

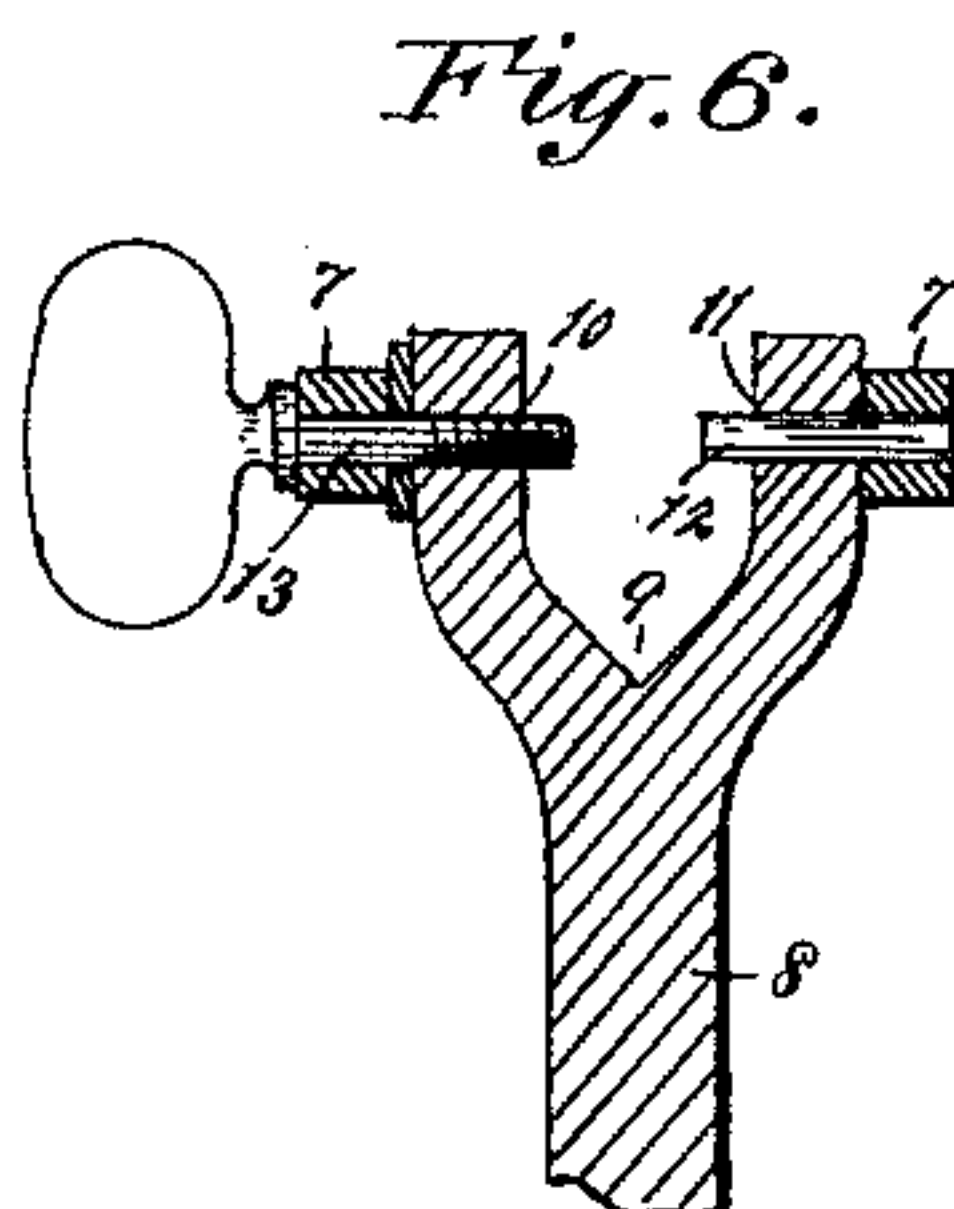
