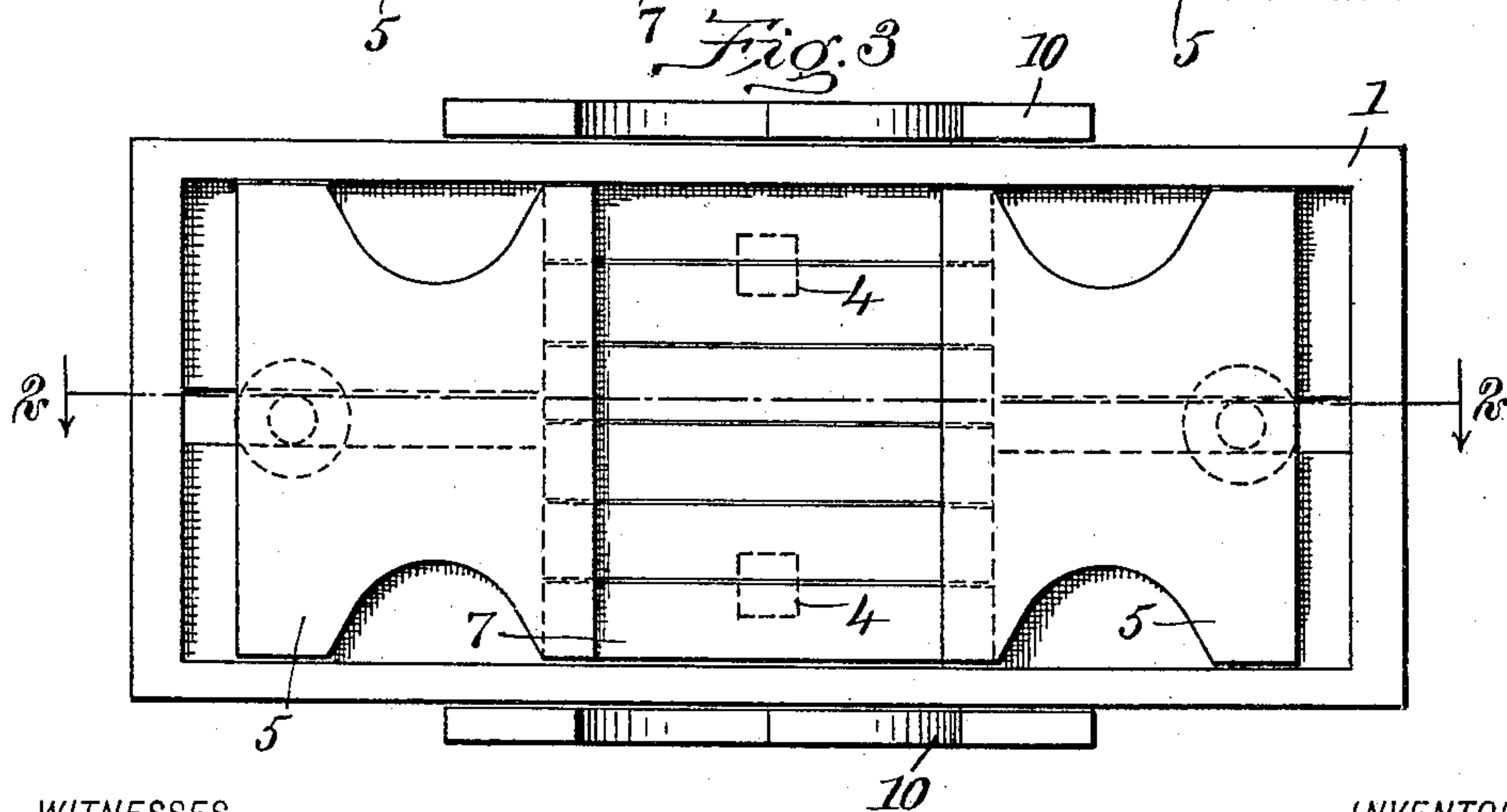
