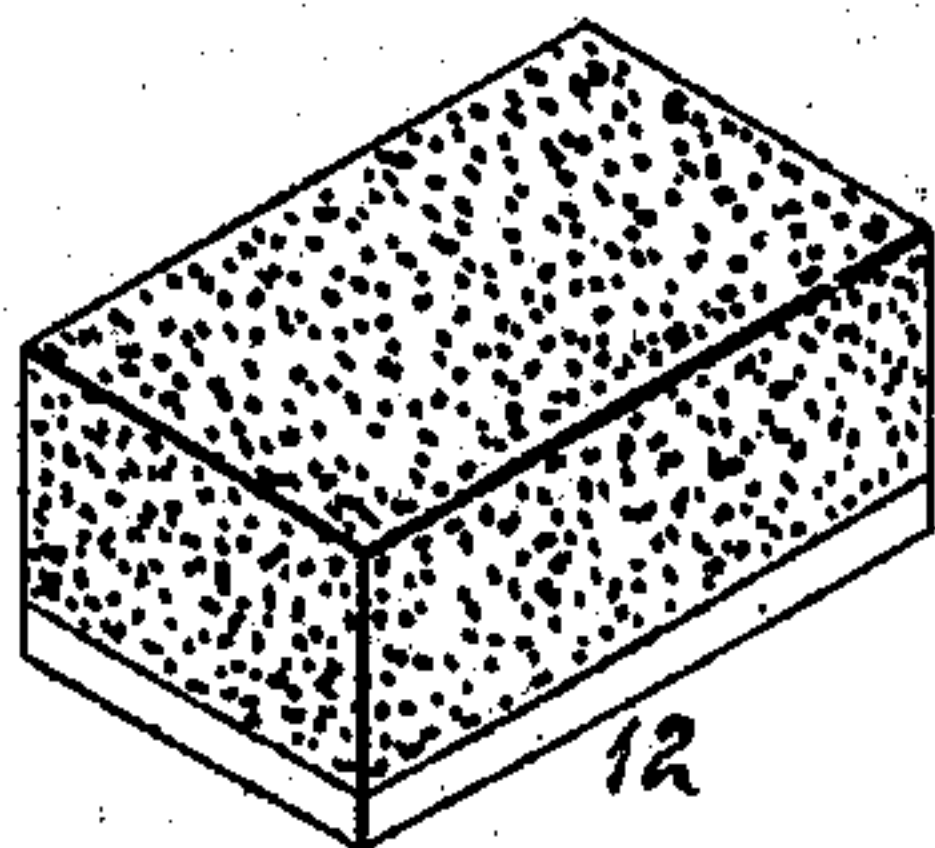
