

No. 793,978.

PATENTED JULY 4, 1905.

G. C. BEIDLER.  
COPY HOLDER.

APPLICATION FILED FEB. 4, 1905.

2 SHEETS—SHEET 1.

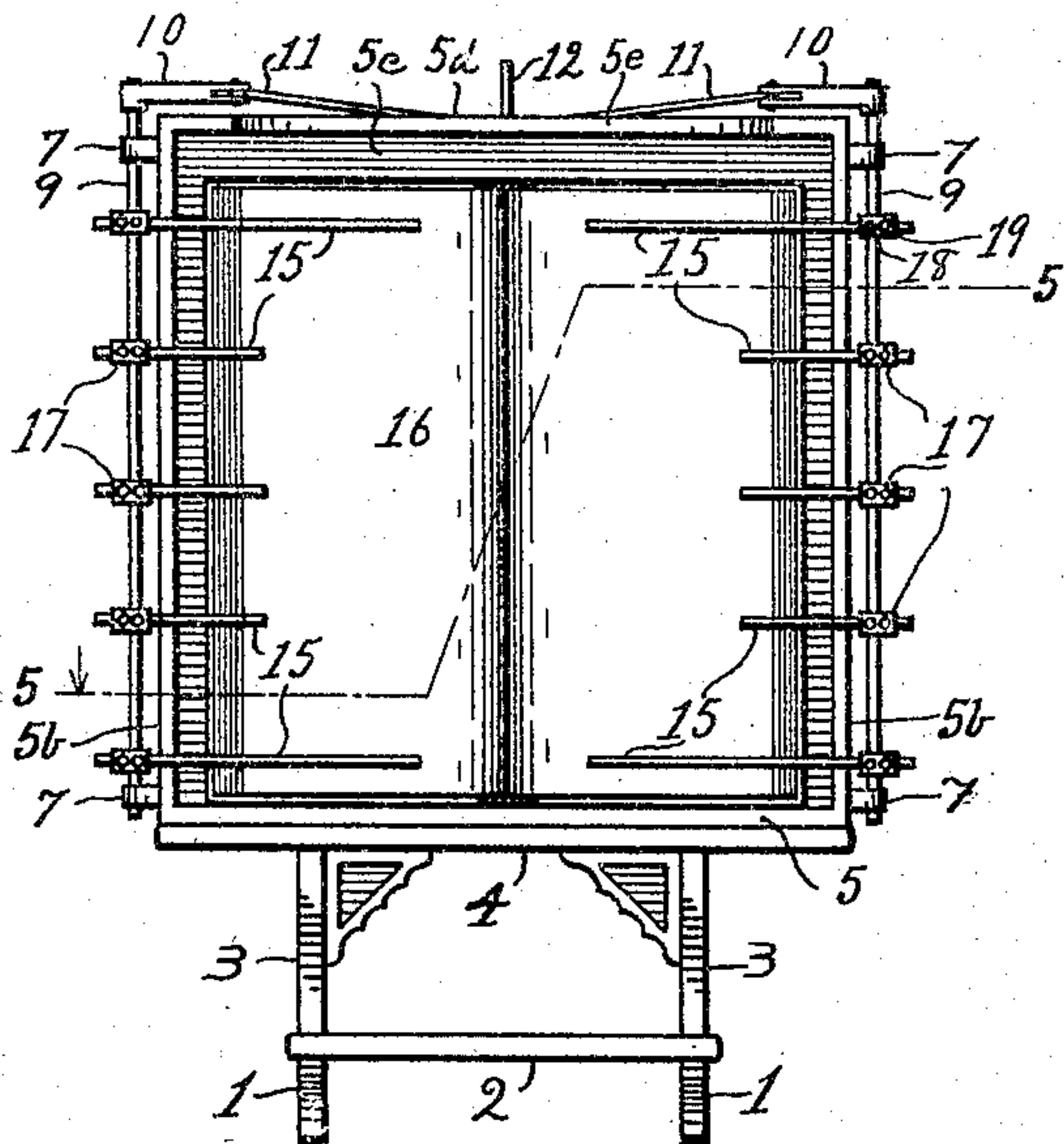


Fig. 1.

