

M. L. FLYNN.
COPY HOLDER.
APPLICATION FILED JAN. 8, 1908.

899,520.

Patented Sept. 29, 1908.

2 SHEETS—SHEET 1.

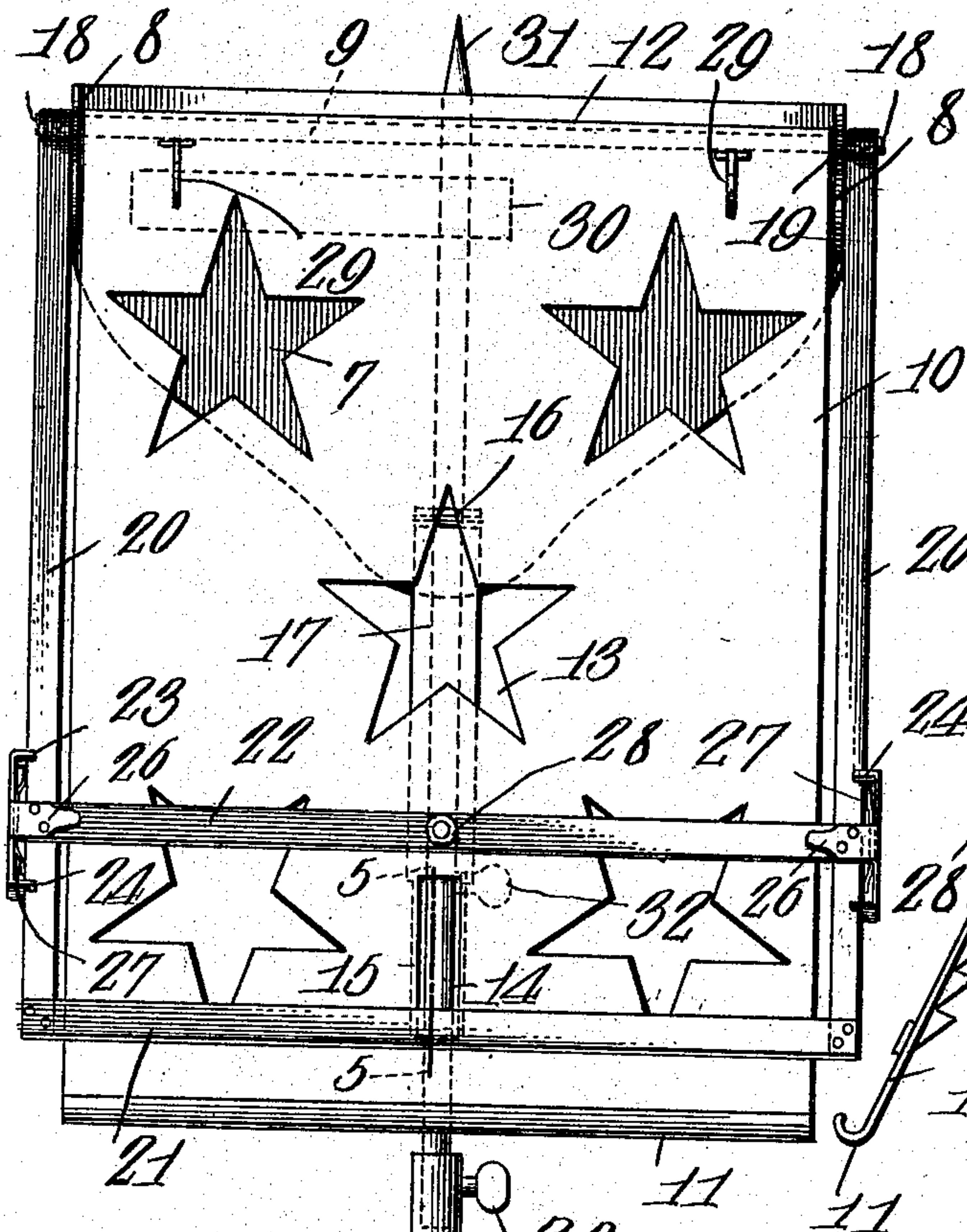


Fig. 1.

