

No. 632,758.

Patented Sept. 12, 1899.

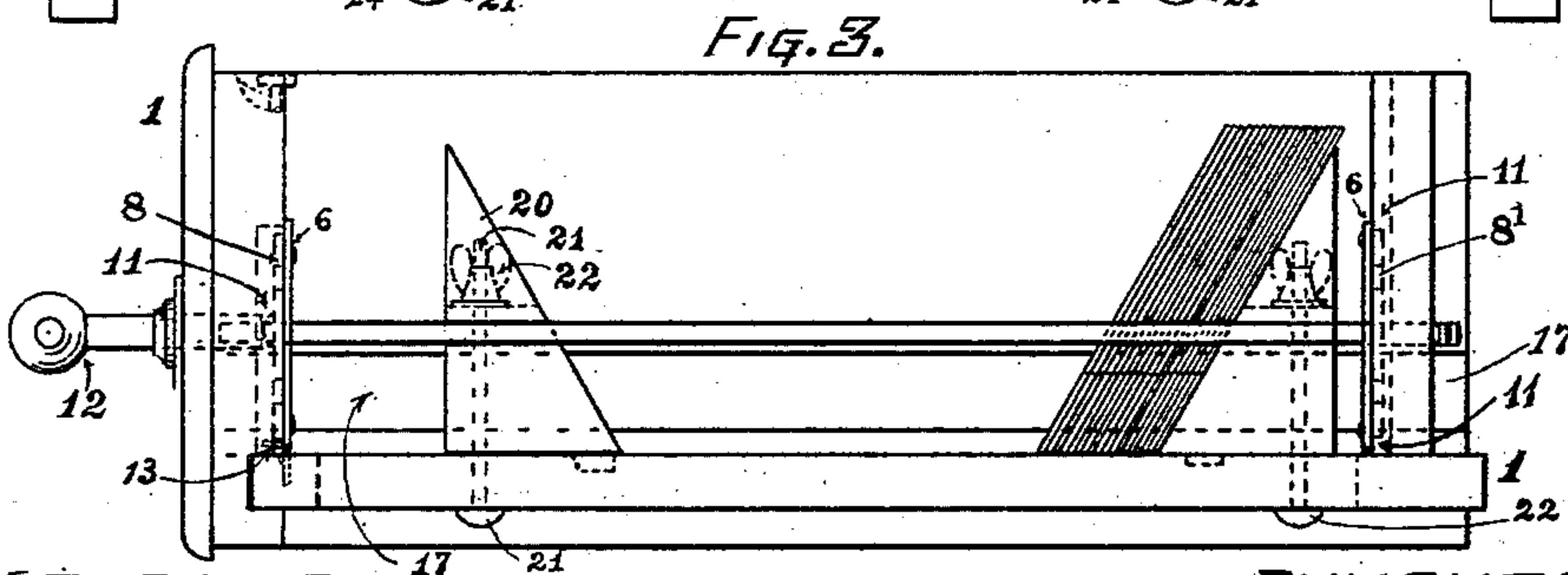