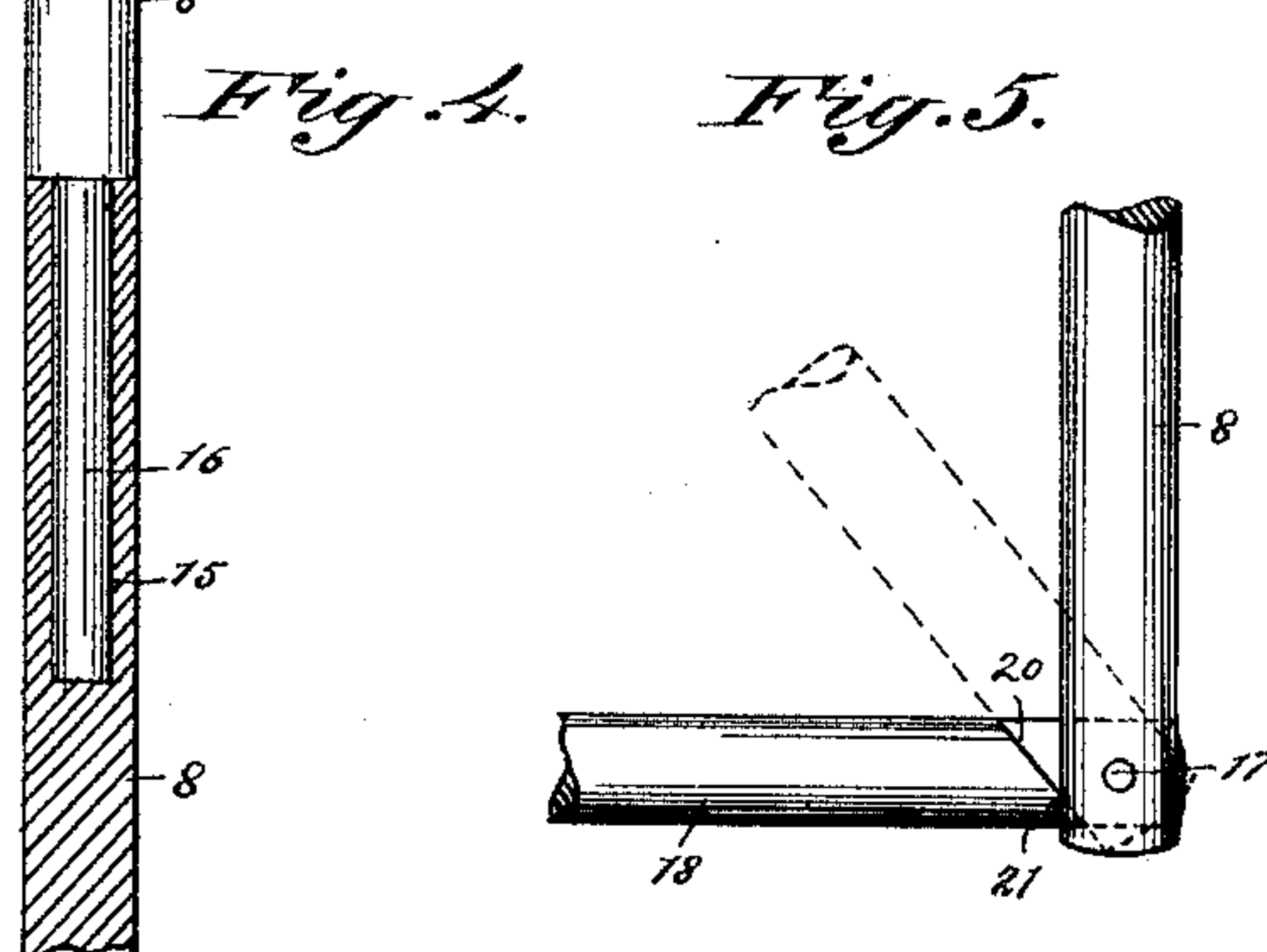
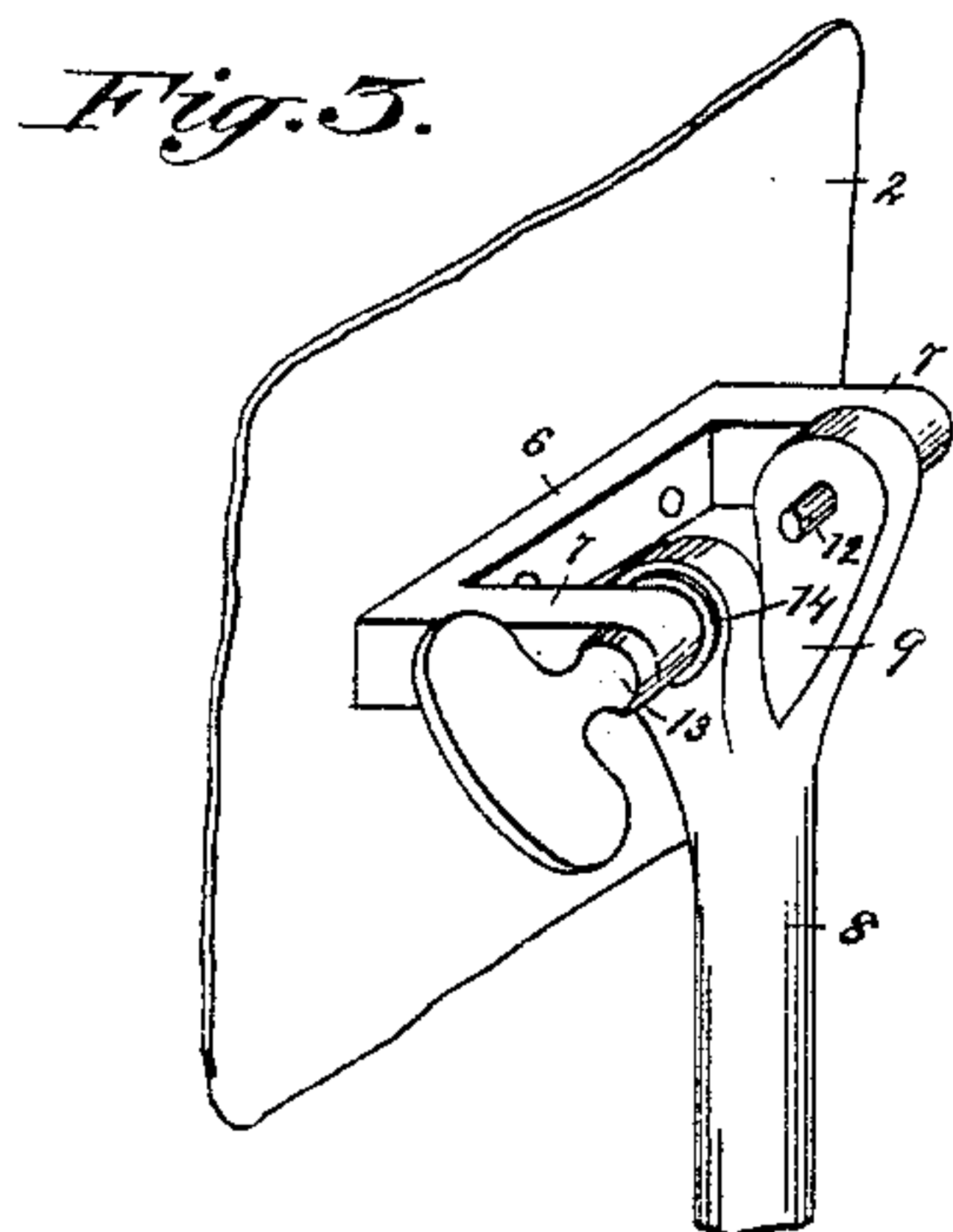