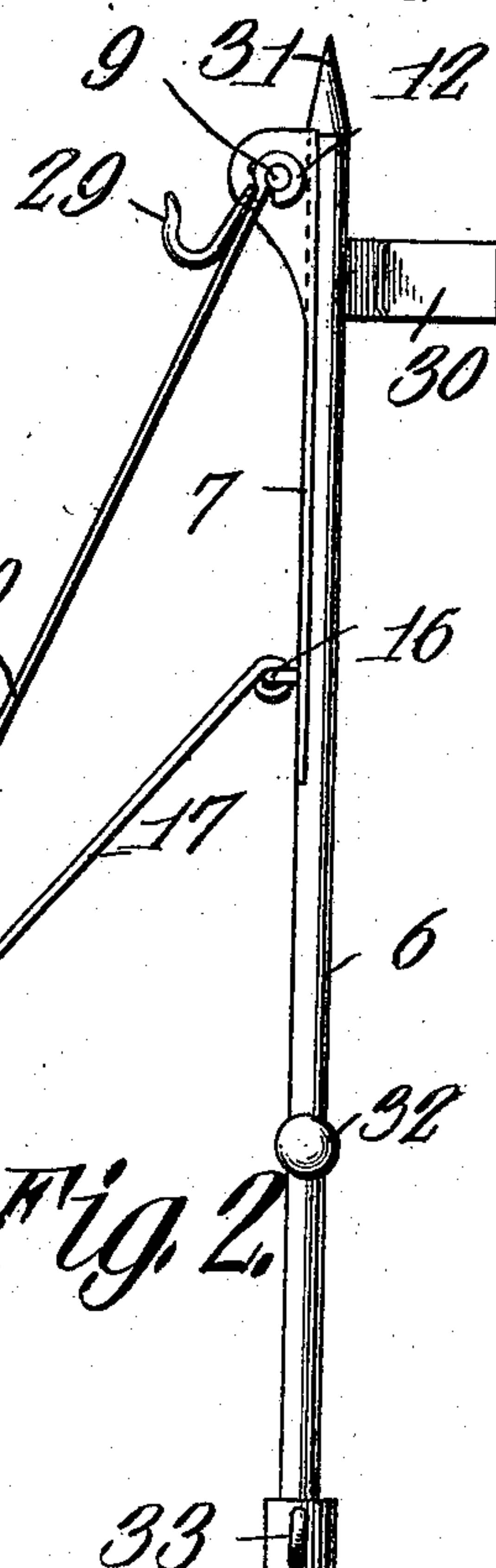


Fig. 2.