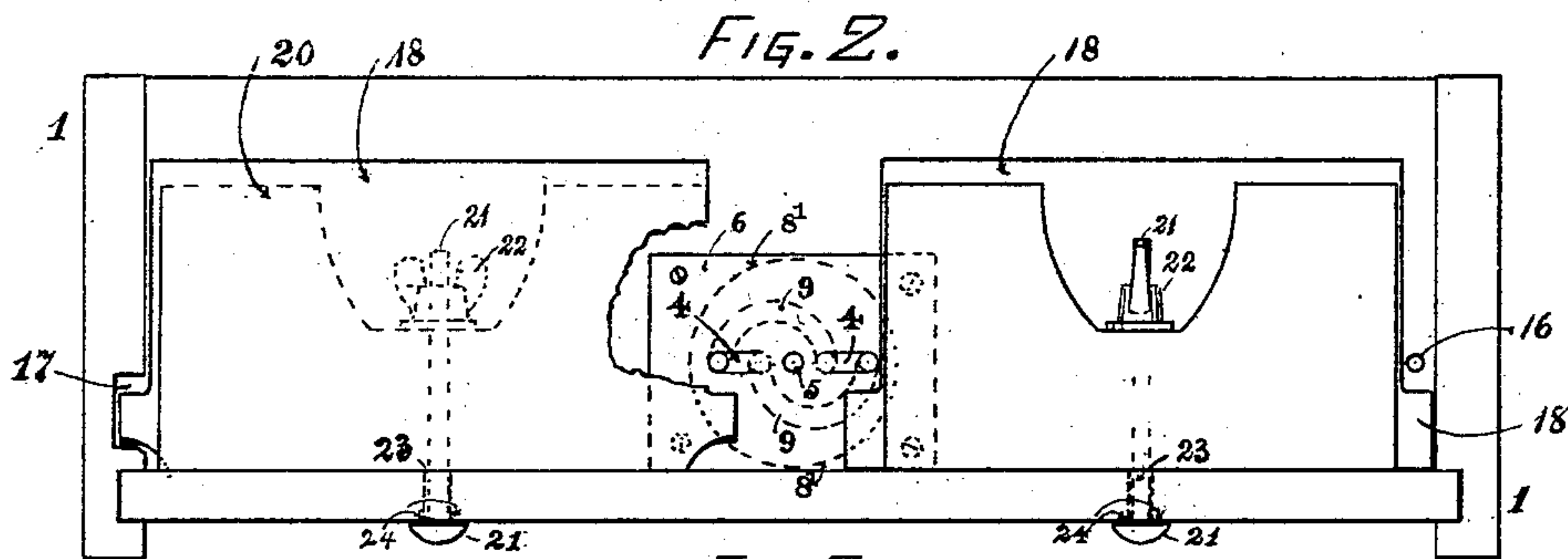
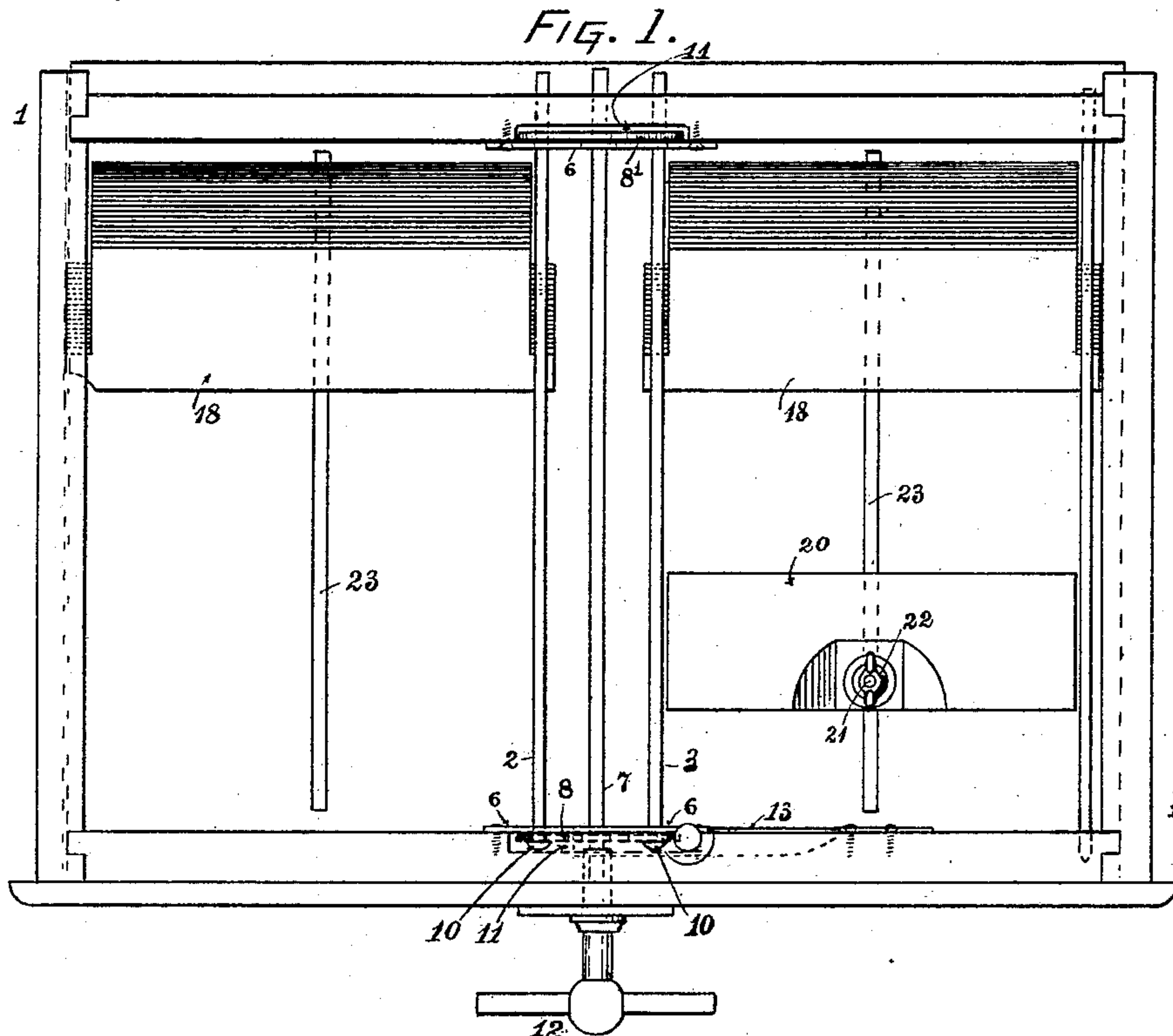
A. W. SHAW & C. E. WILSON.