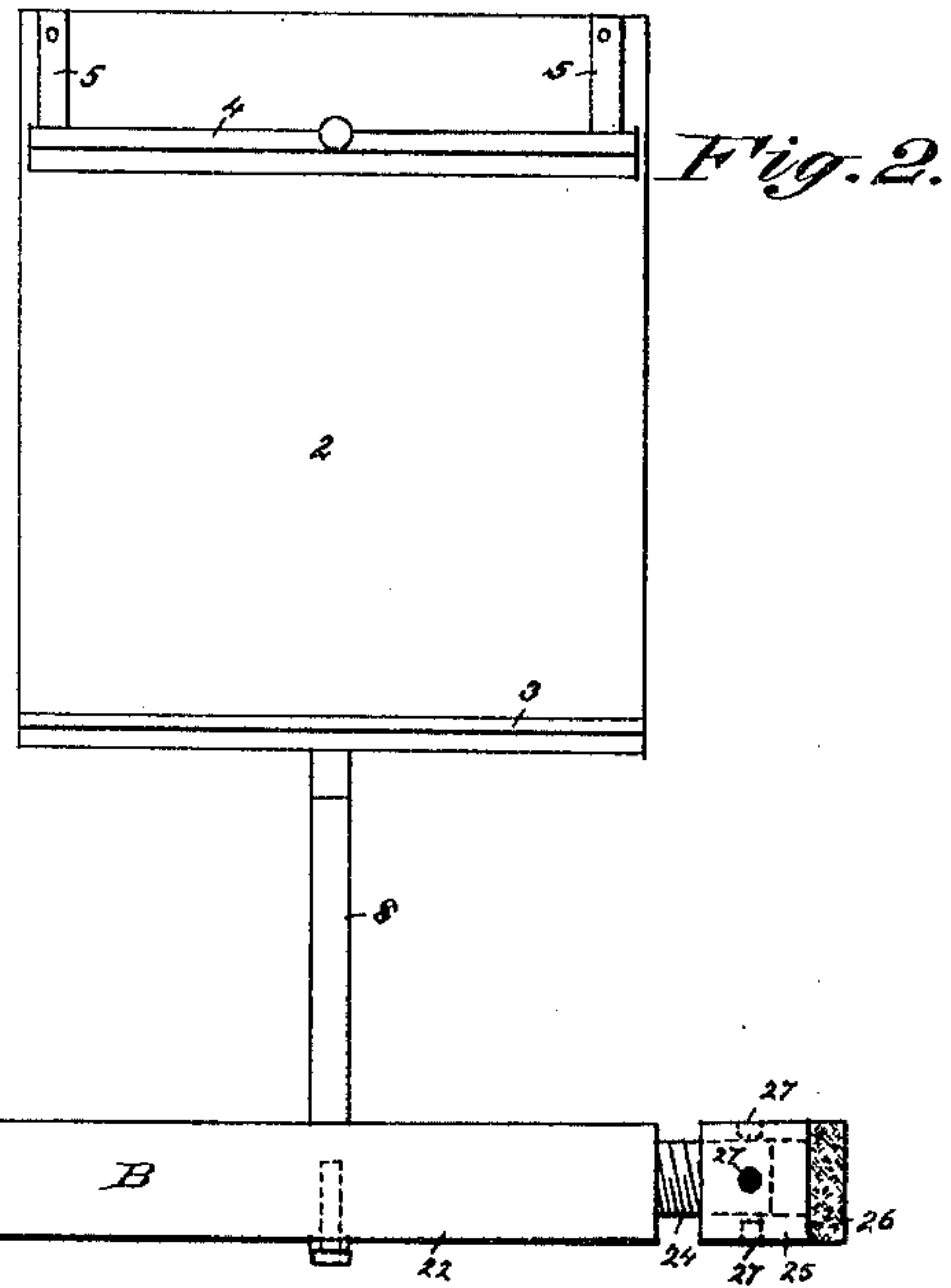