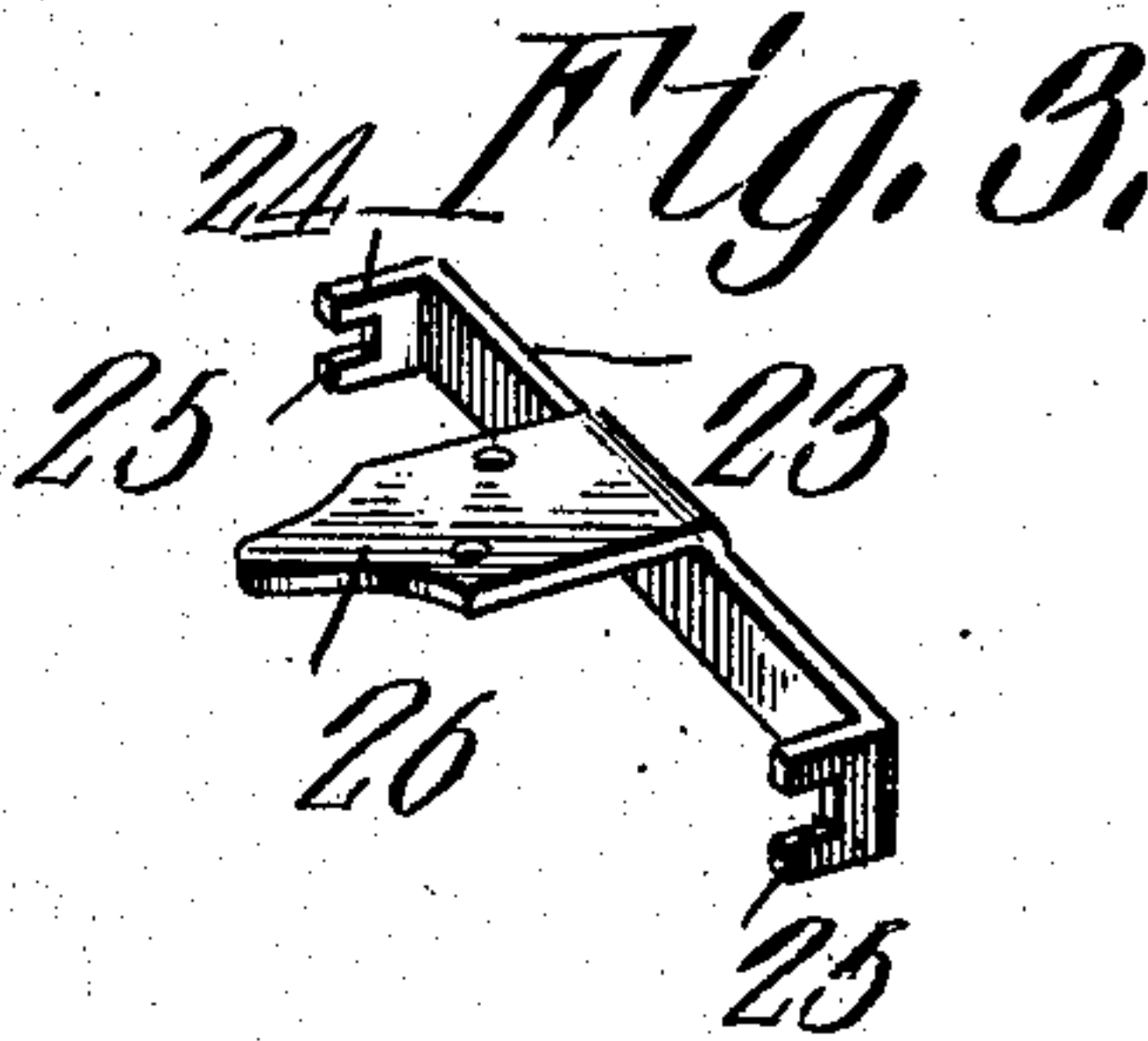
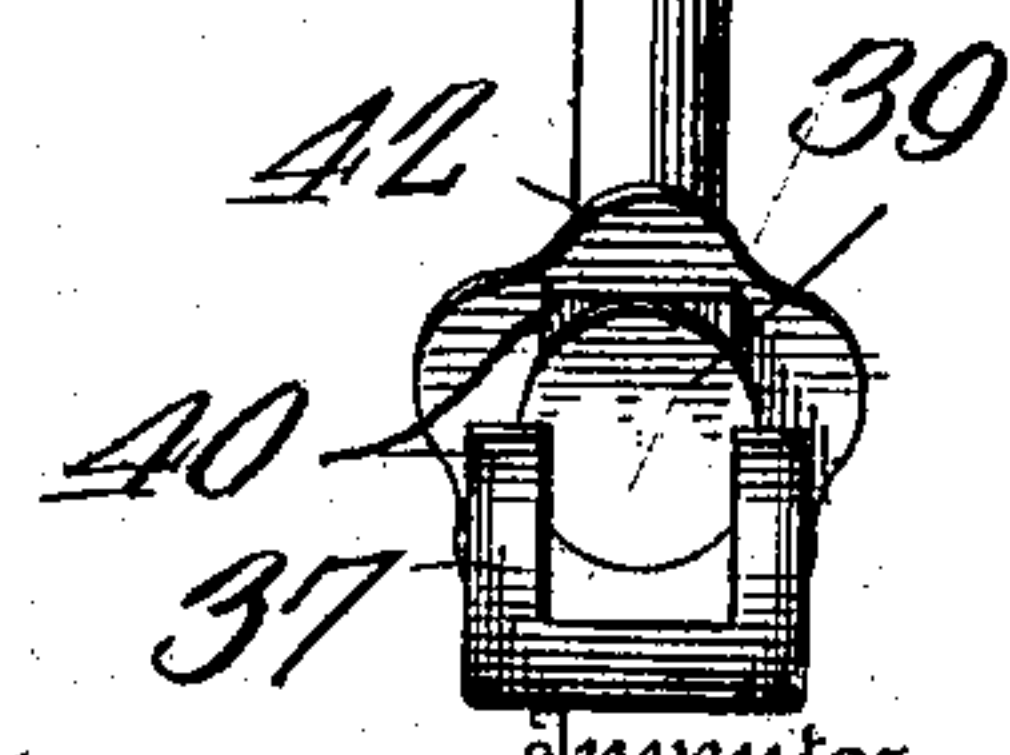
