

Feb. 21, 1939.

B. F. CURRAN

2,148,189

MOLD FOR PRECAST WALL FACINGS

Filed Aug. 23, 1937

2 Sheets-Sheet 1

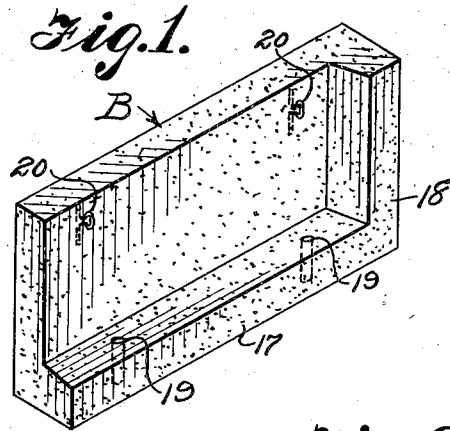
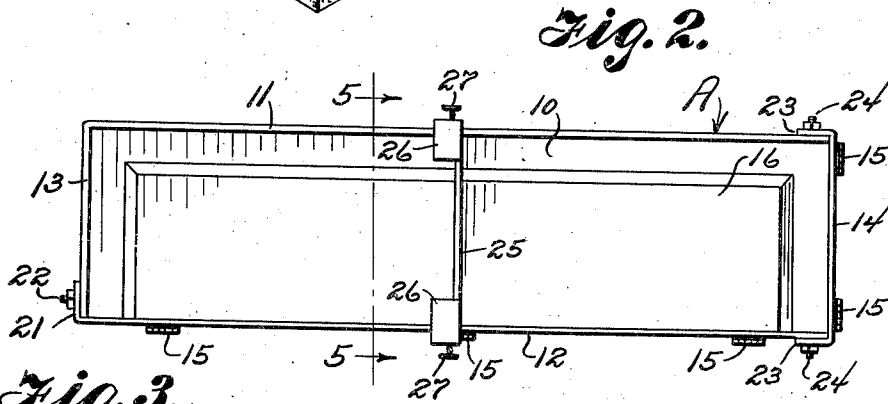


Fig. 3.

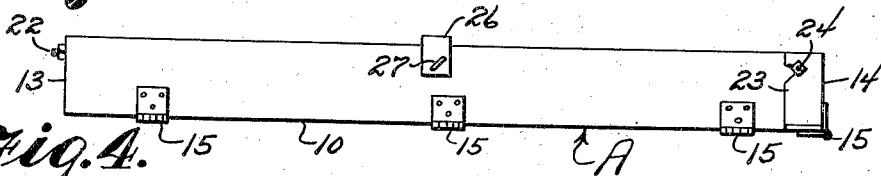
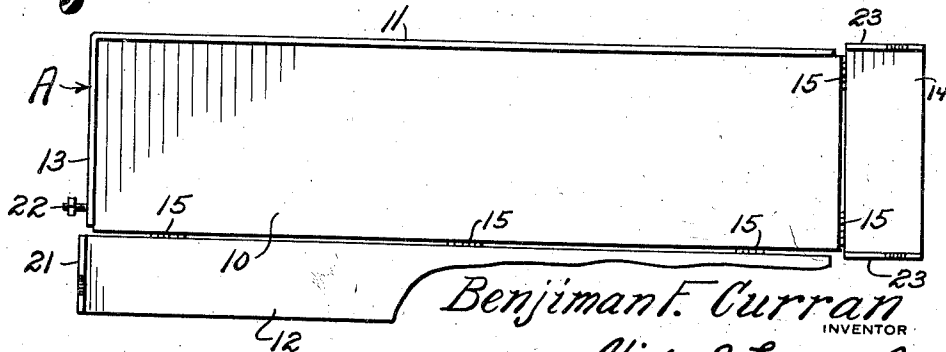


Fig. 4.



Benjamin F. Curran
INVENTOR

BY Victor J. Evans & Co.
ATTORNEYS

Feb. 21, 1939.

