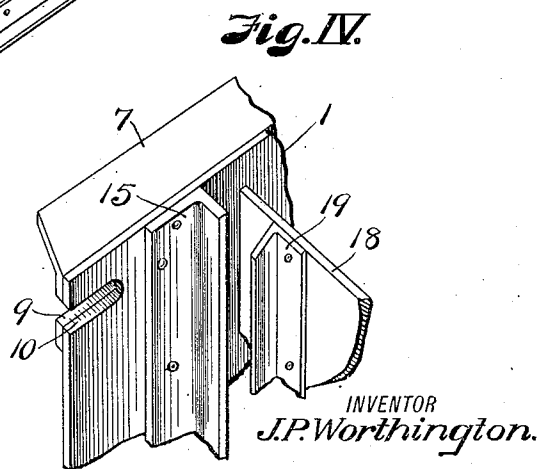
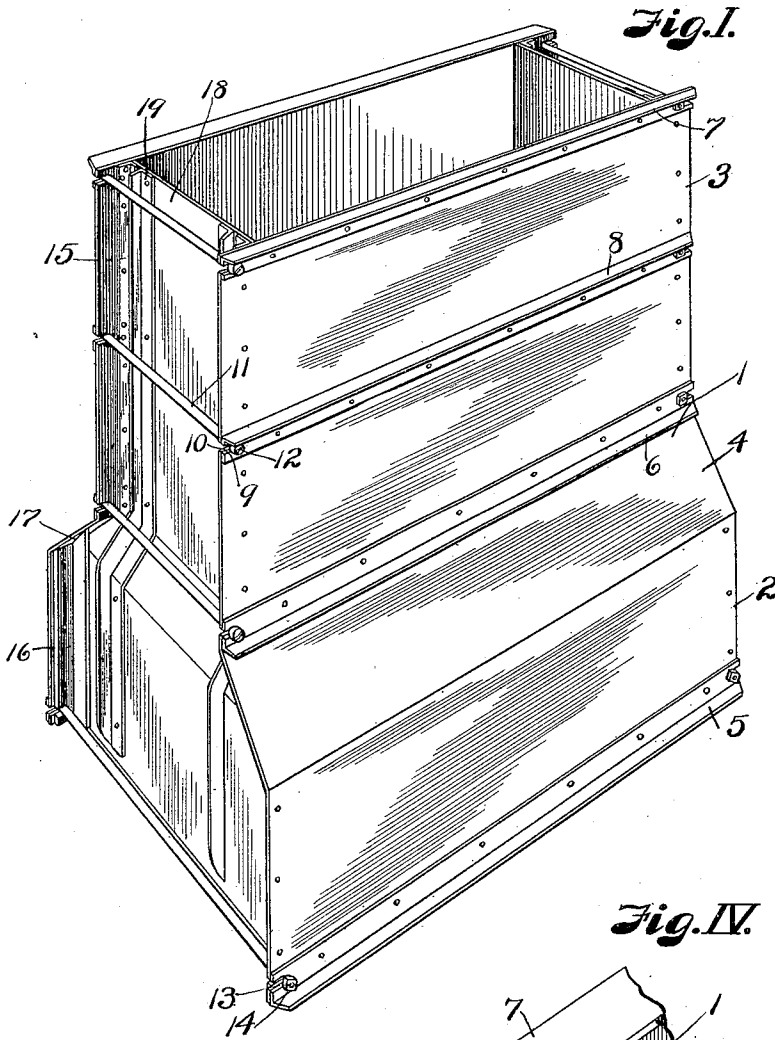


J. P. WORTHINGTON.  
MOLD FOR CASTING PLASTIC MONUMENTS.  
APPLICATION FILED MAY 14, 1912.

1,065,421.

Patented June 24, 1913.

2 SHEETS—SHEET 1.



WITNESSES:  
*Arthur W. Caps.*  
*W. A. Budd.*

INVENTOR  
*J. P. Worthington.*

BY  
*Arthur L. Brown.*  
ATTORNEY

J. P. WORTHINGTON.  
MOLD FOR CASTING PLASTIC MONUMENTS.  
APPLICATION FILED MAY 14, 1912.

1,065,421.

Patented June 24, 1913.