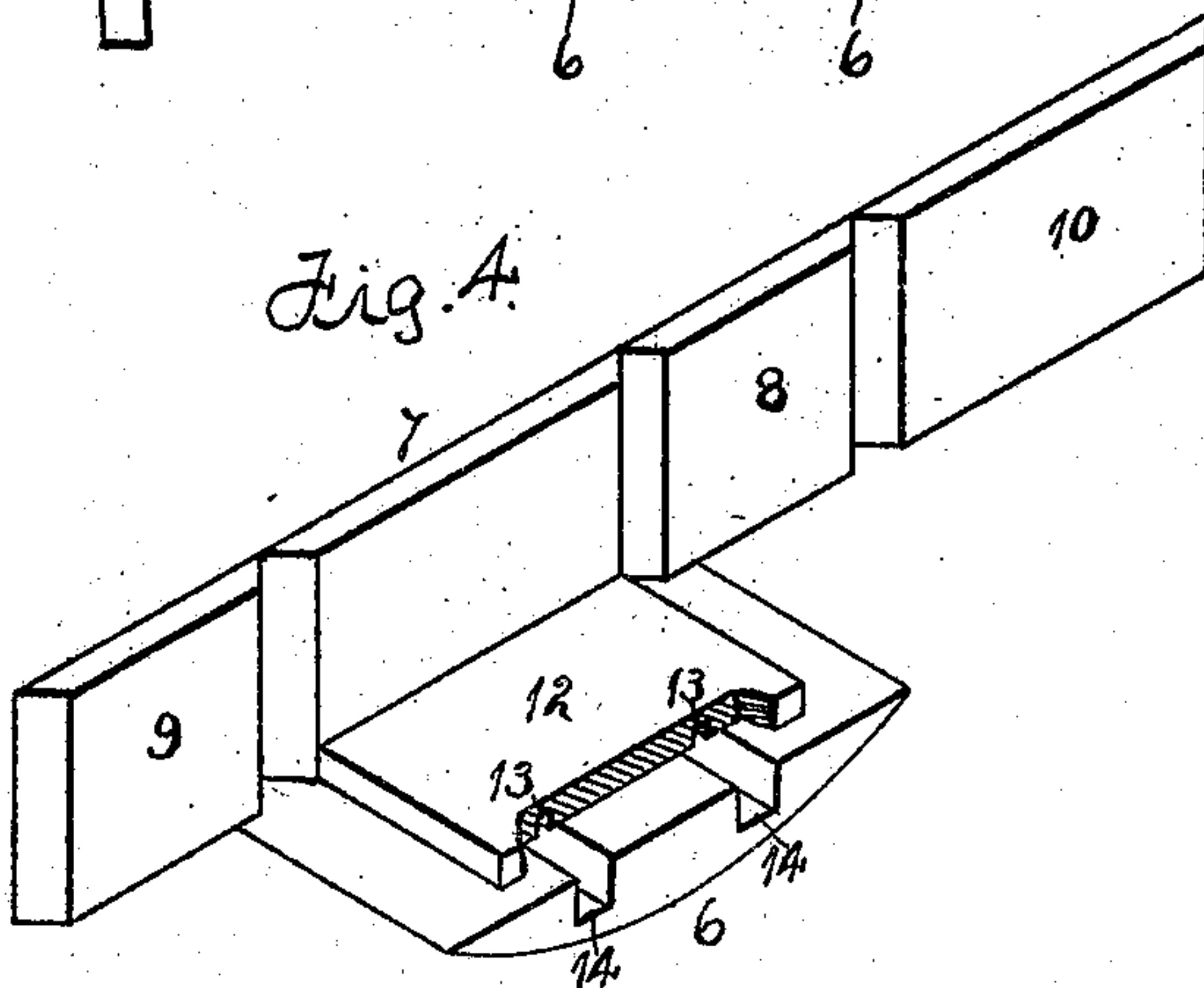
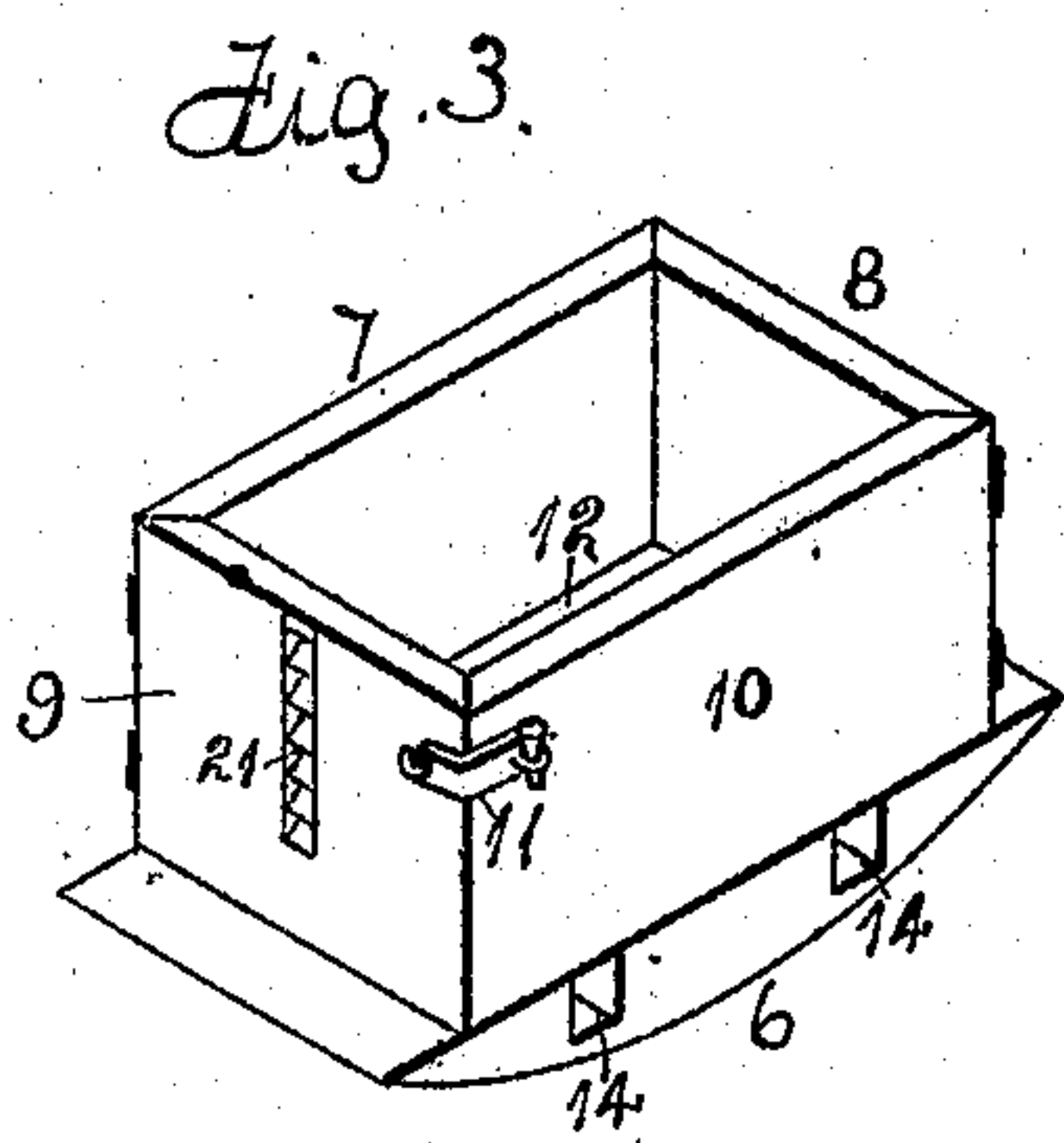