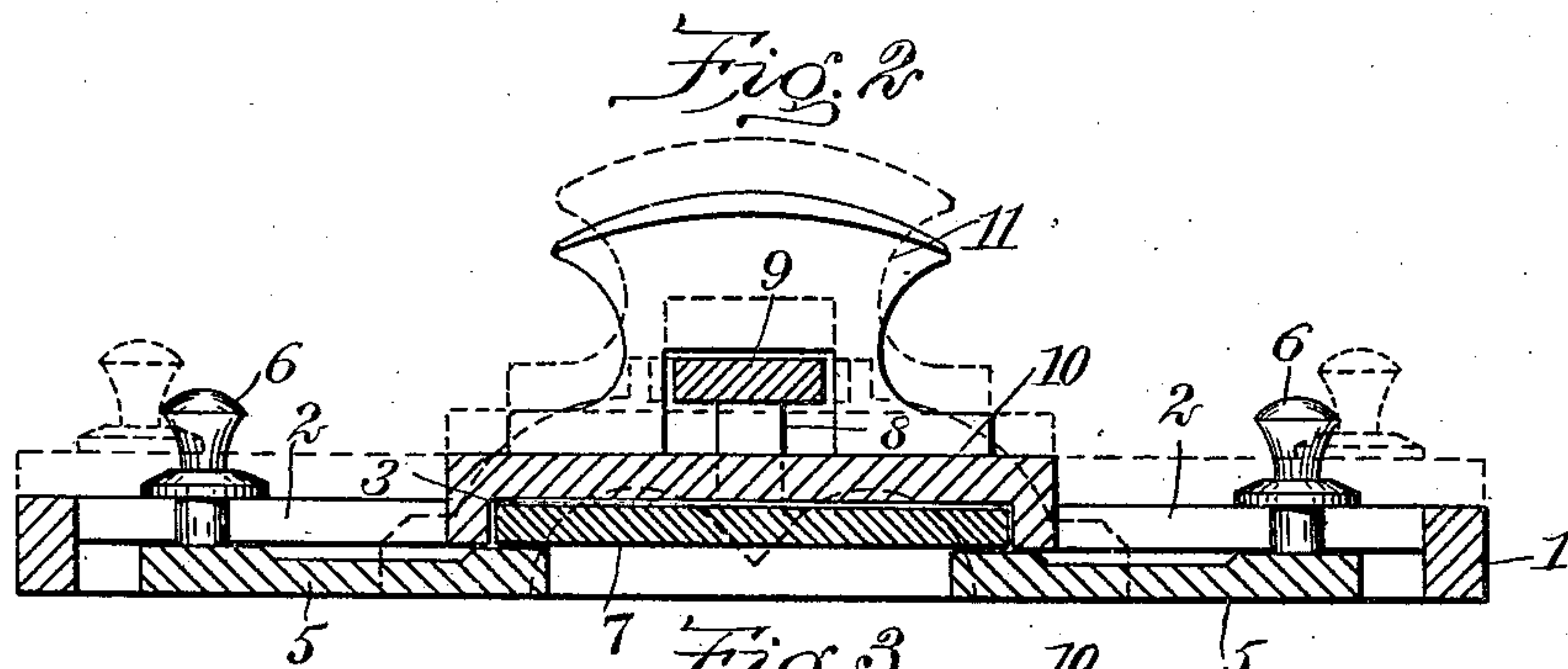