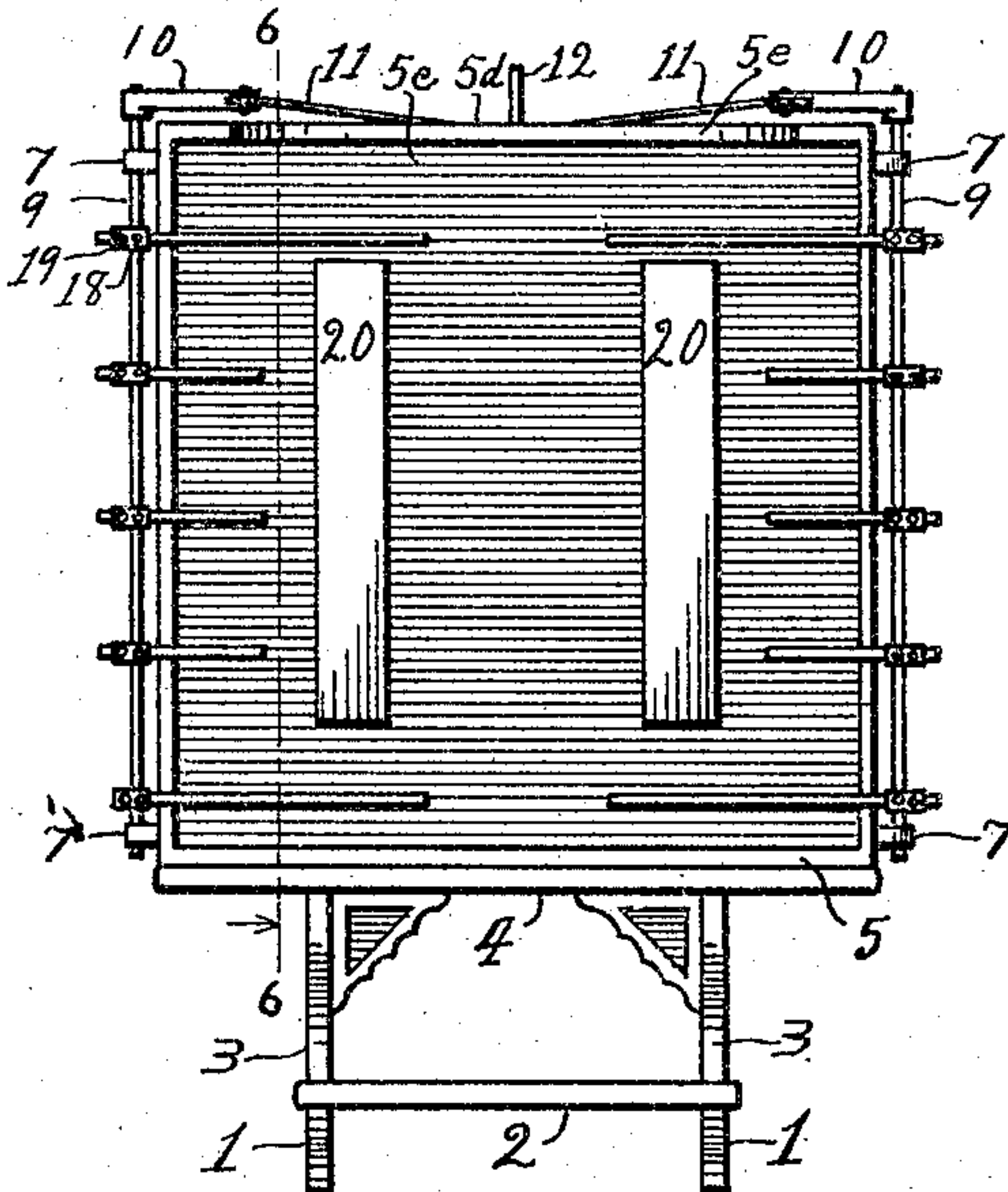


Fig. 2.

