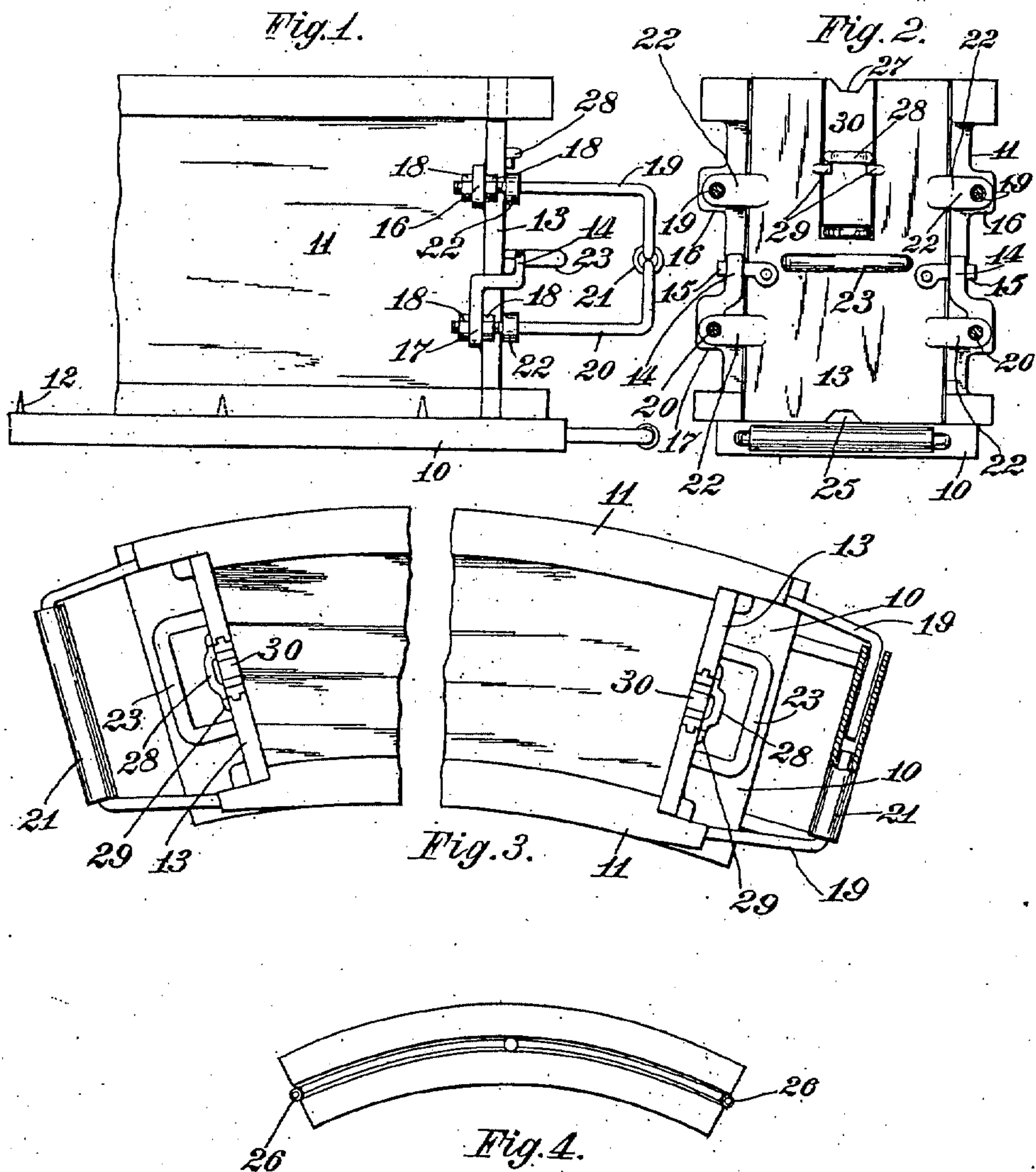


C. A. PERFECT,  
 DEVICE FOR MOLDING CONCRETE BLOCKS.  
 APPLICATION FILED-APR. 13, 1910.

989,721.

Patented Apr. 18, 1911.



Witnesses  
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# UNITED STATES PATENT OFFICE.

CHARLES A. PERFECT, OF SUNBURY, OHIO.

DEVICE FOR MOLDING CONCRETE BLOCKS.

