

No. 780,618.

PATENTED JAN. 24, 1905.

W. P. PITT.
LOOSE LEAF BINDER.
APPLICATION FILED APR. 8, 1904.

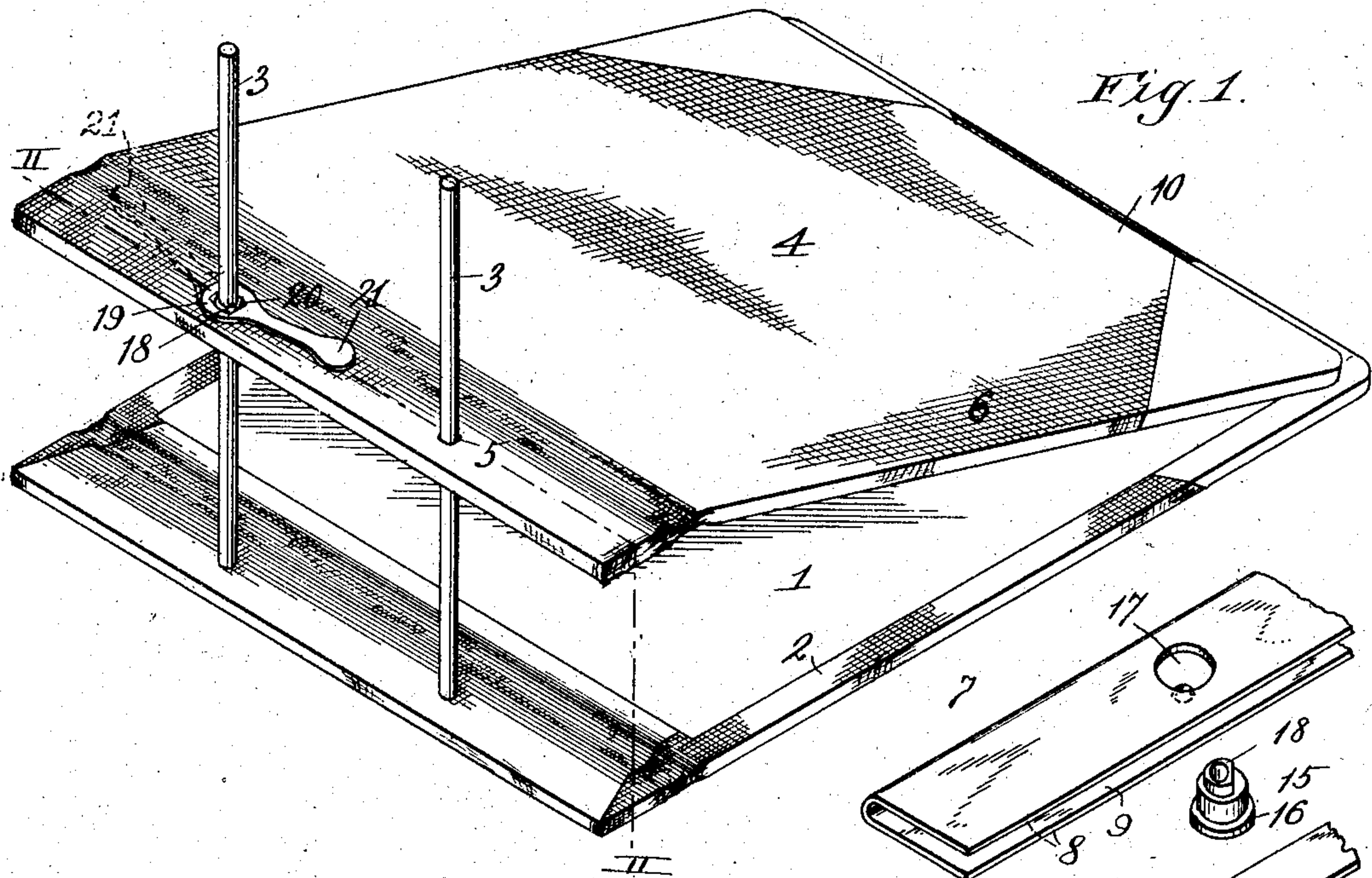


Fig. 4

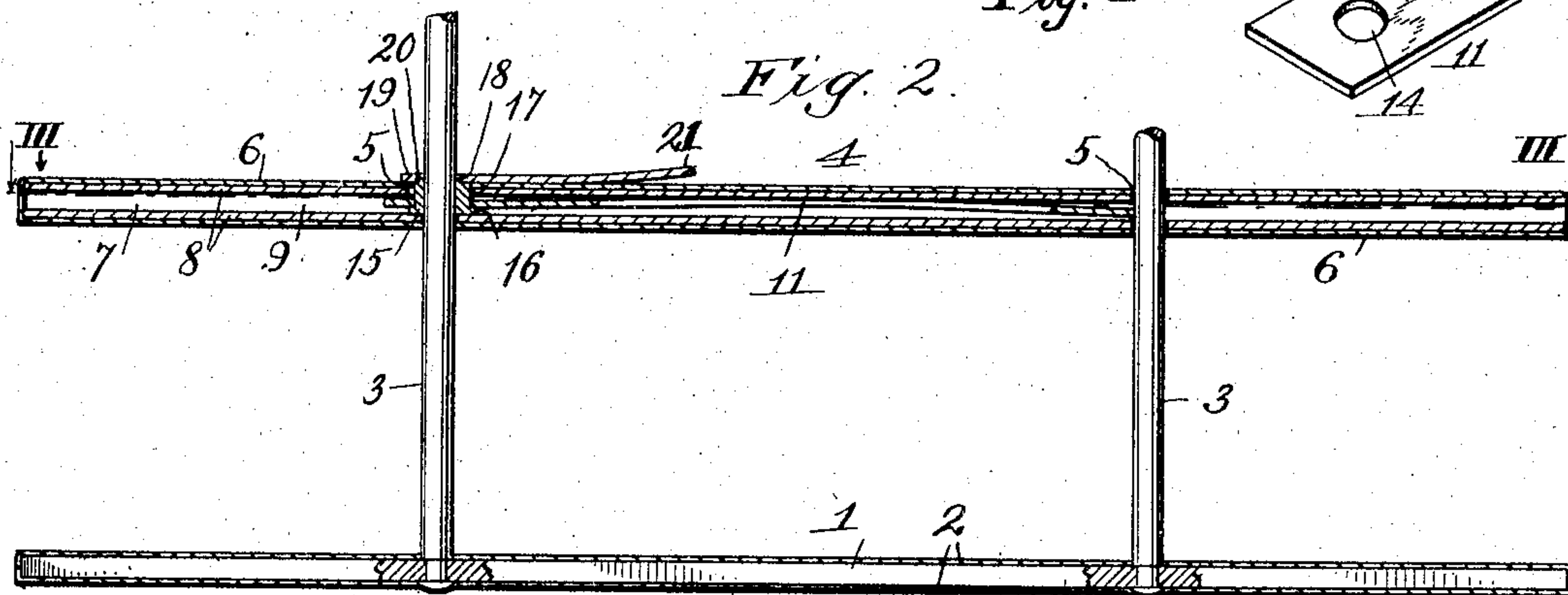


Fig. 2

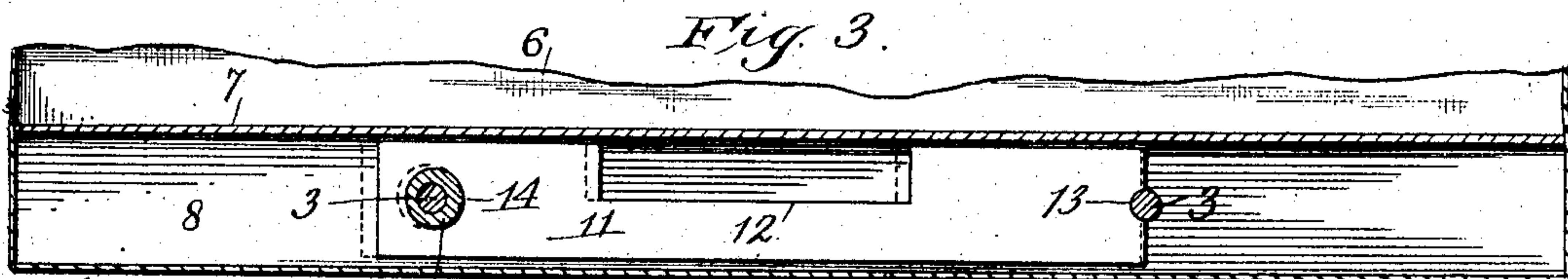


Fig. 3

Witnesses:

A. M. Schaefer
P. C. Hamilton

Inventor:

William P. Pitt

By

F. G. Fischer
att.

UNITED STATES PATENT OFFICE.

WILLIAM P. PITT, OF INDEPENDENCE, MISSOURI, ASSIGNOR TO THE
IRVING-PITT MFG. CO., OF KANSAS CITY, MISSOURI.

LOOSE-LEAF BINDER.

