may be withdrawn vertically so as to prevent chipping, breaking or otherwise marring the finished face of the vault.

In Fig. 3 of the drawing there is illustrated a mold for forming the cover or top of the vault, said mold consisting of longitudinal and laterally adjustable bars 37 and 38 each provided with an inclined or beveled face 39 so that the cover may be formed with a marginal shoulder adapted to engage the seating groove in the upper edge of the vault formed by the strips 36.

The longitudinal bars 37 of the cover forming mold are provided with terminal straps 40 the free ends of which are adapted to enter any one of a plurality of openings or recesses 41 formed in the adjacent face of the transverse bars 39 whereby said bars may be adjusted and securely held in adjusted position while the concrete or cement is solidifying.

In order to vary the height of the outer mold section it is merely necessary to loosen the clamping bolts 20 and withdraw one or more of the slats or strips 18, the upper timbers of the side and end walls being then moved downwardly in engagement with the strips and secured in such position by tightening the nuts or bolts, as will be readily understood.

The inner mold section may also be adjusted by releasing the bolts 42 and detaching one or more of the vertical slats 36 and subsequently adjusting the lower reinforcing bars 28 by sliding the same longitudinally one upon the other and clamping the same by tightening the bolt 30.

In order to adjust the base or inner mold section it is merely necessary to remove the locking pins 10 and adjust the transverse and longitudinal bars longitudinally or laterally as the case may be until the desired adjustment is effected after which the pins 10 are passed through the terminal apertures in the straps 9 into engagement with the adjacent openings in the end bars.

Attention is called to the fact that by having the lower ends of the standards 13 and 15 seated in the sockets 12 and 14 the base of the outer mold section is securely braced against lateral pressure while the transverse bolts or braces 31 by engagement with the inner mold section serve to effectually brace the upper portion of said section.

From the foregoing description it will be seen that there is provided an extremely simple, inexpensive and efficient device admirably adapted for the attainment of the ends in view.

Having thus described the invention what is claimed is:

1. A mold including an adjustable bottom section provided with spaced sockets, an outer mold section engaging said sockets, and an inner mold section spaced from the outer section and supported by the latter.

2. A mold including an outer mold section provided with spaced standards having recesses formed therein, an inner mold section spaced from the outer section arms extending laterally from the inner mold section and adapted to engage said recesses for supporting the inner section in spaced relation to the outer section, and an adjustable bottom section forming a support for the outer section.

3. A mold including an adjustable bottom section provided with spaced sockets, an outer mold section including detachable side and end walls provided with vertical standards adapted to engage the sockets, there being recesses formed in the upper ends of some of the standards, an inner mold section spaced from the outer section, and arms projecting laterally from the inner mold section and adapted to engage the recesses in adjacent standards.

4. A mold including a bottom section formed of longitudinal and transverse bars arranged in rectangular form, one end of each bar being provided with a perforated strap and the opposite end thereof formed with a plurality of spaced openings, there being sockets formed in the bars between the straps and openings, pins passing through the perforations in the straps and engaging adjacent openings, an outer mold section resting on the bottom mold section and provided with spaced standards seated in said sockets, and an inner mold section spaced from and supported by the outer section.

5. A mold including a bottom section provided with spaced sockets, an outer mold section having spaced standards engaging said sockets, some of the standards being formed with terminal recesses, an inner mold section spaced from the outer section and provided with laterally extending arms engaging the recesses in said standards, and braces carried by the outer section and engaging sockets formed in the upper edge of the inner section.

6. A mold including a base provided with spaced socket, an outer mold section resting on the base and having its side and end walls formed of longitudinal timbers, removable strips interposed between the timbers and forming a continuation of the side walls, standards secured to the side and end walls of the sections and engaging the sockets in the base, there being slots formed in said standards, bolts secured to one of the timbers of said walls and extending through the slots in the standards, an inner mold section spaced from the outer mold section, and horizontally disposed bars secured to the free ends of the standards and engaging sockets in the upper edge of the inner mold section.

In testimony that we claim the foregoing as our own, we have hereto affixed our signatures in the presence of two witnesses.

JOHN M. PRUETT.
WM. ARD.

Witnesses:
W. J. WHITE,
Y. C. MILLER.