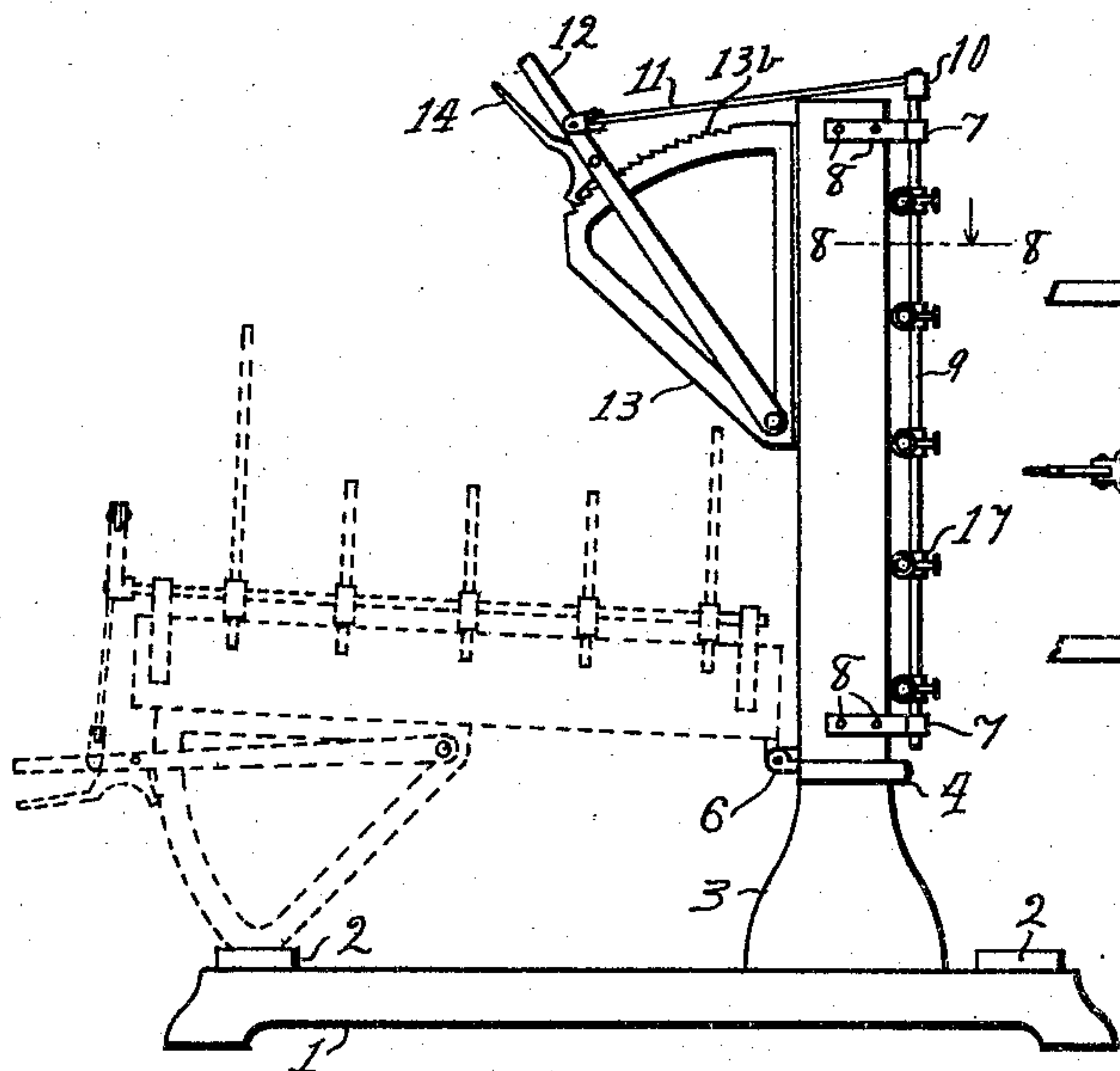


Fig. 3.