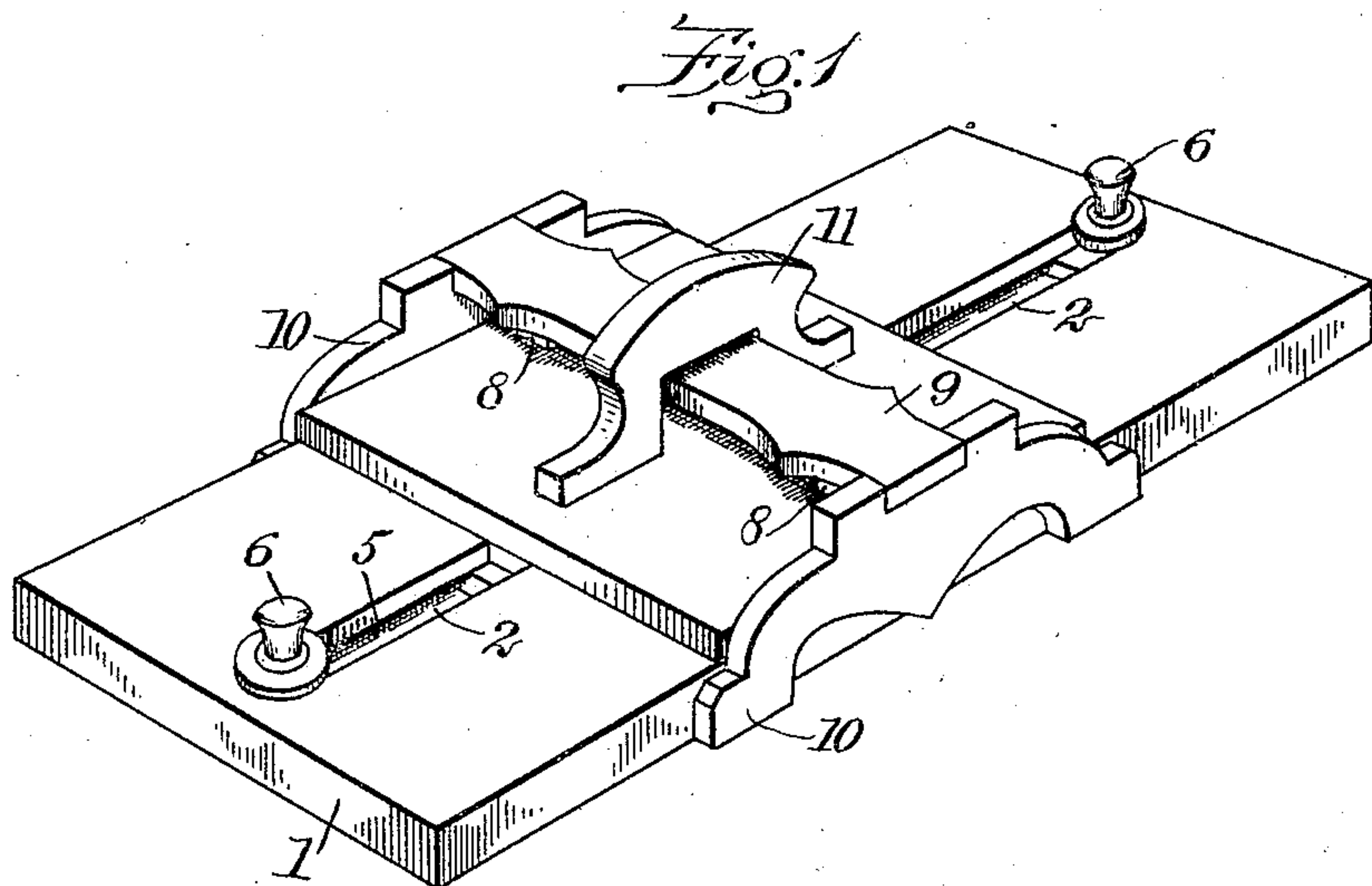