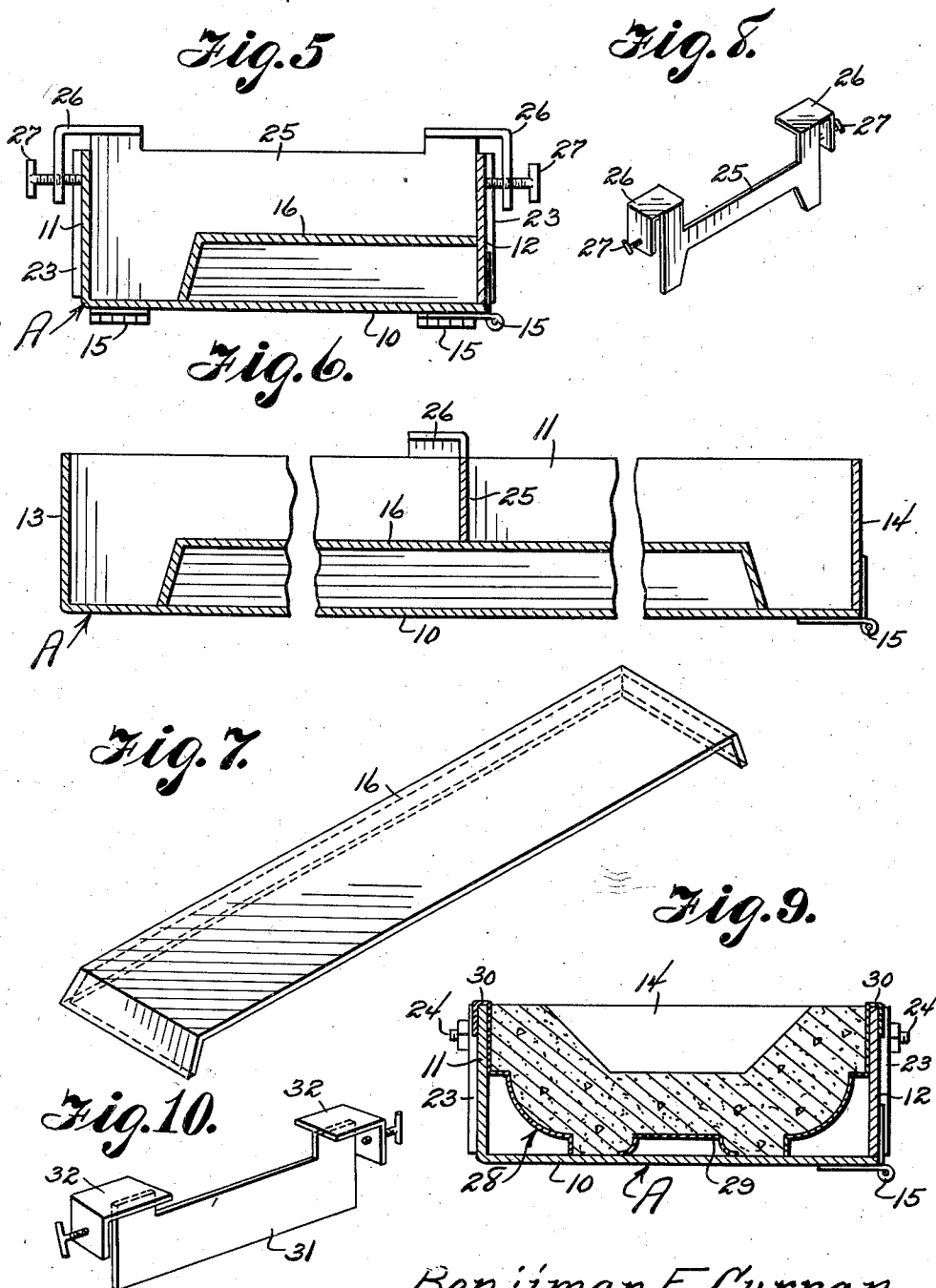
B. F. CURRAN

2,148,189

MOLD FOR PRECAST WALL FACINGS

Filed Aug. 23, 1937

2 Sheets-Sheet 2



Benjiman F. Curran
INVENTOR
By Victor J. Evans & Co.
ATTORNEYS

UNITED STATES PATENT OFFICE

2,148,189

MOLD FOR PRECAST WALL FACINGS

Benjiman F. Curran, Bristow, Okla.

Application August 23, 1937, Serial No. 160,506

2 Claims. (Cl. 25—121)

The invention relates to pan molds for concrete forms and more especially to molds for precast wall facings.

The primary object of the invention is the provision of a mold of this character, wherein the use thereof for precasting wall facings eliminates the use of temporary or knock-down forms in the erection of walls or the like, the mold being of novel construction and enables the precasting of blocks having facial configuration either smooth or ornamented as may be required.

Another object of the invention is the provision of a mold of this character, wherein there is involved a receiving pan for a filler mold and this pan accommodates a separator so that concrete or composite plastic material can be molded into a determined shape and size in conformity to the character of work required in the building of a wall or the like which by erection thereof avoids the necessity of the use of temporary or knock-down forms commonly employed.