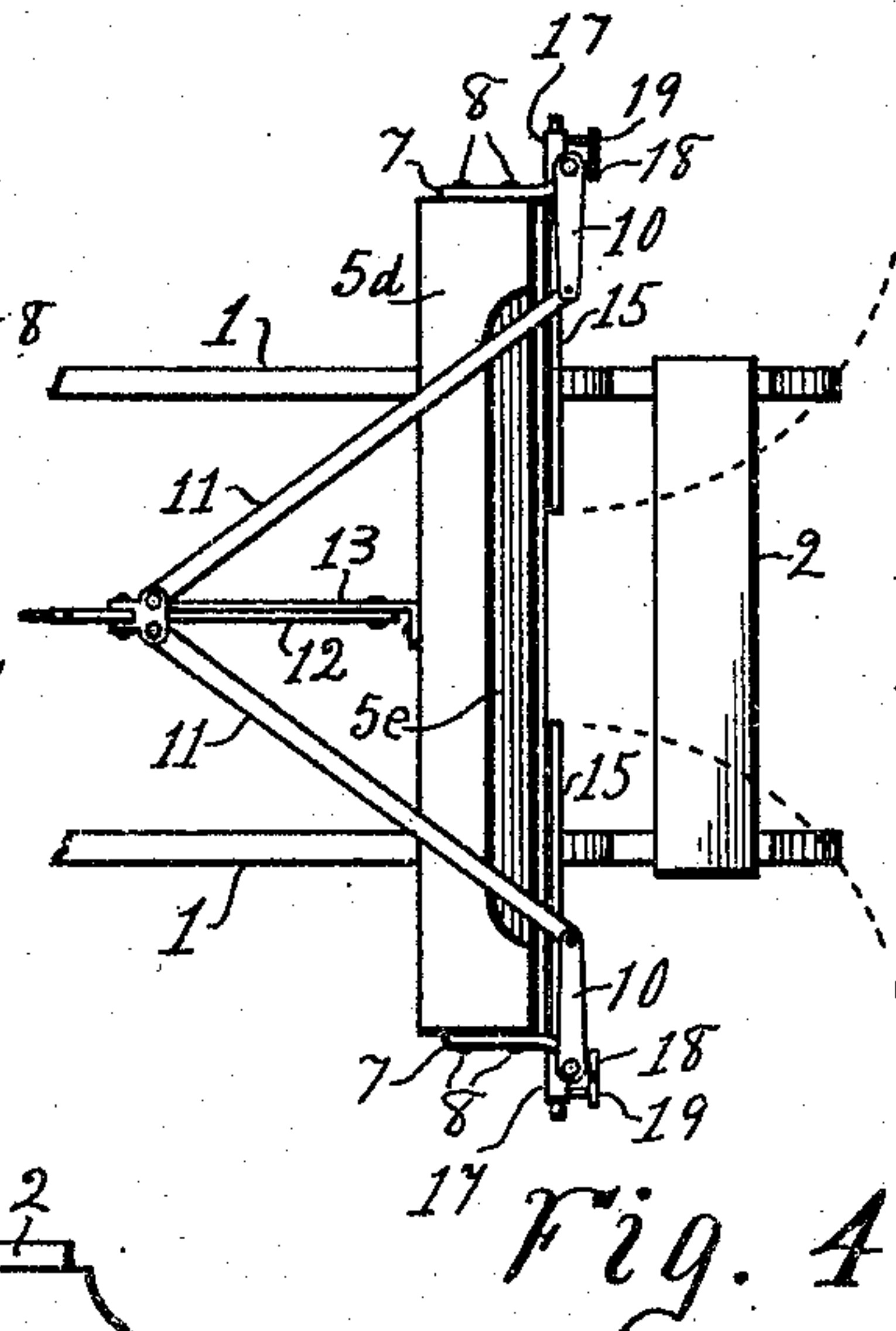


Fig. 4.

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2 SHEETS—SHEET 2.

Fig. 5.

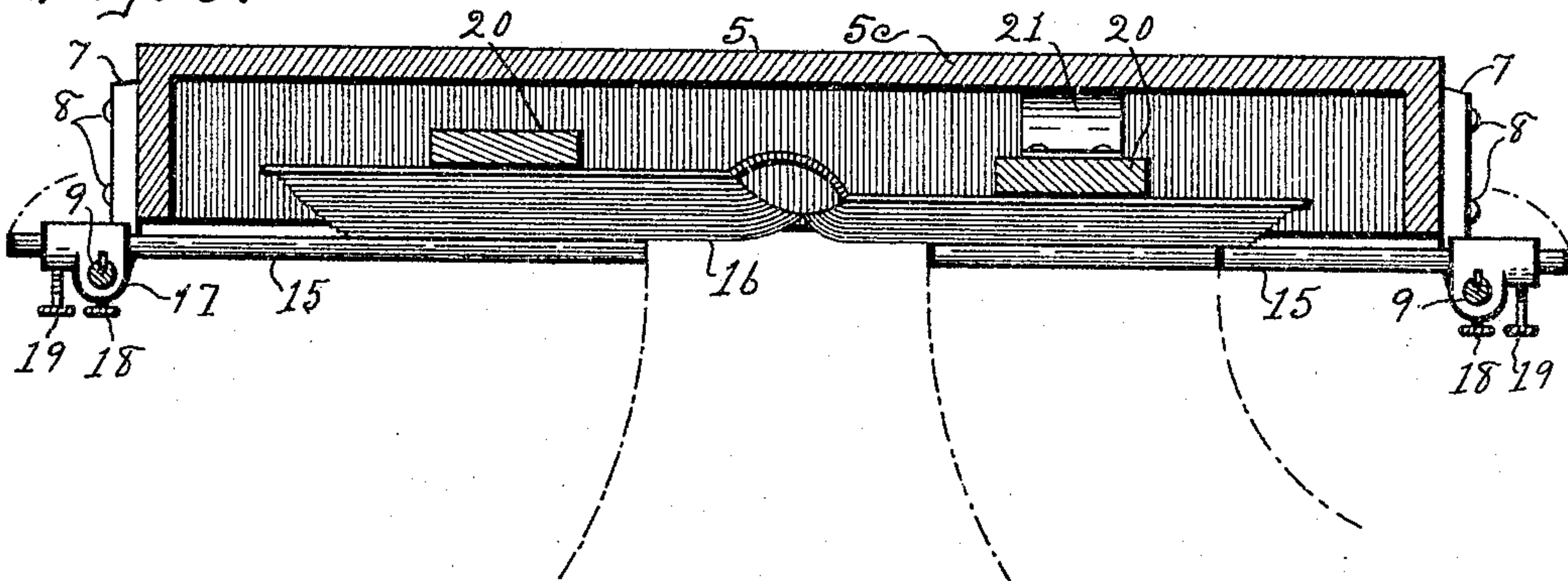


Fig. 6.