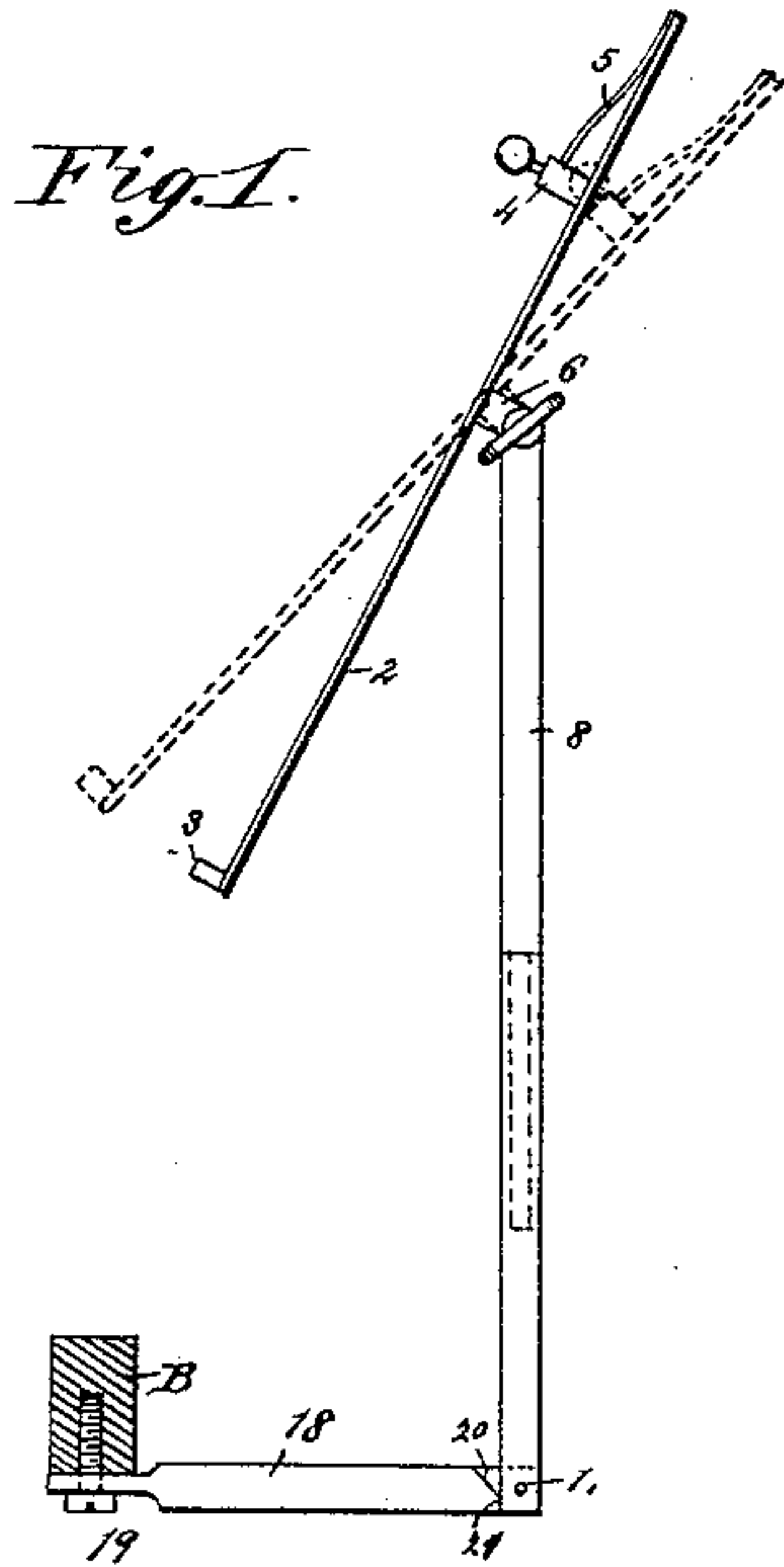
(No Model.)