INDEXICAL CARD LIST.

(Application filed July 6, 1897.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES:
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THEIR ATTORNEYS.

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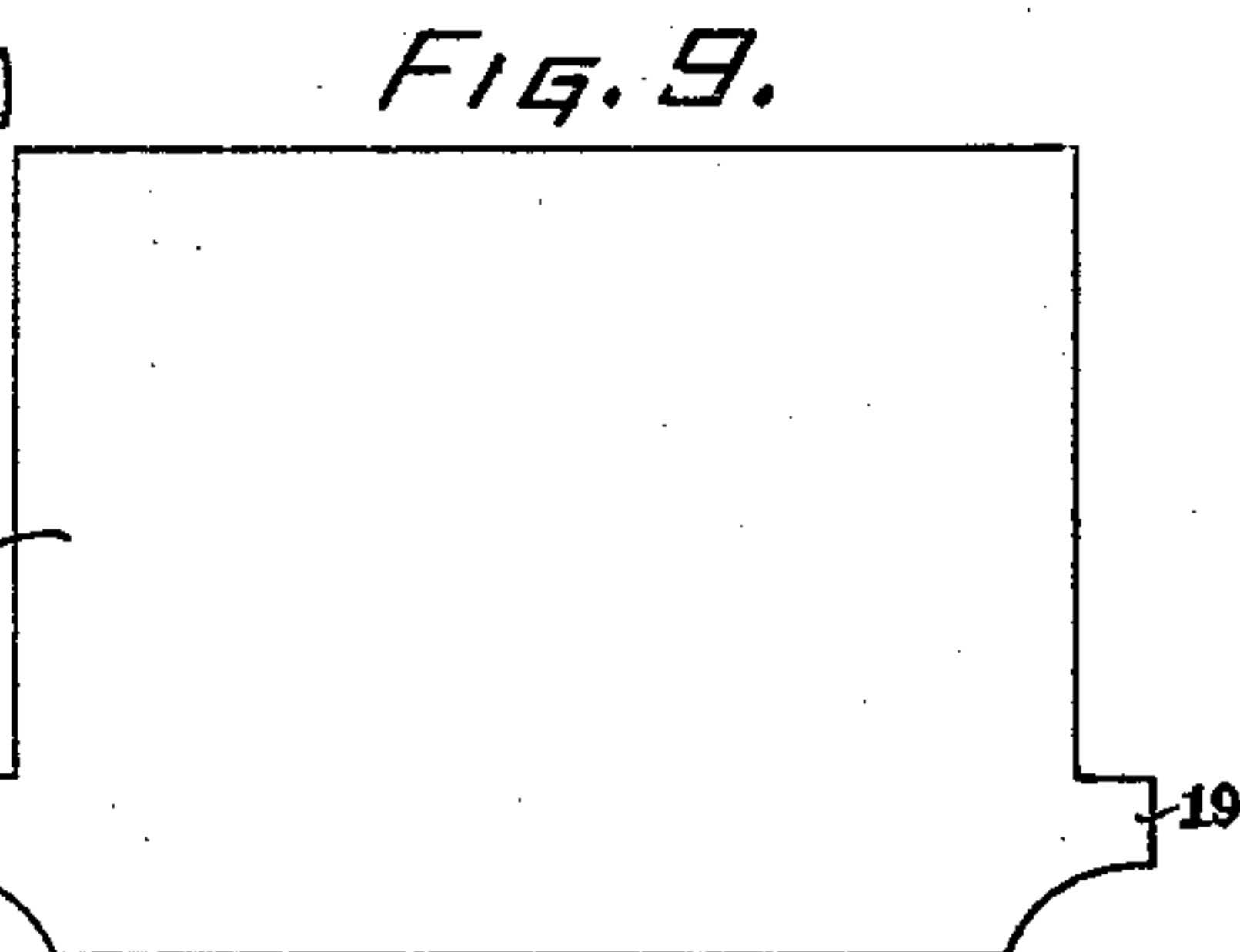
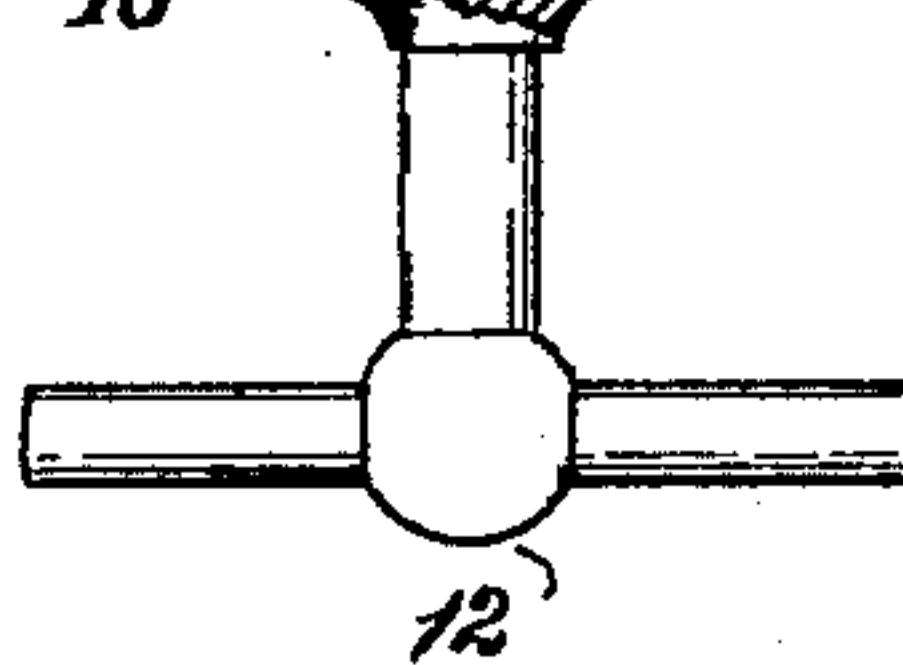