A further object of the invention is the provision of a mold of this character, which is extremely simple in construction, thoroughly reliable and efficient in operation, enabling the precasting of blocks for use in wall construction or the like and giving thereto the size and design or ornamentation required, and inexpensive to manufacture.

With these and other objects in view, the invention consists in the features of construction, combination and arrangement of parts as will be hereinafter more fully described, illustrated in the accompanying drawings, which disclose the preferred embodiment of the invention and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is a perspective view of a wall block precast in accordance with the invention.

Figure 2 is a top plan view of the mold for the formation of the precast block in accordance with the invention.

Figure 3 is a side elevation of the mold.

Figure 4 is a view similar to Figure 2 showing the filler and separator removed with one end and a side of the pan open.

Figure 5 is an enlarged transverse sectional view taken on the line 5—5 of Figure 2 looking in the direction of the arrows.

Figure 6 is a vertical longitudinal sectional view.

Figure 7 is a perspective view of the filler.

Figure 8 is a perspective view of the separator.

Figure 9 is a view similar to Figure 5 showing a slight modification of filler.

Figure 10 is a perspective view of a modified form of separator.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, particularly Figures 1 to 8 inclusive, the mold constituting the present invention in its preferred form comprises a material receiving pan A preferably of elongated formation having a flat bottom 10, opposed longer side walls 11 and 12, respectively, and opposed end walls 13 and 14, respectively, the walls 11 and 13 being unitary with the bottom 10 and this pan is preferably made from sheet metal while the walls 12 and 14 each is hinged at 15 for the opening and closing thereof, the hinges being attached exteriorly to the bottom 10 and the said walls 12 and 14, respectively.

Adapted to be removably held within the pan A superimposed upon its bottom 10 is a molding or filler section 16 which in its make-up may be ornamented or smooth flat faced, the ornamentation being either in cameo or intaglio effect or both. When the molding or filler section 16 is within the pan A, the cementitious or concrete material in plastic condition can be poured into the pan A for the molding thereof into block form. A precast block thus molded is indicated at B having a base and end flange 17 and 18, respectively. The base flange has provided therein in any suitable manner openings 19 for accommodating anchoring wires while the body portion has set therein the anchoring members 20 enabling the tying of the blocks B together in the erection of a wall or the like.

The wall 12 of the pan A at one end is formed with a keeper ear 21 detachably engaged by a fastener 22 so that this wall 12 may be fastened in closed position while the wall 14 at opposite ends is formed with the keeper ears 23, these being engageable with fasteners 24 for holding the said wall 14 in a closed position.

Separably arranged transversely of the pan A is a separator blade or plate 25 adapted to bridge the molding or filler section 16 when within this pan and said separator 25 has formed at its top edge next to opposite ends thereof saddling brackets 26 carrying set screws 27, the brackets being adapted to override the walls 11 and 12 of the pan A while the set screws 27 are engaged with the latter and in this manner the separator is detachably secured in place for dividing the material poured within the pan into several pre-

cast blocks, one being indicated at B in Figure 1 of the drawings.

In Figure 9 of the drawings there is shown a slight modification of molding or filler section which is indicated at 28 and is provided with an ornamental area 29 having the slip-over flanges 30 for fitting opposed walls of the pan A and in this manner the precast blocks will have frontal face configuration according to the selected ornamentation required.

In Figure 10 of the drawings there is shown a slight modification of separator, wherein the blade or plate 31 carries at its top edge next to opposite ends thereof the clamps 32, these being the equivalent of the brackets 26 hereinbefore set forth and such clamps 32 spread beyond opposite side faces of the plate or blade 31 while the brackets 26 extend only beyond one side face of the blade or plate 25.

By the use of the precast blocks B temporary or knock-down forms in the erection of a wall or the like are not required, the same being entirely eliminated.

What is claimed is:

1. A mold of the character described comprising a pan-like body having one separately swing-

ing side and one separately swinging end, for opening and closing movements, a pattern unit removably held within said body, a wall removably fitting the said body and pattern unit for dividing the body into separated compartments, saddling brackets on said wall for engaging the body at opposite sides thereof and holding the swingable side in closed position, and means carried by the said brackets for the clamping thereof to the body.

2. A mold of the character described comprising a pan-like body having one separately swinging side and one separately swinging end, for opening and closing movements, a pattern unit removably held within said body, a wall removably fitting the said body and pattern unit for dividing the body into separated compartments, saddling brackets on said wall for engaging the body at opposite sides thereof and holding the swingable side in closed position, means carried by the said brackets for the clamping thereof to the body, and means for separably joining the swingable side and end to each other when in closed position.

BENJIMAN F. CURRAN.