2 Sheets—Sheet 1.

G. MUIR.
COPY HOLDER.

No. 410,602.

Patented Sept. 10, 1889.



Attest:

George B. Wilton

Martin Layden

Inventor:

George Muir

By Jacob Felbel
Atty:

(No Model.)

2 Sheets—Sheet 2.

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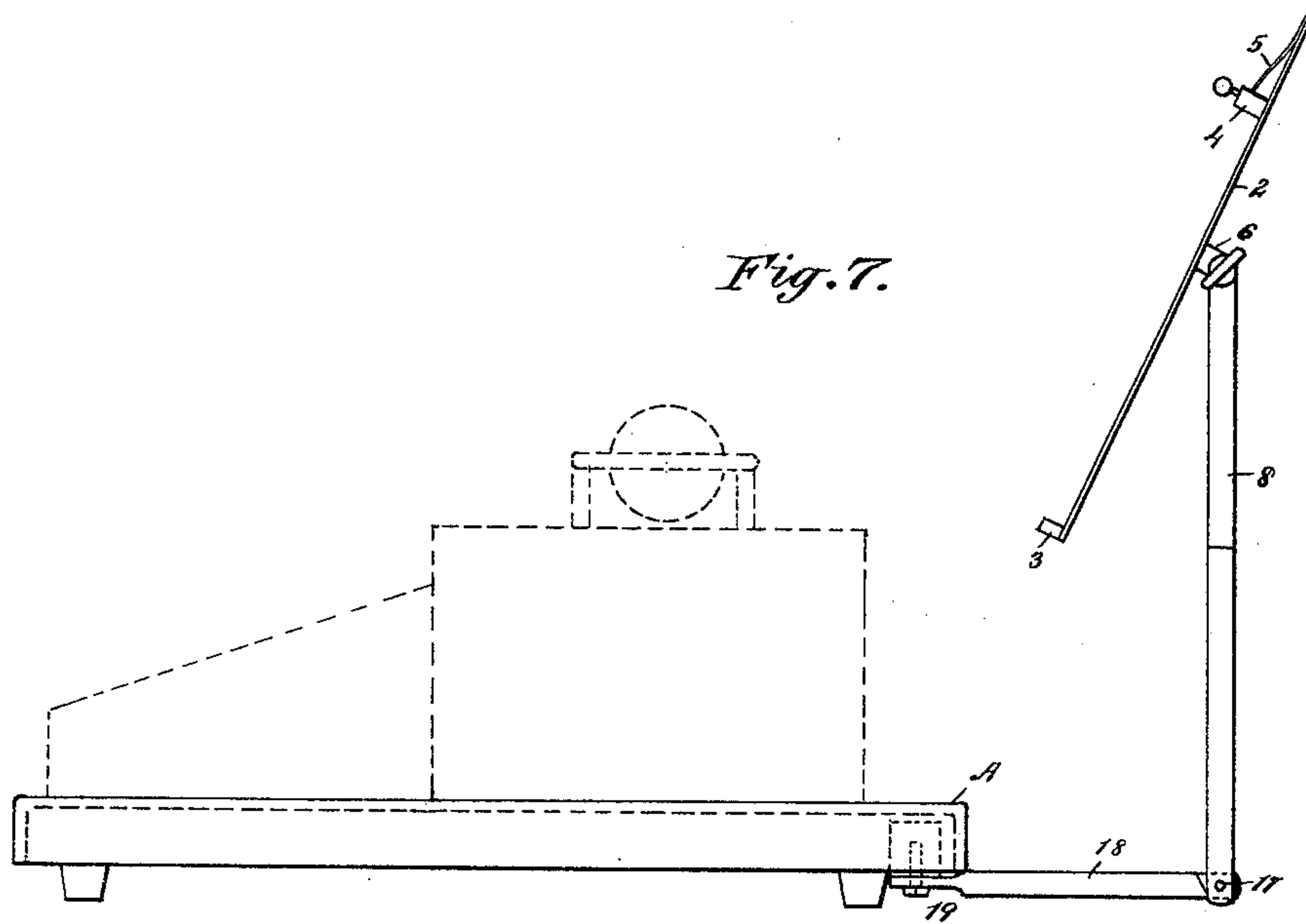
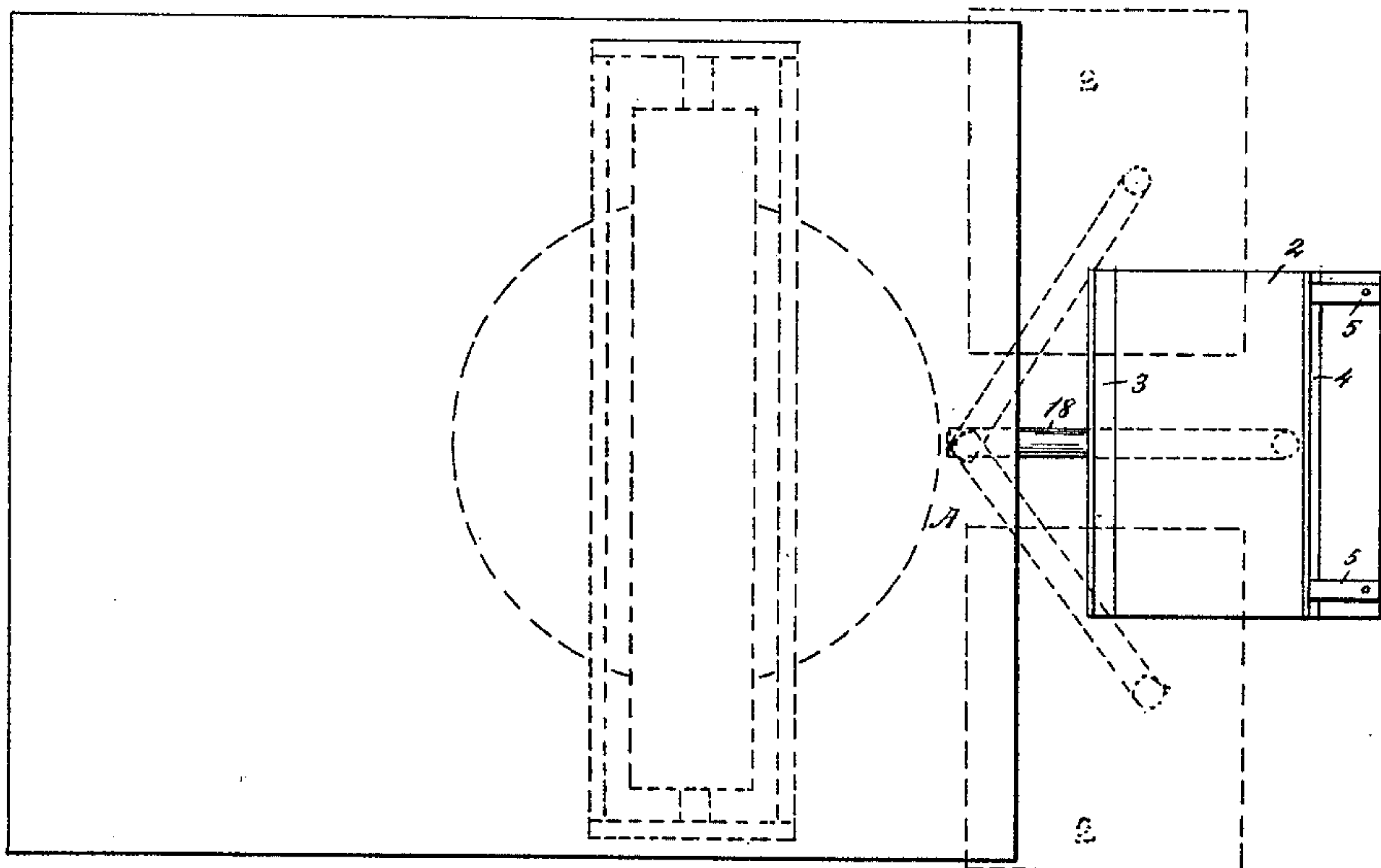