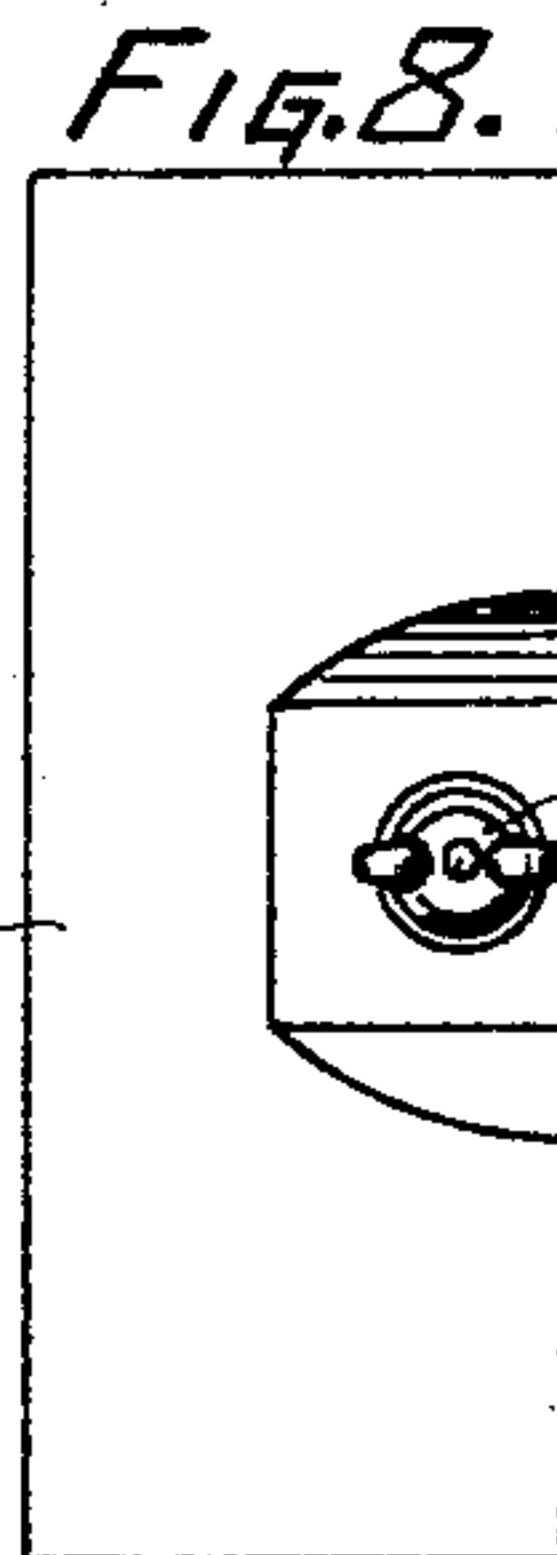
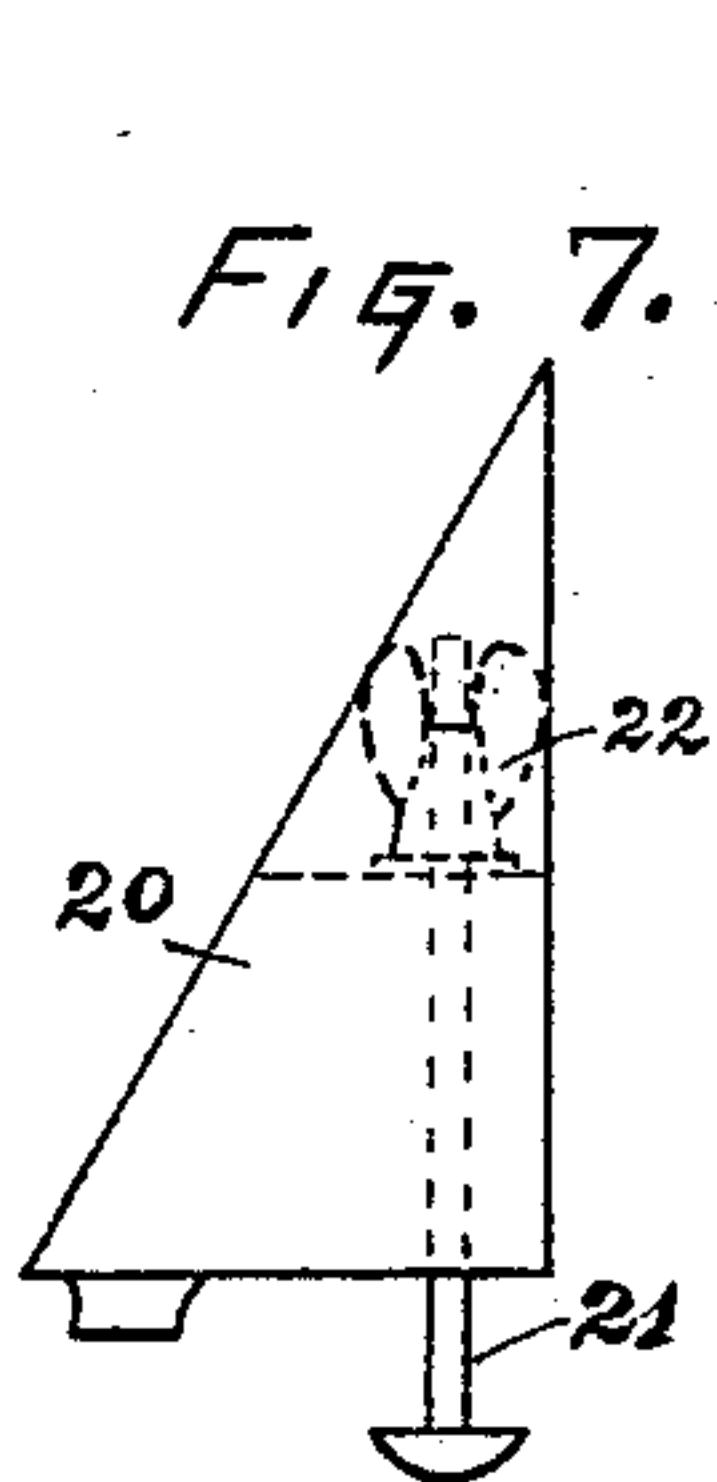
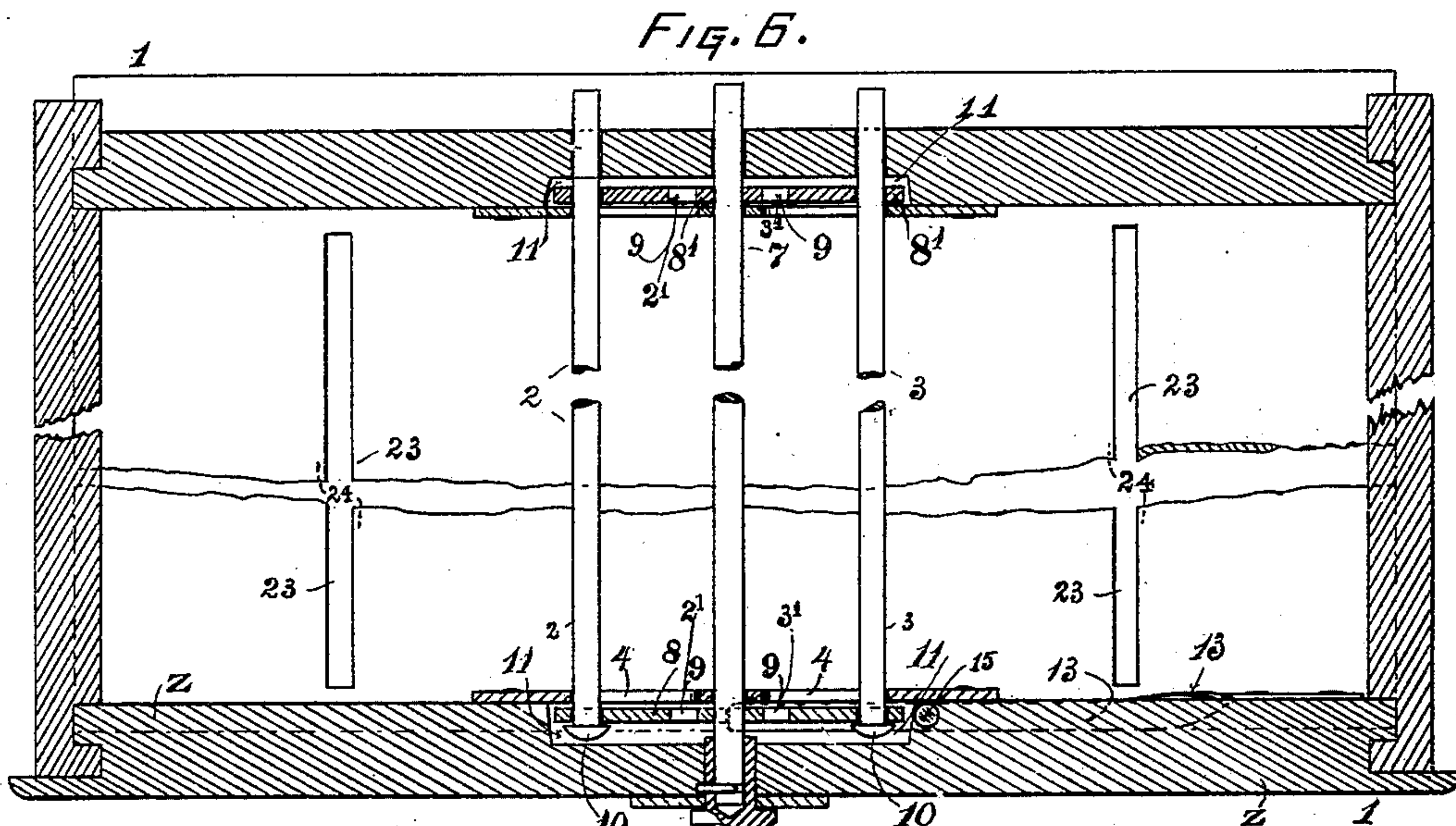
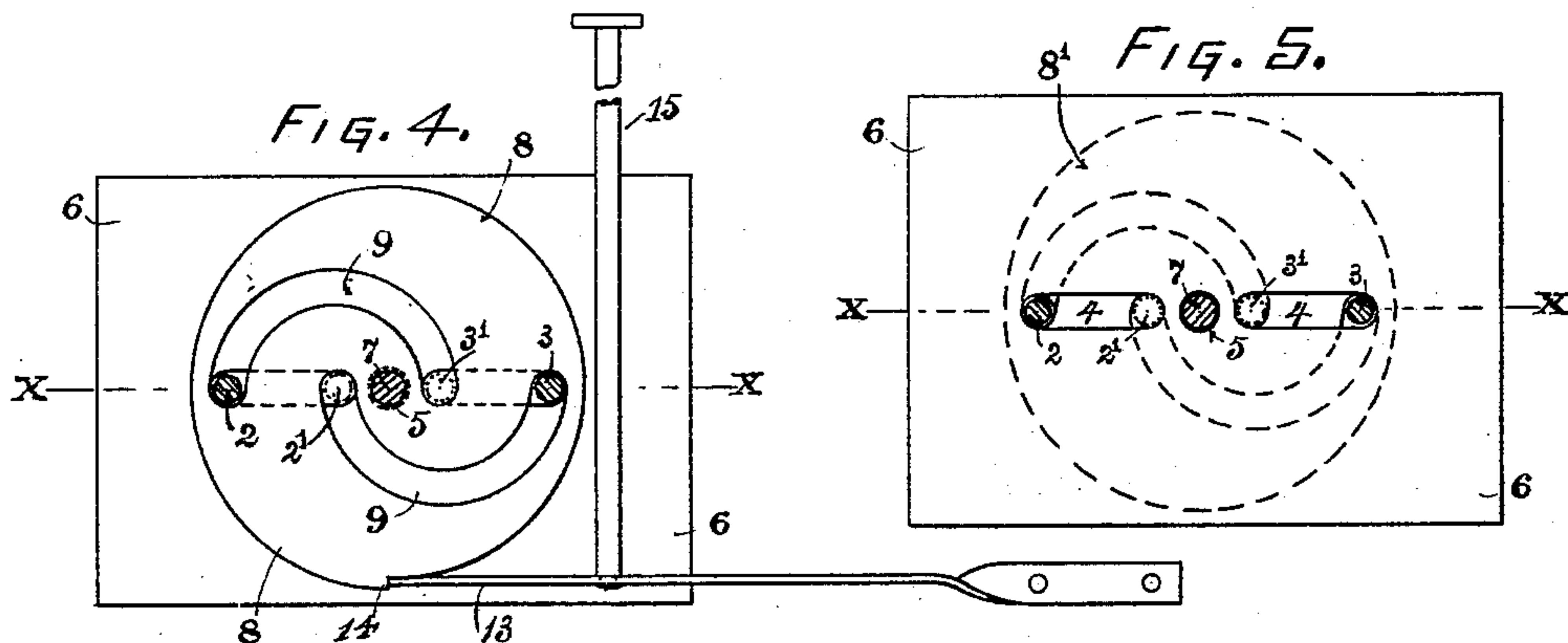
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2 Sheets—Sheet 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ARCHIBALD W. SHAW AND CHARLES E. WILSON, OF JACKSON, MICHIGAN.