2 SHEETS—SHEET 2.

*Fig. II.*

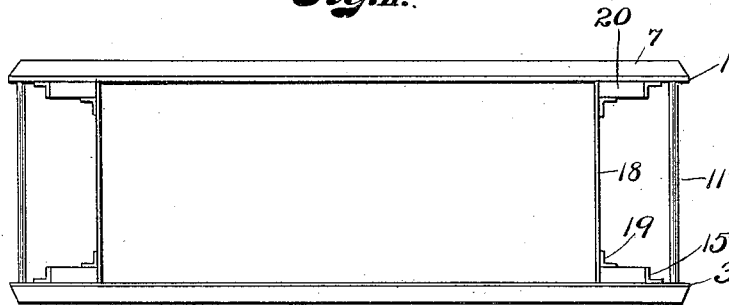


*Fig. III.*

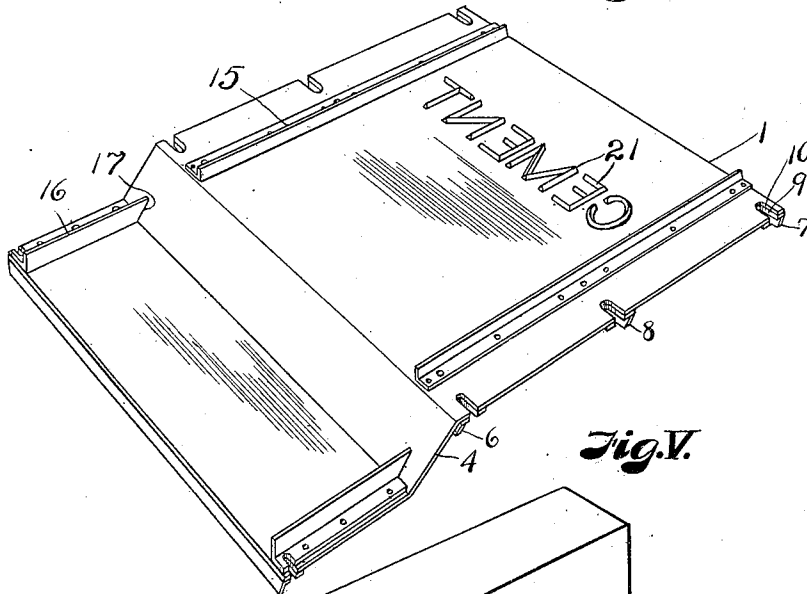
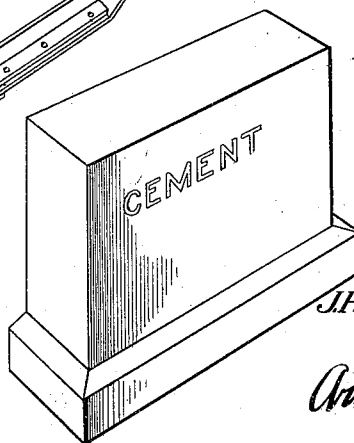


*Fig. V.*



WITNESSES:

*Arthur W. Cape.*

*W. M. Budd*

INVENTOR

*J. P. Worthington.*

BY

*Arthur C. Brown*  
ATTORNEY

# UNITED STATES PATENT OFFICE.

JAMES P. WORTHINGTON, OF KANSAS CITY, MISSOURI, ASSIGNOR TO CONCRETE MONUMENT COMPANY, OF KANSAS CITY, MISSOURI, A CORPORATION OF MISSOURI.

MOLD FOR CASTING PLASTIC MONUMENTS.

1,065,421.

Specification of Letters Patent.

Patented June 24, 1913.

Application filed May 14, 1912. Serial No. 697,123.

*To all whom it may concern:*

Be it known that I, JAMES P. WORTHINGTON, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Molds for Casting Plastic Monuments; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to a mold for casting plastic monuments, and more particularly to an adjustable mold for casting monuments of the same general contour but of different sizes, wherein a different inscription must be applied to each separate cast, the object of the invention being to provide a device of this character which is simple and economical in the initial construction and whereby monuments of the character mentioned may be made.

In accomplishing this object, I have provided the improved details of structure hereinafter described, wherein:

Figure I is a perspective view of a mold constructed according to my invention. Fig. II is a plan view of same, showing the adjustability of the end plates. Fig. III is an enlarged perspective view of one of the side plates showing the interior construction. Fig. IV is an enlarged perspective view of a corner of the mold showing portions of side and end plates. Fig. V is a perspective view of a monument formed by the mold and showing the inscription.