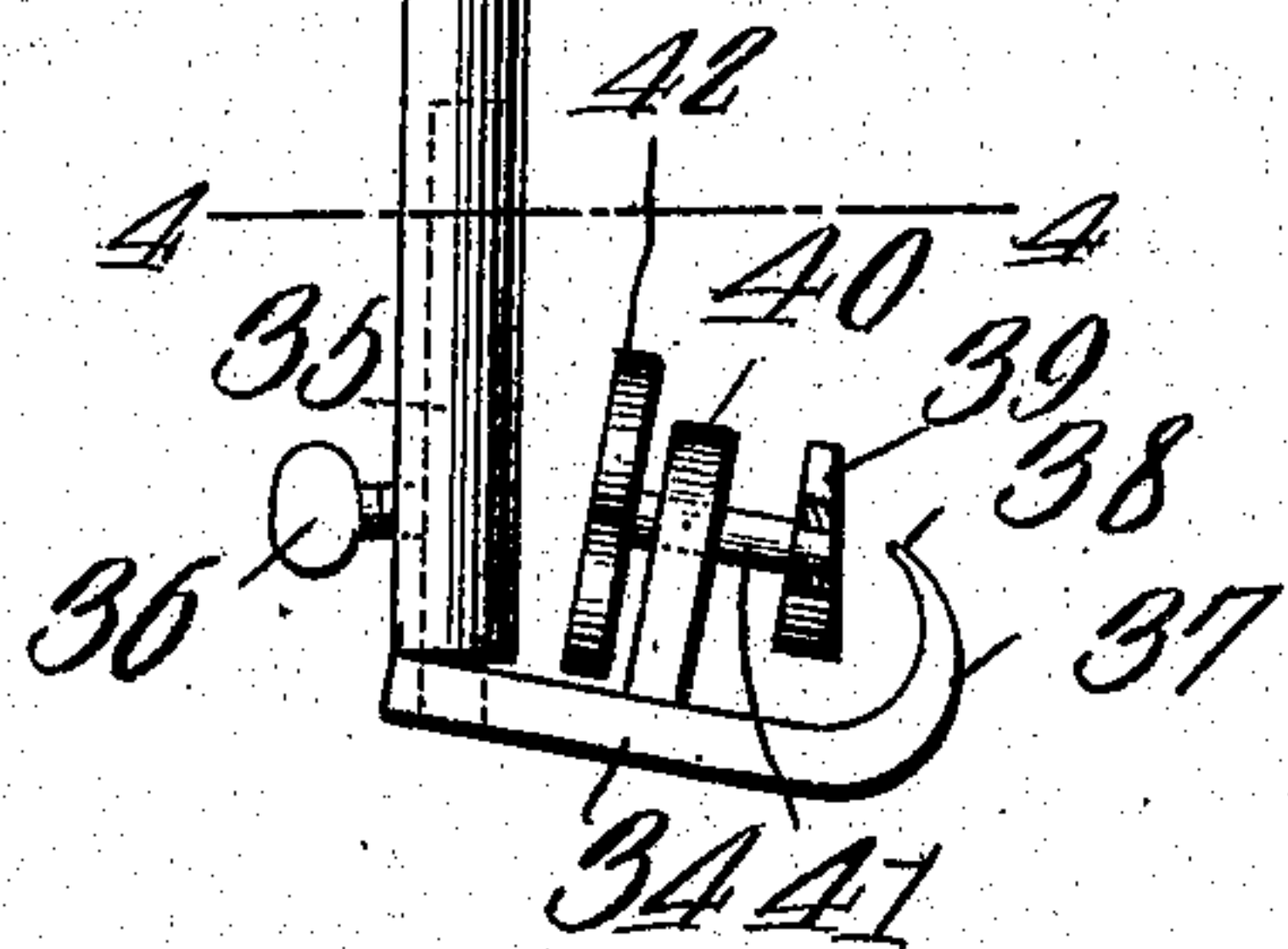