Fig. 8.



Attest:

George B. Milton.

Martin Layden

Inventor

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By Jacob Felbel

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UNITED STATES PATENT OFFICE.

GEORGE MUIR, OF BROOKLYN, NEW YORK.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 410,602, dated September 10, 1889.

Application filed October 9, 1888. Serial No. 287,666. (No model.)

To all whom it may concern:

Be it known that I, GEORGE MUIR, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Copy-Holders, of which the following is a specification.

My invention relates particularly to copy-holders for use in connection with type-writing machines, and has for its main objects the production of a cheap, durable, and efficient contrivance capable of all the manifold adjustments required by those having occasion to use such a device; and to these ends my invention consists in the features of construction and combinations of parts hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a side elevation of a copy-holder embodying my invention. Fig. 2 is a front elevation of the same. Fig. 3 is an enlarged perspective view of a portion of the copy-table and its support. Fig. 4 is an enlarged sectional view of the copy-table support. Fig. 5 is an enlarged side elevation of a portion of the table-support and the carrier-arm or bracket to which it is pivoted. Fig. 6 is a vertical section of the joint at the copy-table and its support. Fig. 7 is a side view of a type-writing machine with the copy-holder attached thereto. Fig. 8 is a plan view of the same, showing some of the adjustments of the copy-holder.

In the several views the same parts will be found designated by the same letters and numerals of reference.

2 represents the paper or copy holding table bed or plate of the contrivance, provided at its lower edge with a cross-strip 3, to retain a stenographer's note-book or the like, and at its upper portion with a paper-holding device or clip, consisting of a cross-bar 4 and two flat springs 5 5, the latter being riveted or otherwise attached to the paper bed or table 2, and the former being connected to the lower free ends of the spring-arms 5 5.

At the rear side of the paper-table is provided a bracket 6, having rearwardly-projecting arms or lugs 7 7, perforated in line at or near their ends.

8 designates a standard or support for the paper-table, the upper end of which is bifurcated, as at 9, and adapted to fit within the lugs or arms of the paper-table bracket. This forked end of the support is preferably provided with a transverse threaded perforation 10 in one branch and a plain perforation 11 in the other, said perforations being in line with those in the bracket-arms. At one side a plain pin 12 is passed through the coinciding perforations, and at the other side a thumb-screw 13. These devices serve as the pivot or axis of motion of the paper-table. Between the outer surface of the threaded fork and the inner surface of its contiguous bracket-arm 7 is introduced a washer 14. The employment of the thumb-screw is for the purpose of obtaining friction at the joint or pivot, so that the copy or paper table may be adjusted to and set at any desired inclination without the use of special fastening devices. It will be observed that by turning the thumb-screw the support 8 may be drawn against the bracket (or the interposed washer) as tightly as desired and thus create sufficient friction to overcome the weight of the paper-table when inclined to the vertical, as seen at Fig. 1, whereat I have shown the same adjusted to two positions.

If desired, the screw and the pin may be made in one piece.

The table-support I make in two parts, the lower member being formed with a socket 15 and the upper one with a spindle 16, adapted to fit and turn therein so as to permit the revolution or partial revolution of the paper-table. The lower end of the lower member is hinged by a pin 17 to the rear end of a horizontally-arranged arm or bracket 18, which may be pivoted at its front end at 19 to the back portion of the type-writing machine, which is designated by the letter A; but in lieu of pivoting this arm 18 to the machine proper I prefer to pivot it to a cross strip or block B, attached to the machine, although it will be seen that it may be pivoted to the table or stand upon which the machine is mounted.