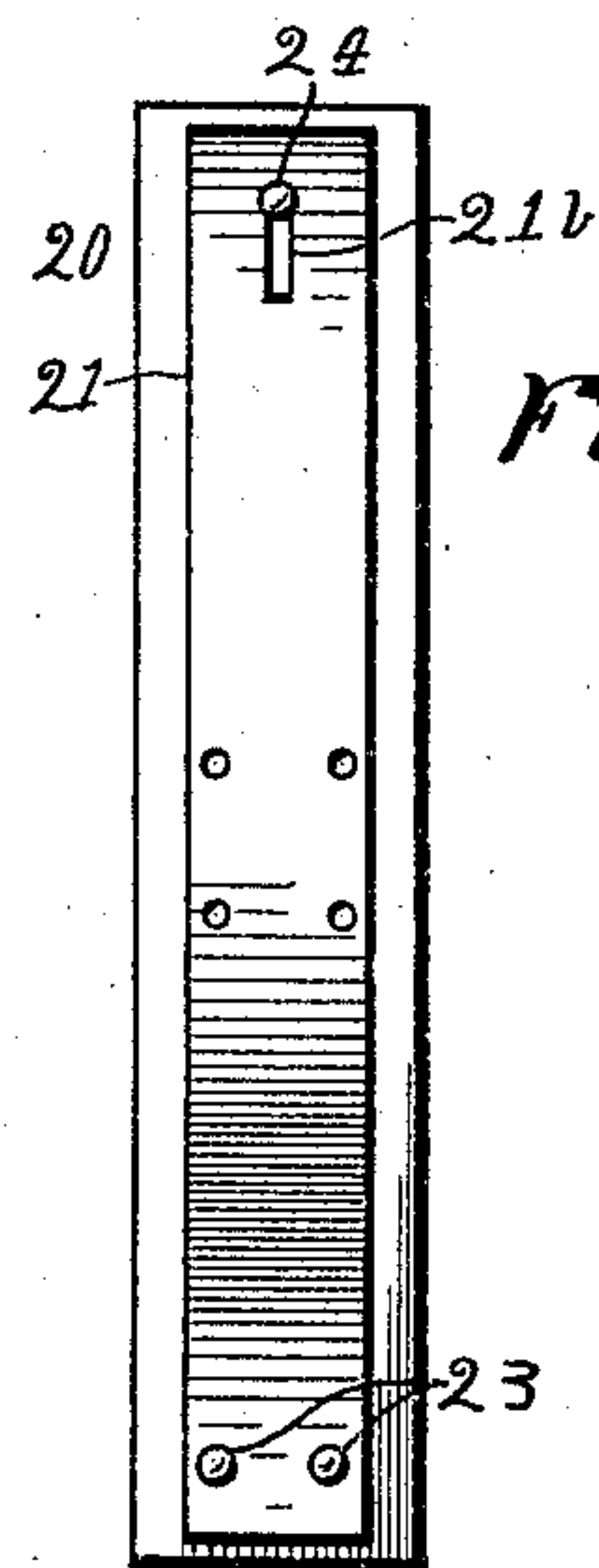
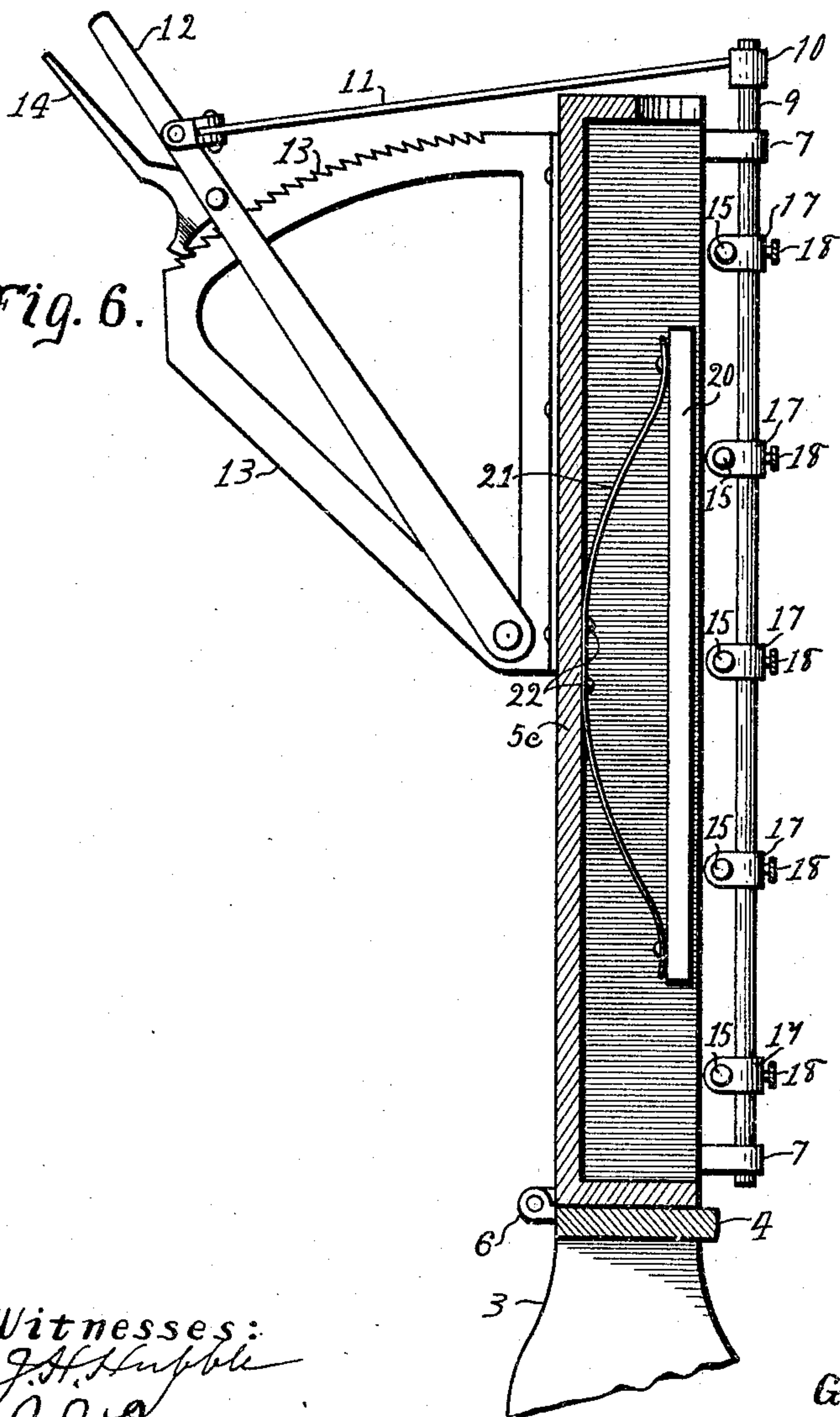