Fig. 3.



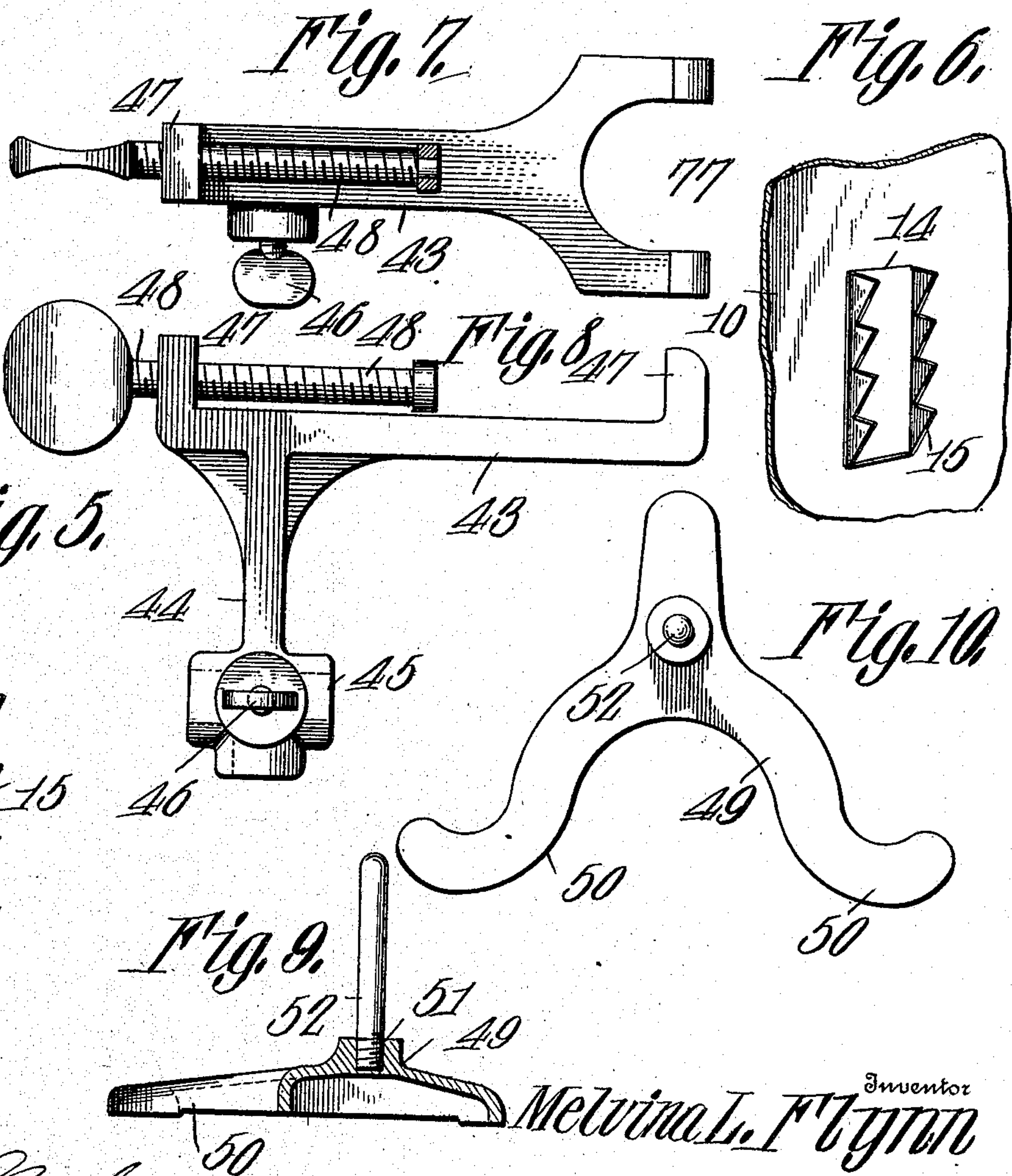
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

MELVINA L. FLYNN, OF DALLAS, TEXAS.