SPECIFICATION forming part of Letters Patent No. 780,618, dated January 24, 1905.

Application filed April 8, 1904. Serial No. 202,146.

To all whom it may concern:

Be it known that I, WILLIAM P. PITT, a citizen of the United States, residing at Independence, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Loose-Leaf Binders, of which the following is a specification.

My invention relates to loose-leaf binders; and it consists more particularly in the novel construction, combination, and arrangement of the locking device for adjustably securing the follower at any desired point on the posts of the binder.

In order that the invention may be readily understood, reference will now be made to the accompanying drawings, in which—

Figure 1 represents a perspective view of a loose-leaf binder embodying my invention. Fig. 2 is a vertical section of the same, taken on line II II of Fig. 1. Fig. 3 is a longitudinal section of my improved locking device, taken on line III III of Fig. 2. Fig. 4 shows the several parts of the locking device in perspective.

In said drawings, 1 designates a horizontal base composed of suitable material and covered, preferably, with canvas 2.

3 designates a pair of parallel vertically-arranged posts riveted at their lower ends to the rear portion of the base.

4 designates a follower having two apertures 5 at its rear portion for the reception of the posts, upon which latter the follower is adjustably and removably arranged. The follower, like the base, is preferably covered with canvas 6.

7 designates a metallic strip folded at its central longitudinal portion to form members 8, having an intervening space 9. Strip 7 forms the rear portion of the follower, the flap 10 of the latter being flexibly secured to the strip by canvas 6.

11 designates a resilient locking-plate operatively arranged in space 9 between the two members of strip 7. Said locking-plate is cut out at 12 to render it more resilient and has a semicircular marginal recess 13 at one end for frictional engagement with the adjacent post 3. The opposite end of the locking-plate

has a circular aperture 14 for the reception of an eccentric 15, journaled on one of the posts 3 and provided at its lower end with a peripheral flange 16, interposed between the locking-plate and the lower member of strip 7 to prevent vertical movement of the eccentric. The upper portion of eccentric 15 projects through a circular opening 17 in the upper member of strip 7 of sufficient diameter to prevent the eccentric when turned on the post from contacting with the edge of said opening. The upper end of the eccentric terminates in a reduced segmental portion 18 for the reception of an operating-lever 19, provided at one end with an aperture 20, which snugly fits segmental portion 18, so that when the raised handle 21 of the lever is grasped and swung around to the position indicated by dotted lines, Fig. 1, the eccentric will turn therewith. The turning of the eccentric retracts the locking-bar out of frictional contact with the opposite post so the follower can be removed from the posts for the insertion or extraction of loose leaves or sheets. The follower is then replaced upon the posts in contact with the uppermost sheet, where it is reliably held by turning the lever back to the position shown in full lines, Fig. 1. The turning of the lever operates the eccentric, causing it to force the locking-plate into frictional contact with the opposing post with sufficient pressure to bow said locking-plate, as shown in Fig. 2.

With the above construction it is apparent that after the binders have been filled until the upper surfaces of the followers are about flush with the upper terminals of posts 3 there will be no projecting parts to interfere with said binders being piled upon each other flatwise, and consequently they can be stored away in the least possible space.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A loose-leaf binder consisting of a base, posts projecting therefrom, a follower on said posts, a strip secured to one end of said follower folded at its central longitudinal portion to form two members having an inter-

vening space, said members having registering apertures near their opposite ends for the reception of said posts, one of said apertures being larger than the others, an eccentric journaled upon one of the posts arranged in said intervening space and having one end extending upwardly through the large aperture, means engaging said extended end for turning the eccentric, and a resilient locking-plate having an apertured end which engages the eccentric and a recessed end which engages the adjacent post with sufficient pressure to bow said locking-plate in the intervening space when the eccentric is turned in a certain direction.

2. A loose-leaf binder comprising a base, posts projecting therefrom, a follower on said posts, a strip secured to one end of said follower folded at its central longitudinal portion to form an upper member and a lower member, said members having registering ap-

ertures for the reception of the posts, one of the apertures in said upper member being larger than the others, an eccentric journaled upon one of said posts projecting upwardly through said large aperture and terminating in a reduced segmental portion, a peripheral flange on the lower end of the eccentric, a lever provided with a segmental aperture which snugly engages said segmental portion, and a locking-plate provided with an apertured end which engages the eccentric and overlaps the peripheral flange, the opposite end of the locking-plate being recessed to snugly engage the adjacent post when the eccentric is turned in a certain direction.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM P. PITT.

Witnesses:

J. W. BOLING,
F. G. FISCHER.