Fig. 7.

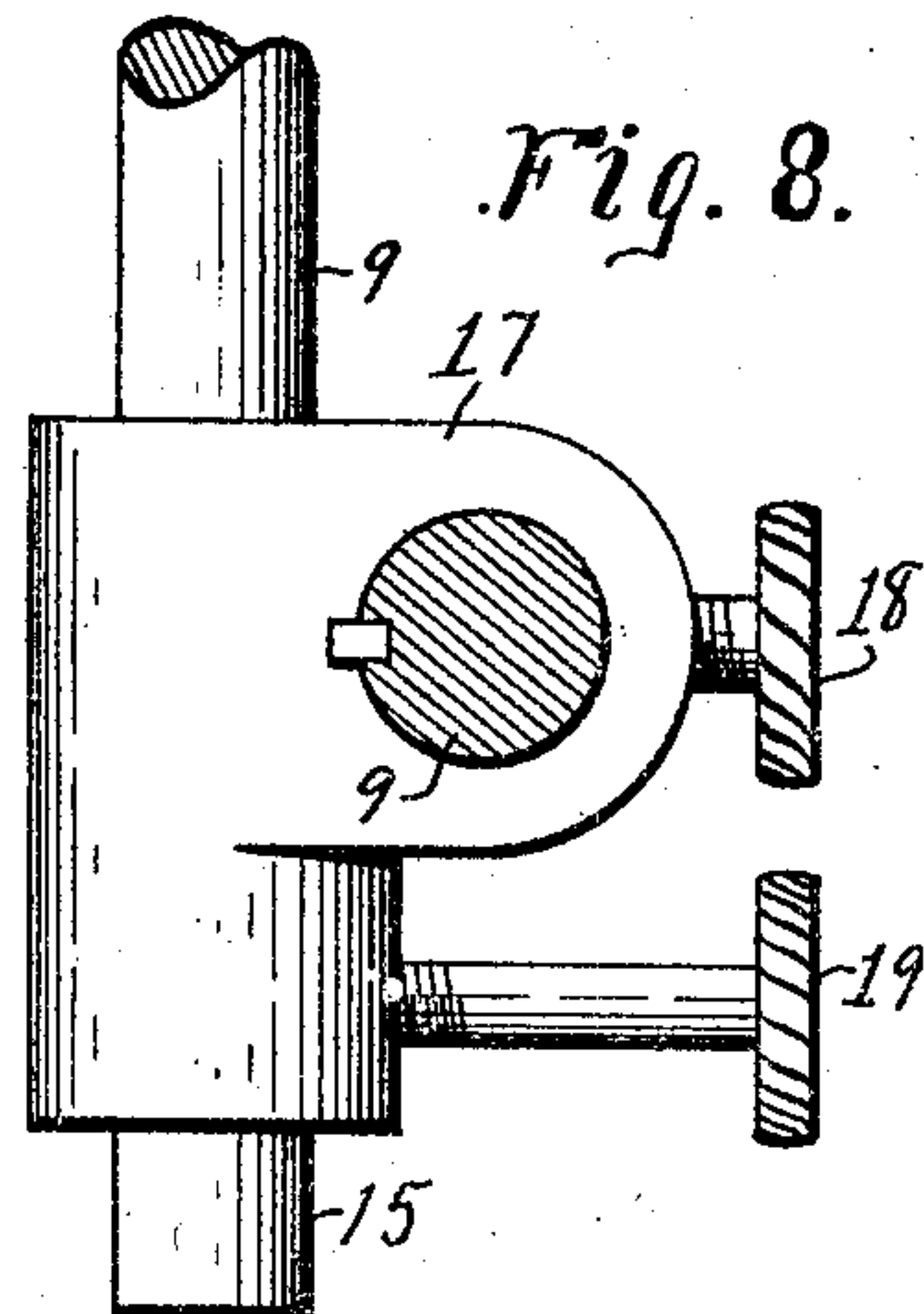


Fig. 8.