COPY-HOLDER.

No. 899,520.

Specification of Letters Patent.

Patented Sept. 29, 1908.

Application filed January 8, 1908. Serial No. 409,840.

To all whom it may concern:

Be it known that I, MELVINA L. FLYNN, a citizen of the United States, residing at Dallas, in the county of Dallas and State of Texas, have invented a new and useful Copy-Holder, of which the following is a specification.

This invention relates to copy holders of that general class shown and described in United States Letters Patent issued on the 12th day of January 1904, under No. 749383.

The object of the invention is generally to improve and simplify the construction of the copy holder and to render the same more efficient in operation by the provision of yieldable means for supporting the line indicating bar in adjusted position.

A further object of the invention is to provide improved means for clamping the holder in position on a desk, table or other suitable support.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings forming a part of this specification: Figure 1 is a front elevation of a copy holder constructed in accordance with my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a detail perspective view of one of the guides of the line indicating bar detached. Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 1. Fig. 5 is a vertical sectional view taken on the line 5—5 of Fig. 1. Fig. 6 is a detail perspective view of a portion of the pivoted copy supported plate showing the manner of constructing the teeth or rack bars. Fig. 7 is a top plan view illustrating a modified form of clamp. Fig. 8 is a side elevation of Fig. 7. Fig. 9 is a side elevation partly in section illustrating a modified form of base for the standard. Fig. 10 is a top plan view of Fig. 9.

Similar numerals of reference indicate corresponding parts in all of the figures of the drawings.

The improved copy holder forming the subject matter of the present invention includes a tubular standard 5 having a rod section 6 slidably mounted within the same and to the upper end of which is riveted or other-

wise rigidly secured a supporting plate 7. The lower end of the plate 7 is preferably inclined or beveled in opposite directions, as shown while the opposite edges of the plate are bent laterally to form supporting ears 8 in which is journaled a transverse shaft 9.

Pivotaly mounted for swinging movement on the shaft 9 is a plate 10 having its lower end provided with a curved transversely disposed flange 11 adapted to receive and support the manuscript or sheets to be copied and which also may be used as a pencil holder and book rack, the upper end of said plate being coiled or bent around the shaft 9, as indicated at 12. The body of the plate is preferably stamped or otherwise formed with a plurality of star shaped openings 13 in order to lighten the same, and formed in said plate and extending longitudinally of the latter between the lower star shaped openings is an elongated slot 14, the walls of which are pressed laterally to produce spaced rack bars 15.

Pivotaly mounted at 16 on the supporting base 7 is a prop 17 the free end of which is adapted to engage the teeth on the rack bars 15 for supporting the plate 10 at the desired angle or inclination with respect to the rod 6.

The opposite ends of the shaft 9 are extended laterally beyond the ears 8 to form terminal extensions 18 to which are riveted or otherwise rigidly secured at 19 the side bars 20 of a swinging frame 21. The frame 21 bears against the manuscript or sheets of paper to be copied and serves to prevent accidental displacement of the same during the copying operation.

Extending transversely across the base of the plate 10 is a line indicating bar 22 to the opposite ends of which are riveted or otherwise rigidly secured guide shoes 23. The shoes 23 are each preferably stamped from a single piece of metal the opposite ends of which are bent laterally to form angularly disposed arms 24 the ends of which are bifurcated at 25 for the reception of the side bars 20 of the frame 21, there being securing lugs 26 extending laterally from the intermediate portions of the shoes 23 for attachment to the bar 22, as shown. The shoes 23 are yieldably supported in engagement with the side bars by means of leaf springs 27 each having its central portion bearing against the shoe at the attaching lug 26 and its opposite

ends engaging the adjacent longitudinal edges of the side bars 20.

Extending laterally from the central portion of the indicating bar 22 is a knob or finger piece 28 by means of which the bar may be adjusted vertically of the plate 10. Riveted, soldered or otherwise rigidly secured to the pivoted end of the plate 10 are spaced hooks 29 adapted to engage and support the sheets to be copied, there being a spring clasp 30 secured to the rear face of the plate 7 and adapted to receive the sheets of manuscript after the latter have been copied.

