

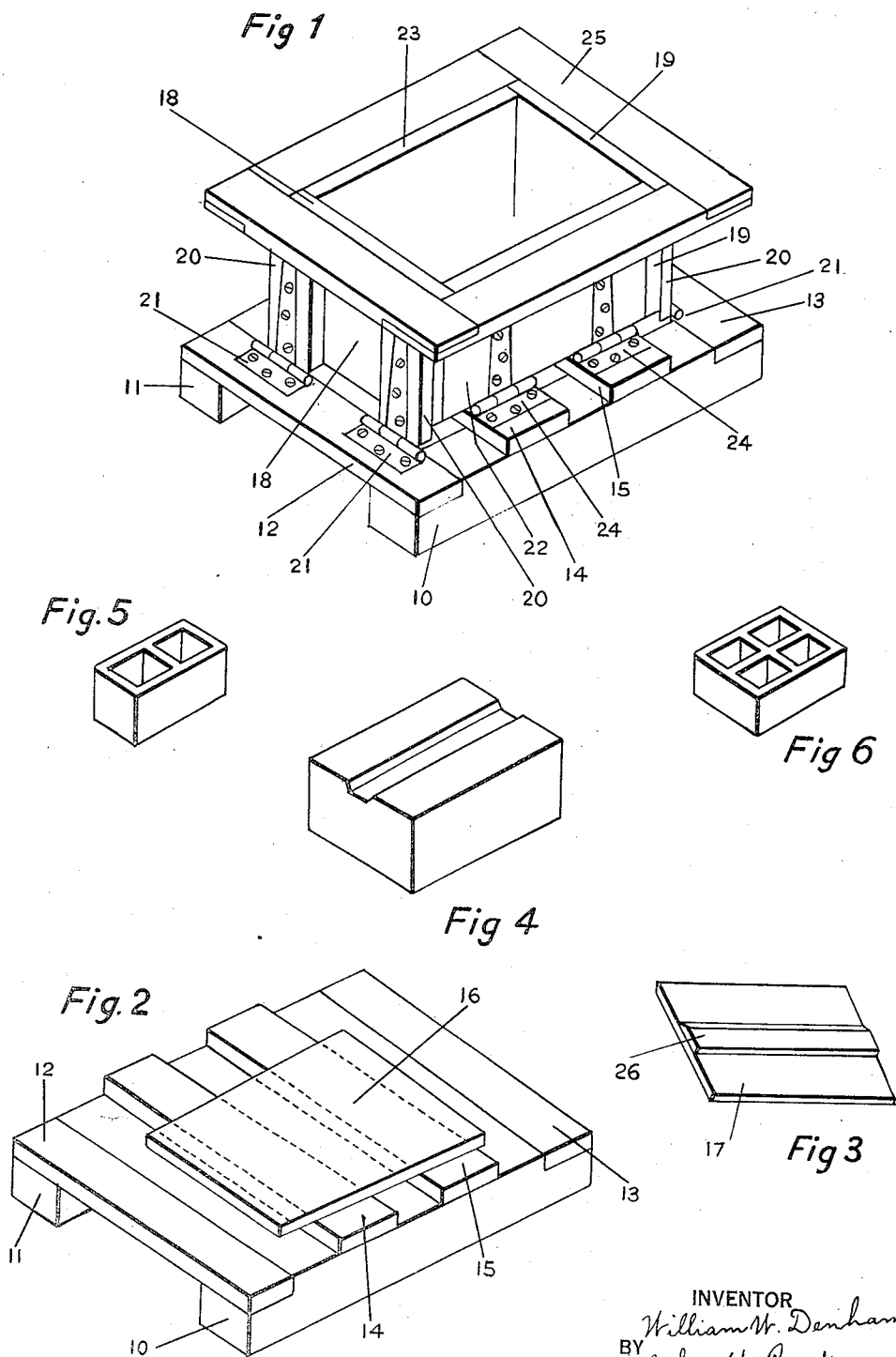
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CONCRETE BLOCK AND TILE MOLD

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CONCRETE BLOCK AND TILE MOLD

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3 Claims. (Cl. 25—121)

My invention relates to concrete block and tile molds. Among the objects of the invention are the provision of a device of this character in which articles of different shapes may be readily molded from concrete material and then easily and quickly removed thus permitting the mold to be used over and over without delay. Another object is to provide a device which is both simple and efficient and economical to manufacture. While the device may be made of any suitable material, its construction is such that in time of shortage of metals, all parts except the hinges may be made of wood.