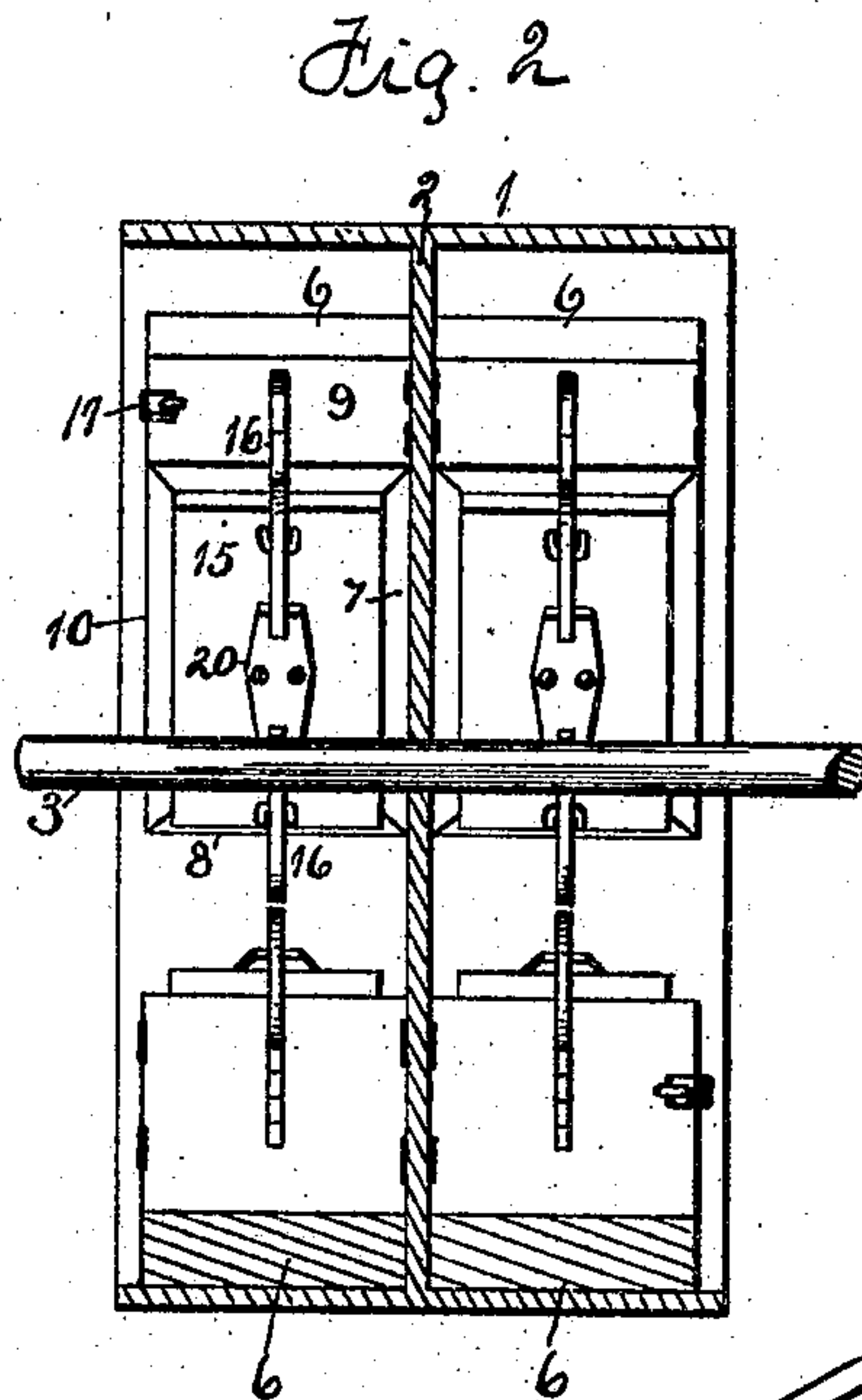