The free end of the rod 6 is preferably extended vertically above the pivoted end of the plate 10 and is provided with a pointed terminal 31 which pierces the copied sheets as the latter are swung rearwardly and downwardly within the clasp 30, thereby to assist in preventing accidental displacement of the sheets and also to enable the operator to determine by the mutilated appearance of the sheets which of the latter have been copied and which have not. A knob or finger piece 32 is preferably extended laterally from the upper rod section 6 so as to assist in adjusting the latter to vary the height of the plate 10, there being a clamping screw 33 threaded in the walls of the tubular standard 5 for locking the rod 6 in adjusted position.

Associated with the copy holder is a clamping device comprising a base 34 preferably disposed at a slight angle to the horizontal and provided with a vertical stem 35 which fits within the tubular standard 5, the parts being rigidly combined by a clamping screw 36. The free end of the base 34 is bifurcated to form spaced hooks 37, the bills 38 of which are extended in the direction of the standard 5 and co-act with a clamping disk 39 for retaining the copy holder in position on a desk, table or other suitable support.

Secured to the base 34 is an upright 40 having a transverse opening formed therein in which is threaded a clamping screw 41 one end of which is swiveled in the head 39, while the other end thereof is provided with a milled head or finger piece 42 by means of which the clamping disk 39 may be locked in engagement with a table or support. The lower portion of the disk 39 is preferably wider than the upper portion thereof and owing to the swiveled connection between the disk and screw 41 is prevented from rotating with the screw when the latter is adjusted.

In Figs. 7 and 8 of the drawings there is illustrated a modified form of clamp in which the body portion 43 is provided with a laterally extending arm 44 having a transversely disposed socket 45 formed therein for the reception of the rod or standard of the copy holder, there being a clamping screw 46 extending through the arm for locking the rod

in adjusted position within the socket 45. The base 43 is provided with laterally extending ears 47 in one of which is mounted for rotation a clamping screw 48 which serves to clamp the base carrying the copy holder in engagement with the support. This form of clamp may be used in either a horizontal or vertical position, as will be readily understood.

A further modification is illustrated in Figs. 9 and 10 of the drawings in which a stationary base 49 is provided, the latter being preferably formed with a plurality of spaced legs 50 which rest upon the table and retain the holder in position on the table or desk without the employment of a clamping device. The base 49 is provided with a central perforation 51, the interior walls of which are threaded for engagement with a pin 52 similar in construction to the pin 35 in Fig. 1 of the drawings and which enters the tubular member 5 of the copy holder in the manner before stated.

From the foregoing description it is thought that the construction and operation of the device will be readily understood by those skilled in the art and further description thereof is deemed unnecessary.

Having thus described the invention what is claimed is:

1. A copy holder including a standard, a support secured to the standard, a plate pivotally mounted for swinging movement on the support, means for adjusting the copy holder at an angle with respect to the standard, and a line indicating device slidably mounted on the copy holder, one end of the standard being extended vertically above the swinging plate and provided with a terminal piercing point.

2. A copy holder including a standard, a rod adjustable vertically of the standard, a supporting member secured to the rod, a plate pivotally mounted for swinging movement on the supporting member, means for adjusting the plate at an angle with respect to the rod, a pivoted frame, a line indicating bar slidably mounted on the frame and provided with terminal guide shoes, and springs interposed between the shoes and the frame.

3. A copy holder including a standard, a support secured to the standard, a plate pivotally mounted for swinging movement on the support and having an elongated slot formed therein, the opposite walls of which are bent laterally and provided with spaced teeth constituting racks, a prop pivotally mounted on the support and having its free end arranged to engage the teeth on the racks for supporting the plate at an angle with respect to the standard, a frame pivotally mounted on the plate, and a line indicating bar slidably mounted on the frame.

4. A copy holder including a tubular

standard, a rod slidably mounted in the standard and having its free end provided with a terminal piercing point, a supporting member secured to the rod beneath the piercing point and provided with oppositely disposed ears, a shaft journaled in said ears and having its opposite ends extended laterally beyond the same, a plate carried by the shaft and mounted for swinging movement on said shaft, said plate being provided with a longitudinal slot the opposite walls of which are bent laterally and provided with spaced teeth constituting racks, a prop pivotally mounted on the supporting member and adapted to engage the teeth, a frame pivotally mounted on the extensions of the shaft, and a line indicating bar slidably mounted on the pivoted frame.