The novel features which I believe to be characteristic of my invention are set forth with particularity in the appended claims. The invention itself, however, both as to its organization and method of use, together with additional objects and advantages thereof, will be best understood from the following description of a specific embodiment when read in connection with the accompanying drawing in which,

Fig. 1 is a perspective view of the device in closed condition.

Fig. 2 is a perspective view of the base of the device with one form of pallet in position thereon.

Fig. 3 is a perspective view of another form of pallet.

Fig. 4 is a view of a reinforcing tile made with the pallet last referred to.

Figs. 5 and 6 are views showing two of the various forms of blocks which may be made by placing the proper cores on the pallet shown in Fig. 2.

Referring to the construction shown in the drawing in order to illustrate the principles involved in this invention, the numerals 10 and 11 designate two side pieces spaced from each other and constituting part of the base of the device. The ends of these side pieces are connected by end pieces 12 and 13 set into the side pieces so as to be flush with the tops thereof. The side pieces are also connected by intermediate cross pieces 14 and 15 which pass thereover. These cross pieces are adapted to support pallets such as 16 shown in Fig. 2 or 17 shown in Fig. 3.

End molding members 18 and 19 which are duplicates are each provided with two vertical outside cleats 20 which stop a little short of the tops of the mold members for a purpose which will presently appear. Hinges 21 secured to the vertical cleats 20 and to the end pieces 12 and 13 serve to attach the mold members 18 and 19 respectively to the base.

Side molding members 27 and 23 which are duplicates are attached to the cross pieces 14 and 15 by hinges 24, it being noted that when the mold is in closed condition, then the end molding members abut against the ends of the side molding members respectively. In order to hold the mold in closed condition for the molding operation, a frame 25 is provided which not only fits closely around the four molding members but also rests upon the vertical pieces 20 so that this frame is kept substantially flush with the tops of the molding members. This facilitates filling the mold with concrete since the frame aids in guiding the concrete into place.

The operation and advantages of my invention will be apparent in connection with the foregoing description and the accompanying drawing. By means of the proper cores placed on the pallet 16, blocks of various shapes may be molded as for examples the blocks shown in Figs. 5 and 6. If a pallet 17 having a rib 26 thereon as shown in Fig. 3 is used, then reinforcing tiles such as shown in Fig. 4 may be made. Because the end molding members are hinged lower down than the side members, clearance is provided when the mold is opened to facilitate removing the pallet and the molded article thereon.

I claim:

1. A concrete block and tile mold comprising a base, a pallet supported by said base, end and side molding members hinged to said base, vertical outside cleats secured to said end molding members and stopping short of the tops thereof, and a frame whose members are of considerable width adapted to fit closely around said molding members when closed and to rest upon the tops of said cleats flush with the tops of said molding members whereby said frame has the double function of holding said molding members in closed position and of guiding the concrete into the mold.

2. A concrete block and tile mold comprising a base, a pallet supported by said base, end and side molding members hinged to said base, the end members being hinged lower down than the side members to provide clearance for removing the pallet and molded article, vertical outside cleats secured to said end members and stopping short of the tops thereof, and a frame whose members are of considerable width adapted to fit closely around the molding members when closed and to rest upon the tops of said cleats flush with the tops of said molding members whereby said frame has the double function of

holding the molding members in closed position and of guiding the concrete into the mold.

3. A concrete block and tile mold comprising a base consisting of two side pieces spaced from each other, two end pieces set into and connecting the ends of said side pieces respectively, and two intermediate pieces passing over said side pieces, a pallet supported by said intermediate pieces, side molding members hinged to said intermediate pieces, end molding members, vertical cleats secured to said end members and stopping short of the tops thereof, hinges attached to said cleats and to said inset pieces whereby

5 said end molding members are hinged lower down than said side molding members to provide clearance when the mold is opened, and a frame whose members are of considerable width adapted to fit closely around the molding members when closed and to rest upon the tops of said cleats flush with the tops of said molding members whereby said frame has the double function of holding the molding members in closed position and of guiding the concrete into the mold.

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