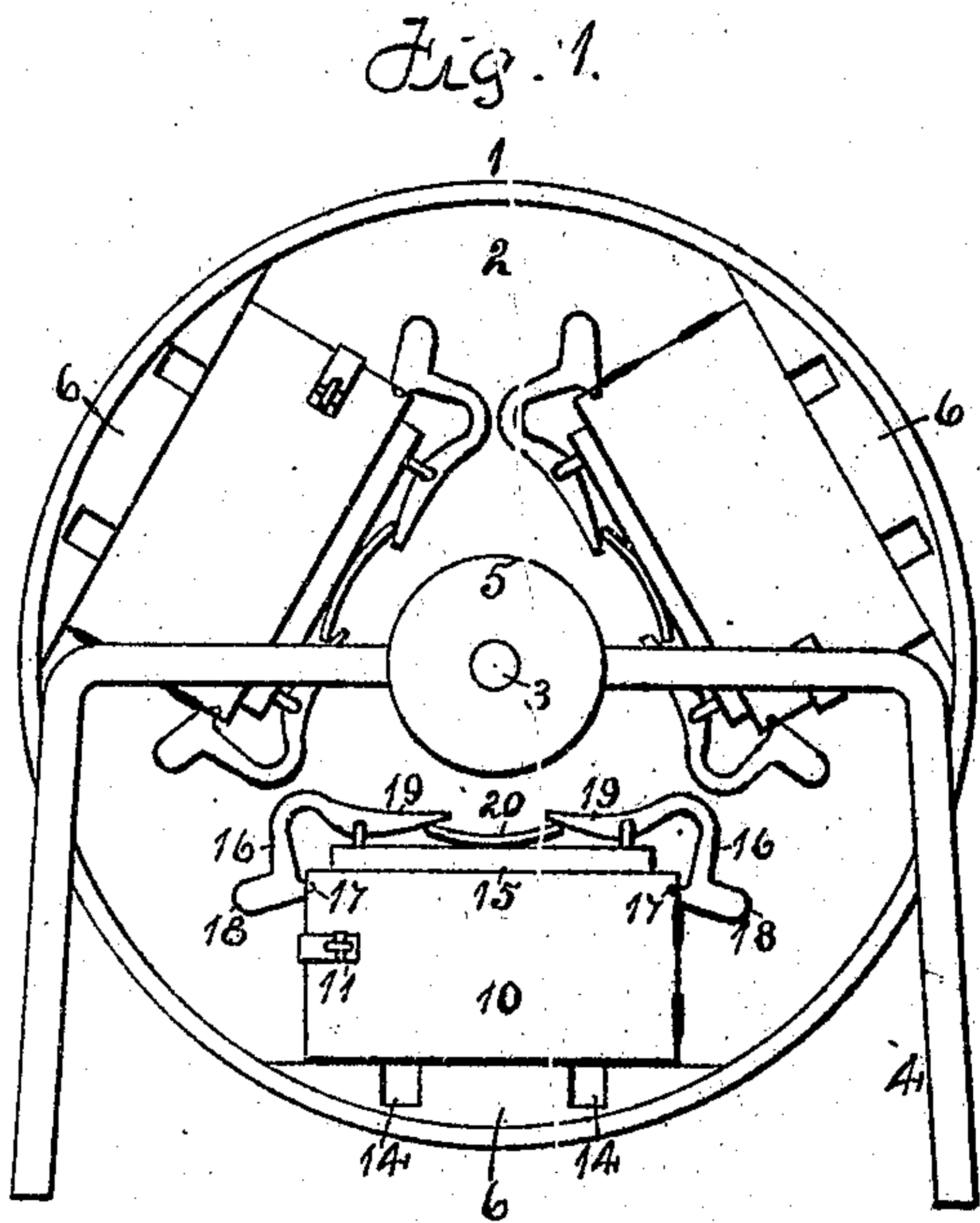