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# UNITED STATES PATENT OFFICE.

GEORGE C. BEIDLER, OF OKLAHOMA, OKLAHOMA TERRITORY.

## COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 793,978, dated July 4, 1905.

Application filed February 4, 1905. Serial No. 244,118.

*To all whom it may concern:*

Be it known that I, GEORGE C. BEIDLER, a citizen of the United States, residing at Oklahoma, in the county of Oklahoma and Territory of Oklahoma, have invented certain new and useful Improvements in Copy-Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The object of the invention is to afford a more convenient and satisfactory means of holding documents from which copies are to be made, and while the improvements herein shown may be used for general copying the invention is made more especially adaptable to the copying of deeds, mortgages, and other documents which are filed in and have to be copied from record-books.

The improved holder is made adaptable to the use of the camera in copying, and the construction and arrangement of parts by which these results are accomplished and the objects of the invention attained are fully described in the ensuing description and pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a front elevation of the complete machine holding a book for copying. Fig. 2 is a front elevation of the complete machine without the book. Fig. 3 is a side elevation of the complete machine, the portion of the figure in dotted lines showing a position into which the upper part of the structure may be swung. Fig. 4 is a plan view of the machine with the rear portion of the supporting-frame-work cut away to shorten the figure. Fig. 5 is a sectional view taken on the line 5 5 of Fig. 1. Fig. 6 is a sectional view taken on the line 6 6 of Fig. 2. Fig. 7 is a rear elevation of one of the spring-actuated follow-blocks and its spring used for supporting the back of the book; and Fig. 8 is a sectional view taken on the line 8 8 of Fig. 3, showing a revoluble shaft and the method of clamping its projecting finger in place, Figs. 5 to 8 being on the same scale and larger than that of Figs. 1 to 4.

Referring to the several figures, in which like characters of reference designate like parts, the machine has a supporting-frame-

work consisting of the two pieces 1, extending longitudinally thereof and adapted to rest upon the floor, the two cross-pieces 2, secured to and connecting the ends of said pieces 1, the two uprights 3, supported by said pieces 1, and the table portion 4, extending transversely of the pieces 1 and having its ends supported upon the upper ends of the uprights 3.

The upper or book-holding part of the machine comprises a shallow case 5, which has an open front, so that the book may be placed into it, and said case rests normally in an upright position upon the table and is secured pivotally to said table by the hinges 6, so that it may be swung down backward, as shown by the dotted lines in Fig. 3. The case 5 is provided at the upper and lower ends of its sides 5<sup>b</sup> with forwardly-projecting pivotal lugs 7, which are secured to said sides by the screws 8. At each side of the case 5 a revoluble shaft 9 is mounted, said shaft being disposed in a vertical direction and passing through the forward ends of the lugs 7. The upper ends of the shafts 9 are provided with rigid crank-arms 10, whose free ends are operatively connected by the rods 11 to a lever 12, mounted upon the back 5<sup>c</sup> of the case 5. The lever 12 is provided with and secured to the center of a quadrant 13, which is secured to the back 5<sup>c</sup> of the case 5. The lever 12 is also provided with the usual hand-controlled locking-hook 14, adapted to engage the teeth 13<sup>b</sup> of the quadrant, said teeth being inclined rearwardly, so that the hook 14 will only engage them in a forward direction.

Each of the shafts 9 is provided with a sufficient number of projecting fingers 15, which are mounted rigidly thereon for holding the pages or leaves of the book 16 in a flat position, and in clamping the book into copying position the lever 12 is drawn forcibly back, thus revolving said shafts 9 and swinging said fingers forcibly against the book, as shown in Fig. 1. The fingers 15 are made of such length as to properly clamp the book without obstructing the view, the extreme upper and lower fingers extending well across the full width of the page. Each of the fingers 15 is mounted upon its shaft 9 by a clamping-



block 17, as is shown most plainly in Fig. 8, the shaft passing through said block and being splined thereto to allow vertical adjustment of said fingers without their revolution on said shaft. The fingers 15 also pass slidably through the blocks 17 to allow adjustment of the distance that they project across the book-page. Two set-screws 18 and 19 are screw-threaded into each of the blocks 17, the screw 18 acting to clamp said block to the shaft 9 and the screw 19 to clamp the finger 15 in said block. It will be noticed that by the use of the clamping-blocks 17 shown the fingers 15 stand tangentially to the line of axis of the shafts 9 on the side next to the case 5, which gives to said fingers a dragging or sliding movement outwardly of the book as they are forced against it, thus more perfectly spreading and flattening its pages out for copying.