5. A copy holder including a tubular standard, a rod slidably mounted for vertical movement in the standard, a supporting member rigidly secured to the rod and provided with laterally extending ears, a shaft journaled in said ears and having its opposite ends extended laterally beyond said ears, a plate pivotally mounted for swinging movement on the shaft, a rack carried by the plate, a prop pivotally mounted on the supporting member and adapted to engage the teeth on the rack for supporting the plate at an inclination with respect to the rod, a frame pivotally mounted on the extensions of the shaft, a line indicating bar slidably mounted on the frame, guide shoes secured to the opposite ends of the bar and provided with angular extensions having their free ends bifurcated for the reception of the adjacent side bars of the frame, springs interposed between the shoes and side bars of the frame, and means for locking the rod in adjusted position.

6. A copy holder including a standard, a supporting member rigidly secured to the standard and provided with laterally extending ears, a shaft journaled in said ears and having its opposite ends extended laterally beyond the ears, a plate pivotally mounted for swinging movement on the shaft and having its lower end provided with a terminal supporting flange, a frame pivotally mounted on the extensions of the shaft, a spring clasp secured to the rear portion of the supporting member, the upper end of the standard being extended vertically above the pivoted end of the swinging plate and provided with a terminal piercing point, and means for clamping the standard in engagement with a suitable support.

7. A copy holder including a base provided with means for engagement with a support and having a pin extending vertically from one end thereof, a tubular standard slidably mounted on the pin, a rod disposed within the standard, a support rigidly secured to the

rod and provided with oppositely disposed ears, a transverse shaft journaled in said ears and having its opposite ends extended laterally beyond the ears, a plate mounted for swinging movement on the shaft and having its lower edge formed with a curved flange, a frame pivotally mounted on the extensions of the shaft, a line indicating bar slidably mounted on the frame and provided with oppositely disposed guide shoes, springs interposed between the guide shoes and the pivoted frame, and a clasp secured to the rear face of the supporting member, one end of the rod being extended vertically above the supporting member to form a terminal piercing point.

8. A copy holder including a base having one end thereof bifurcated and bent upwardly to form spaced hooks, a pin extending vertically from the opposite end of the plate, an upright disposed between the hooks and pin and having a threaded transverse aperture formed therein, a bolt engaging the threads of the aperture and having one end thereof provided with a clamping disk and its opposite end formed with a finger piece, a tubular standard telescoping the pin, a rod slidably mounted in the standard, a supporting member rigidly secured to the rod, a plate pivotally mounted for swinging movement on the supporting member, a swinging frame bearing against the plate, a line indicating bar slidably mounted for vertical movement on the frame, means for adjusting the plate at an angle with respect to the rod, and a clasp secured to the rear face of the supporting member, the upper end of the rod being extended above the supporting member and provided with a terminal piercing point.

9. A copy holder including a base having a pin extending vertically therefrom, a tubular supporting member telescoping the pin, a rod slidably mounted in the standard and having its upper end terminating in a piercing point, a supporting member rigidly secured to the rod beneath the piercing point and provided with laterally extending ears, a shaft journaled in said ears and having its opposite ends extended beyond the ears, a plate pivotally mounted on the shaft and having an opening formed therein, the opposite longitudinal walls of which are extended laterally and provided with teeth constituting a rack, the free end of the plate being formed with a terminal flange, a frame pivotally mounted on the extensions of the shaft, a line indicating bar slidably mounted on the frame, guide shoes secured to the opposite ends of the bar, springs interposed between the guide shoes and frame, a prop pivotally mounted on the supporting member and engaging the teeth on the rack for adjusting the supporting member at an angle to the rod, and a clasp

secured to the rear face of the supporting member.

10. A copy holder including a standard, and a rest having one end thereof pivotally
5 mounted on the standard and adapted to support a copy, the upper end of the standard being extended above the pivoted end of the rest to form a mutilating member.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature 10 in the presence of two witnesses.

MELVINA L. FLYNN.

Witnesses:

C. F. EWING,
J. S. DUNHAM.