989,721.

Specification of Letters Patent.

Patented Apr. 18, 1911.

Application filed April 13, 1910. Serial No. 555,161.

*To all whom it may concern:*

Be it known that I, CHARLES A. PERFECT, a citizen of the United States, residing at Sunbury, in the county of Delaware and State of Ohio, have invented a certain new and useful Improvement in Devices for Molding Concrete Blocks, of which the following is a specification.

The object of this invention is to provide an improved device of the class stated which is of simplified and economical construction and in which the sides and ends can be easily and simultaneously separated from the freshly molded block.

The invention is embodied in the particular instance of it shown in the accompanying drawing, set forth in the following description and pointed out in the claim appended thereto.

In said drawings—Figure 1 is a side elevation of the device at one end. Fig. 2 is an end elevation. Fig. 3 is a top plan view. Fig. 4 is a top plan view on a smaller scale of a block formed in such a device.

In the views 10 designates the pallet or that part which forms the bottom of the mold.

11, 11, are the sides. These sides are shown as curved so as to form a curved block such as is used in the construction of a circular wall, but such sides can be straight to form a straight or rectangular block.

The pallet is furnished with upright pins 12 along its edge to enter sockets in the lower edge of the sides for correctly positioning the sides on the pallet.

13 designates the ends.

The sides are provided with catches 14, which are extensions of ears 17, into which latches 15 pivoted on the ends can be turned to lock the ends to the sides. Secured in suitable ears at 16 and 17 at each end of each of the sides and by means of nuts 18 are the threaded ends of angular arms 19 and 20. The shanks of the pairs of these arms 19 and 20 at each side stand horizontally but are somewhat inclined inward toward the axis of the box, and beyond their shanks these arms are bent, the upper one downward and the lower one upward or the two toward each other, at a meeting point and then parallelly horizontally together inward so that the four terminal portions of such arms at each end of the device lie in a confining tubular handle 21. Each end of the box is provided with four perforated

ears 22 through which the shanks of the four arms pass. Each end piece is provided with a handle 23. When the ends 13 are locked to the sides as seen in Fig. 2 the pins 12 fit in the sockets in the lower edges of the sides before referred to.

The operation is as follows: The plastic cement or concrete mixture is put into the mold and properly tamped and troweled off at the top and the structure comprising the sides and ends and inclosing the block together with the block is lifted off the pallet and placed on a common drying board or floor doing away with a multiplicity of expensive pallets. The latches 15 are then removed from the catches and the two handles 21 and 23 at each end of the box are each gripped with one hand when a sufficient pull is exerted with the fingers to draw the ends outward. In this operation the inwardly inclined shanks of the arms 19 and 20, being convergent toward the axis of the structure, cause a wedging action of the ends between the shanks of the arms and cause the sides to separate and move away from the molded concrete block, after which the structure can be lifted from around the block. The shanks of the arms 19 and 20 in connection with the ears 16 and 17 on the ends 13 through which they pass serve when the ends are pushed inward to guide the sides and ends properly together into proper relation to each other for reseating the box on a pallet.

The pallet can be provided with suitable handles 24 at its ends for handling it.

Where it is desired to provide a block with a groove in its top and bottom the pallet 10 can be provided with a longitudinal rib 25, and the upper portion of the ends or slidable section therein can be provided with notches 27 for the passage or placing of a grooving device along the proper line. Where it is desired to embed a wire in the block, with loops for example as shown at 26, projecting from the ends of the block the end portions of the mold can be provided with a small removable section 30 slidable into or out of an upper portion of the end. 28 is a handle on said section, and stops on the end can coöperate with said handle to limit the downward sliding of the section so as to leave space for the projecting loop of wire. The wire or wires can be placed in position either before the box is filled or when it is filled to the plane where the wire is to lie within the block.

Some changes in the forms of the parts can be made without departing from the gist of the invention.

What I claim is:

- 5 In a mold for concrete blocks, the combination with sides having arms projecting from their ends, said arms being slightly convergent at their shank portions and turned directly inward at their ends, of a  
10 tubular sleeve in which said ends are con-

finer said sleeve serving as a handle and end walls fitting against the ends of the sides and wedging between the shanks of the aforesaid arms to separate the sides and a handle on the end walls, substantially as described. 15

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Witnesses:

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