No. 856,006.

PATENTED JUNE 4, 1907.

O. WARE.
POWDER COMPACTING DEVICE FOR DRUGGISTS.
APPLICATION FILED AUG. 11, 1906.



WITNESSES
Fred D. Sweet.
C. H. Fairbank

INVENTOR
Ora Ware
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

ORA WARE, OF MUSKOGEE, INDIAN TERRITORY.

POWDER-COMPACTING DEVICE FOR DRUGGISTS.

No. 856,006.

Specification of Letters Patent.

Patented June 4, 1907.

Application filed August 11, 1906. Serial No. 330,225.

To all whom it may concern:

Be it known that I, ORA WARE, a citizen of the United States, and a resident of Muskogee, District 10, Indian Territory, have invented a new and Improved Powder-Compacting Device for Druggists, of which the following is a full, clear, and exact description.

This invention relates to a device for facilitating the subdivision of powders into smaller portions to be put up in papers or capsules according to the requirements of the prescription being filled by the druggist, and has for its object to compact the powder into a regular sized body whereby the druggist may more easily estimate the proportional parts and may subdivide the powder into any desired number of parts of equal size.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the complete device; Fig. 2 is a vertical section on the line 2—2 of Fig. 3, and Fig. 3 is an inverted plan view.

The preferred form of my invention comprises a rectangular frame 1 having the bottom thereof entirely open, and having the upper portion thereof substantially closed, but with slots 2 adjacent to each end thereof. The central portion of the frame is provided with a recess 3 in the under side, and the top of the frame above said recess is provided with two or more comparatively small openings 4. Within each end of the frame is a plate 5 constituting the powder compacting members, and said plate is preferably of the same thickness as the depth of the frame, and of substantially the same width as the free space within said frame, whereby the plates closely fit the said frame at the ends thereof. For moving these plates I provide each one of them with a suitable knob or handle 6 extending upward through the slots 2 in the frame, and as will be noted, the plates may be moved toward and away from each other by the movement of these knobs or handles. Within the recess 3 in the under side of the frame is a plate 7 exactly filling the said recess so that the under side of the plate 7 is flush with the inner side of the main cavity in the frame. The plate 7 is provided with supporting members 8 extending upward through the openings 4 in the top of the frame, and

these supporting members are each secured to a crossbar 9 spaced above the top of the frame and having its opposite ends secured to suitable legs or standards 10. The main frame is provided with any suitable form of handle 11 for raising the same, but preferably this handle extends lengthwise of the frame and is secured to the frame on opposite sides of the crossbar 9.

In the operation of my improved device, the druggist mixes the powders called for in the prescription, upon a tile in the usual manner, and after having thoroughly mixed the same the two compacting members 5 of my improved device are withdrawn to the outer ends of the frame and the compacting device placed on the tile directly over the small pile of powder. By bringing the two compacting members 5 toward each other, the powder is pressed together to form a rectangular block or brick having a depth equal to the thickness of the plates 5 and having a length equal to the distance between the opposite sides of the frame. The width of the block of compressed powder will depend entirely upon the quantity of powder employed. The druggist then withdraws the knobs to the outer ends of the frame, presses down upon the crossbar 9 with one hand and raises the frame by means of the handle 11 until the top thereof compacts with the under side of the cross bar 9. At this time the sides of the frame and the edges of the compacting members will have been raised free from the block of powder, and the only portion of the device remaining in contact therewith is the plate 7. The druggist then removes his hand from the cross-bar 9 and lifts up the device, thus leaving the powder in a perfectly regular and symmetrical pile. Knowing the number of capsules or papers which he desires to fill, the druggist may then accurately and quickly subdivide the powder into the required number of piles.

By the use of my improved device, it is a simple and easy matter to subdivide any quantity of powder into as many portions as desired, and this may be done with absolute accuracy.

If desired, the under side of the plate 7 may be provided with a number of lines running lengthwise of the same, which lines will, upon the removal of the device, leave very minute grooves or ridges on the block of powder which may serve to aid in accu-

rately subdividing the powder into the desired number of parts.

Having thus described my invention, I claim as new and desire to secure by Letters
5 Patent:

1. A powder compacting device comprising a frame having an open bottom and a substantially closed top, two compacting members mounted in said frame and movable
10 toward and away from each other and means for guiding the frame in a vertical direction.

2. A powder compacting device comprising a rectangular frame having an open bottom and a substantially closed top, two compacting members of substantially the same
15 width as the inner side of said frame and mounted therein for movement toward and away from each other, a handle secured to the upper side of said frame, and means for
20 guiding the frame in a vertical direction.

3. A powder compacting device comprising a rectangular frame having an open bottom and a substantially closed top, the under side of the top being provided with a recess at the center and two slots extending
25 through the top adjacent the ends thereof, a handle secured to the upper side of said frame, two compacting members mounted in the ends of said frame and movable toward
30 each other, knobs secured to said compacting members and extending upward through

said slots, and a plate mounted in the recess in the under side of the frame.

4. A powder compacting device comprising a rectangular frame having an open bottom and a substantially closed top, two compacting members mounted in the ends of said frame and movable toward each other, a plate mounted in a recess in the under side of the frame, means for supporting said plate
35 independent of the frame, and means whereby the frame may be raised a short distance before the said plate is moved.

5. In combination, a rectangular frame, compacting members mounted in the ends of said frame, means whereby said members
45 may be moved toward each other, a plate mounted in said frame and adapted to move between said members when the latter are in their extreme outer position, a handle secured to said frame, and means whereby the
50 sides of the frame and the edges of the compacting members are withdrawn from the material being operated upon before the plate is moved.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ORA WARE.

Witnesses:

M. G. BAILEY,
STERN CARRIGAN, Jr.