M. NASHOLD.
CENTRIFUGAL BLOCK MACHINE.
 APPLICATION FILED FEB. 3, 1908.

900,414.

Patented Oct. 6, 1908.



Witnesses:
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UNITED STATES PATENT OFFICE.

MENZO NASHOLD, OF DAVIS JUNCTION, ILLINOIS.

CENTRIFUGAL BLOCK-MACHINE.

No. 900,414.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Application filed February 3, 1908. Serial No. 414,103.

To all whom it may concern:

Be it known that I, MENZO NASHOLD, a citizen of the United States; residing at Davis Junction, in the county of Ogle and State of Illinois, have invented certain new and useful Improvements in Centrifugal Block-Machines, of which the following is a specification.

The object of this invention is to impart a centrifugal movement to a mold or molds containing a concrete mixture which will thoroughly and uniformly pack the mixture.

In the accompanying drawings, Figure 1 is an end elevation of my improved centrifugal block machine. Fig. 2 is a vertical central section. Fig. 3 is a perspective view of a mold and the pallet support. Fig. 4 is a perspective view of the mold in its open position showing the pallet and its support. Fig. 5 is a perspective view of the pallet and a concrete block thereon.

The drum 1 has a center transverse partition 2, and is supported by a shaft 3 extending in the lengthwise direction of the drum. The shaft 3 is supported by two stands 4, only one being shown, one located at each end of the drum, a pulley 5 has a connection with the shaft and is rotated by a belt connection with a suitable driver.

To the inner face of the drum are secured pallet supports 6, in this instance three each side of the transverse partition, but a greater or less number may be provided according to the size of the drum, and the size of the supports. Each support, the mold and pallet for each support being the same, a description of one will answer.

To the transverse partition is permanently secured the back wall 7 of a mold, and to this back wall are hinged ends 8 and 9. The front 10 of the mold is hinged to the end 8, and the free end of the front is detachably connected to the free end of the end 9 by the clasp 11. The ends and the front are supported to move over the pallet support 6. A pallet 12 is of a size to fit within the mold and has two holes 13 in its underface which communicates with the grooves 14 in the pallet support. A top 15 is of a size and form to fit closely within the open end of the mold. To the top at each end thereof

is pivoted a catch 16 which has a hook 17, a handle 18 and a projecting portion 19. A plate spring 20 is secured to the center of the top, its free ends resting beneath the projecting portions 19 of the catches. The ends 8 and 9 of the mold are provided with saw-toothed notches 21 arranged in a vertical series.

In use, the pallet is placed in position within the mold, the ends and front of the mold are folded around the pallet and locked together. Moistened concrete mixture is placed in the mold and leveled off even with the open end of the mold. The top 15 is then placed over the concrete and the catches placed in engagement with the notches 21, the plate spring 20 will hold the catches in engagement with the ends of the mold. After the other molds are thus filled and closed, the drum is rotated, which will throw the concrete outward, thereby packing it close within the mold. This centrifugal force will also move the top to the mold against the concrete, as it packs in the mold. The catches 16 will engage the notches 21 and hold the top from dropping out as the drum rotates. After the drum has been rotated to pack the cement in the molds, the drum is stopped from rotating, and the tops removed from the molds, the molds are then opened and the pallets with the concrete blocks in position thereon removed from their supports by hooks entering the holes in the underside thereof. New pallets are inserted in place, the molds closed and the operations repeated. By revolving the molds, all tamping of the concrete is dispensed with.

I claim as my invention.

1. A centrifugal block machine, comprising a rotatable drum, a mold located in the drum having one side secured to the drum, and other sections movable, a movable pallet and a stationary pallet support.

2. A centrifugal block machine, comprising a rotatable drum, a mold located in the drum having one side secured to the drum and other sections movable, a movable pallet, a stationary pallet support, a removable portion for the open end of the mold, and self adjustable catches for the removable portion.

3. A centrifugal block machine compris-

ing a rotatable drum, a mold located in the drum having one side secured to the drum and other sections movable, a movable pallet, a stationary pallet support, a removable portion for the open end of the mold, and spring operated catches for the removable portion.
In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

MENZO NASHOLD.

Witnesses:

A. O. BEHEL,
E. D. E. N. BEHEL.