INDEXICAL CARD-LIST.

SPECIFICATION forming part of Letters Patent No. 632,758, dated September 12, 1899.

Application filed July 6, 1897. Serial No. 643,526. (No model.)

To all whom it may concern:

Be it known that we, ARCHIBALD W. SHAW and CHARLES E. WILSON, citizens of the United States, residing in the city and county of Jackson, in the State of Michigan, have invented certain new and useful Improvements in Card-Lists, of which the following is a specification.

Our invention relates to improvements in indexical card-lists and holders in which movable rods operate in conjunction with stationary rods to secure the cards in arranged order for reference.

The objects of our invention are, first, ease and convenience of operation; second, expedition, as the closing of the drawer or box is simultaneous with the securing of the envelopes, cards, plates, &c., in the list contained therein, and the releasing of the cards is nearly instantaneous with the opening of the drawer or box by simply pressing on the push-bar; third, obviation of abrasion of the envelopes, cards, &c., which we accomplish by applying the moving power of the rods at both their ends, they thus moving equally, opening and closing simultaneously throughout their entirety, and the movement of the rods being in view they can be seen to be clear of the envelopes, cards, &c.; fourth, with the movable card-rest secured and the movable rods self-locking liability of the envelopes, cards, &c., getting loose or out of place in handling is avoided, and, fifth, an easily-operated securing device is also provided for the ordinary card-rest. These objects we attain by the mechanism illustrated in the accompanying drawings, throughout the several views of which similar letters and figures refer to similar parts.

Figure 1 is a plan view of a drawer or box with its mechanism embodying our invention. Fig. 2 is a front elevation with the front end of the drawer removed. Fig. 3 is a side elevation with the nearer side removed. Fig. 4 is a full-size elevation of that part of the rod-supporting, rod-moving, and rod-locking device belonging and ready to be adjusted to the front end of the drawer or box viewed from the front side. Fig. 5 is a full-size elevation of that part of the rod-supporting and rod-moving device belonging and ready to be

adjusted to the rear end of the drawer or box.