The rear end of the arm is formed with a slanting shoulder or abutment 20 on each side to act as a stop to the forward vibration of the paper-table support 8. It is also formed with

a square or vertical shoulder 21 to serve as an abutment and stop to the rearward movement of the paper-table support, which may normally stand slightly back of the vertical. In practice I prefer to flatten the rear end of the arm 18, as shown, and bifurcate the end of the lower member to straddle the same.

The cross-strip or filler B is preferably composed of wood and is made adjustable or extensible to fit between the side frames or flanges at the bed of a type-writing machine. It is composed of a bar portion 22, provided at one end with a rubber or other yielding or compressible tip 23, and at the other end with a screw-stem 24, on which is arranged to travel a nut or follower 25, provided with a rubber tip 26 and holes or depressions 27, for the introduction of a pin or tool to effect its rotation. The filler is made adjustable for different widths of machines and for the purpose of enabling it to be securely fitted to the machine to sustain the copy-holder.

In the use of the contrivance the arm 18 is pivoted at the rear at about the center of the machine widthwise, so that the operator, sitting at the front of the machine, may have his copy directly in front of him, if desired. Should he, however, desire to have it located at any point either to the right or left of the center, it is only necessary for him to swing the arm 18 to such desired locality, as seen at Fig. 8 by the dotted lines. Inasmuch as the paper-table would stand angularly or diagonally of the machine when swung to either of the dotted-line positions of the carrier-arm shown at Fig. 8, were the support 8 made in one piece, the purpose of making such support in two pieces and rotatable about a vertical axis will now be apparent.

If it be desired to have the copy stand nearer the eyes of the operator, the support 8 may be tipped forward at the hinge-pin 17 to the dotted-line position shown at Fig. 5.

The paper-table may of course be swung to any desired angle or position, and wherever it may be left by the operator it will remain by reason of the friction at the joint, without the setting or fixing of the same by a binding-screw or other like device, as heretofore used, and which had to be manipulated twice every time a change in the angle of the table was desired.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a copy-holder, the combination, with the paper-table and its support, of a friction device at the horizontal joint or axis of the paper-table operating constantly to resist motion of the paper-table about said axis due to gravity, but capable of being overcome by muscular force applied to the paper-table to vibrate the same, whereby the paper-table is caused to remain at any inclination to which it may be adjusted without obliging the user

to operate the friction device independently of the paper-table, as set forth.

2. In a copy-holder, the combination of a pivoted horizontally-arranged carrier-arm 18, a vertical two-part support, and a paper-table, substantially as set forth.

3. In a copy-holder, the combination of a cross-strip, as B, adapted to be attached to the base of a type-writing machine, the pivoted carrier-arm, the vertical support, and a paper-table, substantially as set forth.

4. In a copy-holder, the combination of an extensible cross-strip, as B, the pivoted carrier-arm, the vertical support, and the paper-table, substantially as set forth.

5. In a copy-holder, the combination of the cross-strip provided with a compressible or yielding end, the carrier-arm, the vertical support, and the paper-table, substantially as set forth.

6. In a copy-holder, the combination of the cross-strip consisting of the bar portion, the screw, and the nut, the arm 18, the vertical support, and the paper-table, substantially as set forth.

7. In a copy-holder, the combination of the carrier-arm having an inclined abutment, the hinged support, and the paper-table, substantially as set forth.

8. In a copy-holder, the combination of the carrier-arm having a vertical abutment, the hinged support, and the paper-table, substantially as set forth.

9. In a copy-holder, the combination of the carrier-arm having a vertical and an inclined abutment, the hinged support, and the paper-table, substantially as set forth.

10. In a copy-holder, the combination of the paper-table provided with the rearwardly-extending perforated arms 7 7, the perforated and threaded paper-table support 8, the thumb-screw 13, passing through one of said arms and engaging with the threaded portion of the paper-table support, and the pin 12, passing through the other of the said arms 7 and into the perforated portion of the paper-table support, substantially as set forth.

11. In a copy-holder, the combination of the adjustable paper-table, the pivoted carrier-arm, and the two-part rotatable support hinged to the carrier-arm, substantially as set forth.

12. A copy-holder provided with an extensible cross-strip B, adapted to be secured between the sides of a type-writing machine bed or frame, substantially as set forth.

Signed at the city of New York, in the county of New York and State of New York, this 1st day of October, A. D. 1888.

GEO. MUIR.

Witnesses:

JOHN MUIR,
IRVING H. TIFFT.