In order that both pages of the book 16 may lie firmly in contact with the fingers 15 and that said pages may thus lie in the same plane and not require a change of focus of the camera when changing from the copying of one page to the other, the case 5 is provided with two spring-actuated follow-blocks 20, one for each back or cover of the book. Each of the blocks 20 is provided with and supported by a flat bow-spring 21, which is interposed between it and the back 5<sup>c</sup> of the case. The central portion of each spring is secured to said back 5<sup>c</sup> by screws 22 and the ends of said spring to the ends of the block 20 by the screws 23 and 24, the hole 21<sup>b</sup>, through which the screw 24 passes, being elongated to slide upon said screw and allow the bending or straightening of said spring as the block is pressed backward.

In the use of the machine the case 5 is first swung down backward into the position shown by the dotted representations in Fig. 3, in which position it is supported by the quadrant 13, resting upon the cross-piece 2. The lever 12 is then thrown forward or upward to swing the fingers 15 out of the way. The book 16 is next placed into the case 5 upon the follow-blocks 20 and on account of the horizontal position of the case will lie open at any page until the fingers are closed down against it by the lever 12. The case 5 is then raised to normal or upright position, in which it holds the book until the copy or exposure is made.

The operator may turn the pages of the book without swinging the case down to horizontal position, and in order that he may do this without moving from a convenient position for handling the lever 12 the upper part 5<sup>d</sup> of the case 5 is cut away at 5<sup>e</sup>, as shown most plainly in Fig. 4.

Having fully described the invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a copy-holder, a suitable base, a case hinged to the base, means for holding the copy

and adjustable means for permitting the copy to lie on a given plane.

2. In a copy-holder, a suitable base, a movable case supported by the base and yieldable copy-supports in the case whereby the copy is exposed on a predetermined plane.

3. In a copy-holder, a base, a case supported thereby, copy-supports in the case, means for permitting the yielding of the copy-supports and means for holding the copy in engagement with the supports.

4. In a copy-holder, a base, a case on the base, copy-supports in the case, means for permitting the movement of the copy-supports and means for holding the copy in engagement with the supports and for imparting pressure toward the edges of the copy.

5. In a copy-holder, a case, copy-holders movable in the case, whereby the copy is permitted to be exposed on a predetermined plane, clamping members coacting with the copy-holders and means for operating the clamping members.

6. In a copy-holder, a suitable case, and yieldable copy-supports carried by the case, clamping members adapted to act in conjunction with the copy-holders, means whereby the clamping members impart pull toward the edges of the copy and means for operating the clamping members.

7. In a copy-holder, a suitable case, and yieldable copy-supports carried by the case, clamping members adapted to act in conjunction with the copy-holders, means whereby the clamping members impart pull toward the edges of the copy, means for operating the clamping members and a detent for holding the clamps in operative position.

8. In a copy-holder, a case, means in the case for supporting a book in its open position, means for holding the book on the supports and means for permitting the exposed leaves of the book to lie on the same plane.

9. In a copy-holder, a case, book-supporting means in the case, clamping members acting in conjunction with the supports, and means for operating the clamping members whereby the copy engaged by each set of clamping members is pressed to line on the same plane.

10. In a copy-holder, a suitable base, a case hinged thereto, a quadrant on the back of the case, an operating-lever acting in conjunction with the quadrant, a detent on the lever adapted to engage the quadrant for retaining the lever in different adjustments, clamping members, means operatively connected with the lever and clamping members for imparting movement to the said clamping members and copy-holders with which the clamping members coact.

11. In a copy-holder, a suitable base, a case hinged thereto, a quadrant on the back of the case, an operating-lever acting in conjunction with the quadrant, a detent on the lever adapt-



ed to engage the quadrant for retaining the lever in different adjustments, clamping members, means operatively connected with the lever and clamping members for imparting movement to said clamping members and yieldable copy-holders with which the clamping members coact.

12. In a copy-holder, a suitable base, a case, yieldable copy-holders carried by the base, clamping members coacting with the copy-holders, and means for adjusting the clamping members longitudinally.

13. In a copy-holder, a case, yieldable copy-holders therein, shafts journaled on the case, means for operating the shaft, clamping members adjustable longitudinally of the shaft, and means for permitting the longitudinal adjustment of the clamping members.

14. In a copy-holder, a case, copy-holders therein, shafts journaled on the case, means

for operating the shaft, clamping members adjustable longitudinally of the shaft, and means for permitting longitudinal adjustment of the clamping members.

15. In a copy-holder, a case, shafts journaled on the case, clamping-blocks adjustable longitudinally of the shafts, fingers adjustable in the clamping-blocks, and means for rotating the shafts.

16. In a copy-holder, a case, shafts journaled on the case, fingers mounted upon the shafts and extending tangentially thereto, means for rotating the shafts.

Witness my hand at Rochester, New York, this 2d day of February, 1905.

GEORGE C. BEIDLER.

Witnesses:

NORMAN H. GROOT,  
GEO. W. VAN INGEN.