Fig. 6 is a horizontal section through Fig. 1, cutting through the center of the rods 2, 3, and 7, with the cards and card-rests removed. Fig. 7 is an end view of a movable card-rest with fastening-bolt and thumb-nut dotted in. Fig. 8 is a plan view of the same. Fig. 9 is a card with wings which project under rods or into grooves for security.

A drawer or box 1 1 is provided with horizontal rods 2 3, supported at their ends, so as to move freely laterally in horizontal slots 4 4 in plates 6 6, secured to the front and rear ends of drawer or box 1 1. Central between these slots 4 4 in each of the plates 6 6 is a hole 5, through which the ends of a rod 7 pass and in which it rests and is rotated. A disk 8, with a central hole in it into which the rod 7 is fastened rigidly, is located near the front end of rod 7 and one, 8', at the rear end, each in position in the ends of the drawer or box to be rotated by the rod 7 in a recess 11 11 in the drawer front and back against the plate 6 6, as shown. In the disks 8 8' are circular or spiral slots 9 9, through which the rods 2 3 pass loosely and are kept in place longitudinally by heads 10 10 on one end of the rods 2 3 in the recess 11 11 in the drawer front and back in which the disks 8 8' rotate. The rod 7 is fastened rigidly into the drawer-pull 12, which is the handle by which the rod 7 and disks 8 8' are turned. As the disks 8 8' turn, the movable rods 2 3 follow the contour of the circular slots and are carried inwardly to the position 2' 3' or outwardly to 2 3, according to the direction turned. A pawl 13, Figs. 3, 4, and 6, is attached to the drawer-front, as shown in Fig. 6, which operates against the ratchet-notch 14 to fasten the rods 2 3 apart, in the figures indicated in the figures 2 3. A push-bar 15 extends upward from the pawl, terminating with a thumb-head flush with the top edge of the drawer-front $z z$, which is recessed out under the head sufficiently to allow the head to be pressed downward to spring the pawl 13 below the notch 14 to allow the disk to rotate, thus unfastening the rods 2 3 from their secured position. When the handle 12, with the rod 7 and disks 8 8', is turned to the position shown in Figs. 1, 2, 4, 5, and 6, the pawl 13 springs into place against the

notch 14, fastening the rods 2 and 3 securely from lateral movement. Stationary rods 16 may be located in the drawer or box parallel with the laterally-moving rods 2 3 as a counter-guard to the rods 2 3 to secure the cards, and in lieu of these rods 16 longitudinal grooves 17 in the sides of the drawer at or near the bottom receive one wing 19 of the cards 18. A card-rest 20, Figs. 7 and 8, is provided with a bolt 21 and thumb-nut 22, the head of which bolt engages with the ledges 24 of a longitudinal channel or slot 23 through the bottom of the drawer, as shown in Figs. 1, 2, and 3. The card-rest is secured in position and location by tightening the thumb-nut.

Having fully described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination with the rods 2, 3, and plates having horizontal slots 4, 4, of the central rod 7, with the disks 8, 8', provided with circular or spiral slots, operating in conjunction with the horizontal slots 4, 4, to move the rods 2, 3, laterally by shear-pressure.

2. The combination with the rods 2, 3, and plates having horizontal slots 4, 4, of the central rod 7, with the disks 8, 8', provided with circular or spiral slots, operated in conjunction with the horizontal slots 4, 4, to move the rods 2, 3, laterally, by shear-pressure, in combination with the handle 12, rigidly secured to

the central rod 7, to move the rods 2, 3, laterally by operating outside the drawer or box.

3. The combination with the rods 2, 3, plates having slots 4, 4 and the push-bar 15 of the central rod 7, with the disks 8, 8', provided with circular or spiral slots operating in conjunction with the horizontal slots 4, 4, to move the rods 2, 3, laterally by shear-pressure, also in combination with the handle 12, rigidly secured to the central rod 7, to move the rods 2, 3, laterally by operating outside the drawer or box and in combination with the pawl 13, and ratchet-notch 14, in the periphery of the disk 8, which pawl and notch engage each other to fasten the rods against lateral movement and to be released by the push-bar 15, substantially as shown and described.

4. In a card-list, having laterally-moving rods, 2, 3, the groove, 17, acting with the rods 2, and 3, as a counter-guard, substantially as shown and described.

5. A movable card-rest 20, provided with a bolt and nut, the nut-rest notched out, in combination with the channel or slot, 23, substantially as and for the purposes set forth.

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Witnesses:

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