Referring more in detail to the parts: 1 designates a mold side plate, which is preferably constructed of heavy sheet metal, having an enlarged base 2 and a reduced upper section 3, the base and upper sections being connected by an inclined member 4 which extends at an upward and inward angle at the top of the base to the lowered edge of the reduced section. At the lower edge of the base in the angle between the incline member 4 and reduced section 3, and at the top of the reduced section, are angle irons 5, 6 and 7, which extend throughout the length of the plate to strengthen same and prevent

the material from warping or from bulging under pressure when a cast is being made. I also prefer to provide the reduced portion 3 with one or more strengthening angle members 8, and may provide the base section with similar members if necessary, although none are illustrated. In the ends of each of the angle members mentioned are slots 9 which register with like slots 10 in the ends of the side plate to receive tie rods 11 which extend across the ends of the mold, one end of each rod comprising a head 12 and the other end having a threaded section 13 provided with a nut 14 which may be tightened against the side plate to bind the two sides of the mold together and against the spacing end members.

It is apparent that the mold comprises two side plates of identical construction and that the tie rods 11 are located at both ends of the mold. Inset from the ends of the side plates are vertical angle members 15 and 16, the former being secured to the sides of the reduced section 3, the latter to the base section 2 and having inclined lips 17 lying over a part of the inclined side member 4, the faces of both angle members being directed inwardly to form stops for the mold end plates. At the ends of the mold are plates 18, which are of the same width and depth, for engaging and spacing the side plate 1, each of said end plates being enlarged at the bottom to fit between the base 2, reduced at the top to fit between the reduced upper sections 3, and having angling shoulders between the base and top on which the angling members 4 of the side plates are adapted to seat, so that when all of the plates are assembled a closed mold is formed. The end plates have angle bars 19 inset from the side edges thereof and adapted for bearing against the side angle members 15 and 16 to limit the outward movement of the ends, although the end plates are adapted for adjustment inwardly from the outer ends of the mold in order to reduce the length of the monument which it is desired to cast. At their lower ends, the end flanges 18 are turned outwardly to form the enlarged base section of the monument to correspond with the enlarged base section which is formed by the bars 2 of the side plates. When the end members 18 are moved inwardly to form

a small monument, blocks 20 are placed between the angle irons on the side and end members to brace the end members in such inset position.

- 5 21 designates letters which may be secured to the inner face of one of the side plates to form an inscription in the plastic material when the latter is poured into the mold and left to harden, said letters being removable in order that the plates may be used repeatedly for different casts. It is apparent that the letters may be applied to both of the side plates when it is desired to place an inscription on both faces of the monument 10 and that the end plates may also be supplied with said letters for the same purpose. 15

- In assembling the device, the end plates are set vertically and the side plates moved against the edges thereof to close the mold and the tie rods fitted into the end slots so that when the nuts are tightened against the side plates, all of the members will be held rigidly in position. The end plates are then moved inwardly to secure the proper length 20 for the monument, the blocks 20 mounted, and the nuts tightened to prepare the mold for receiving material. If an inscription is to be placed on the monument, the letters are cemented to the inner face of one of the side plates prior to the assembling of the parts. With the molds assembled, the material is poured into the top until the mold is partly filled, when it may be tamped, the 30

pouring and tamping operation continuing until the mold is full. The mold is then left in position until the cast has hardened, or set, when the plates may be removed to expose the monument. 35

It is apparent that the mold may be set up on the ground at the point where the monument is to be formed so that the hauling and setting of the stone is obviated. It is also apparent that by having removable lettering on the inner face of the plate, the same plate may be used for any number of monuments, thereby effecting a saving in the mold. 40 45

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent is:— 50

A mold for forming monuments, comprising side plates, having angle irons at their inner faces, with flanges projecting inwardly therefrom, end members having flanges on their outer faces, in line with the side plate flanges, blocks adapted for projection between the flanges on the side and end members to space the end members inwardly, and means for binding the side and end plates together. 55 60

In testimony whereof I affix my signature in presence of two witnesses.

JAMES P. WORTHINGTON.

Witnesses:

LETA E. COATS,  
ARTHUR W. CAPS.