

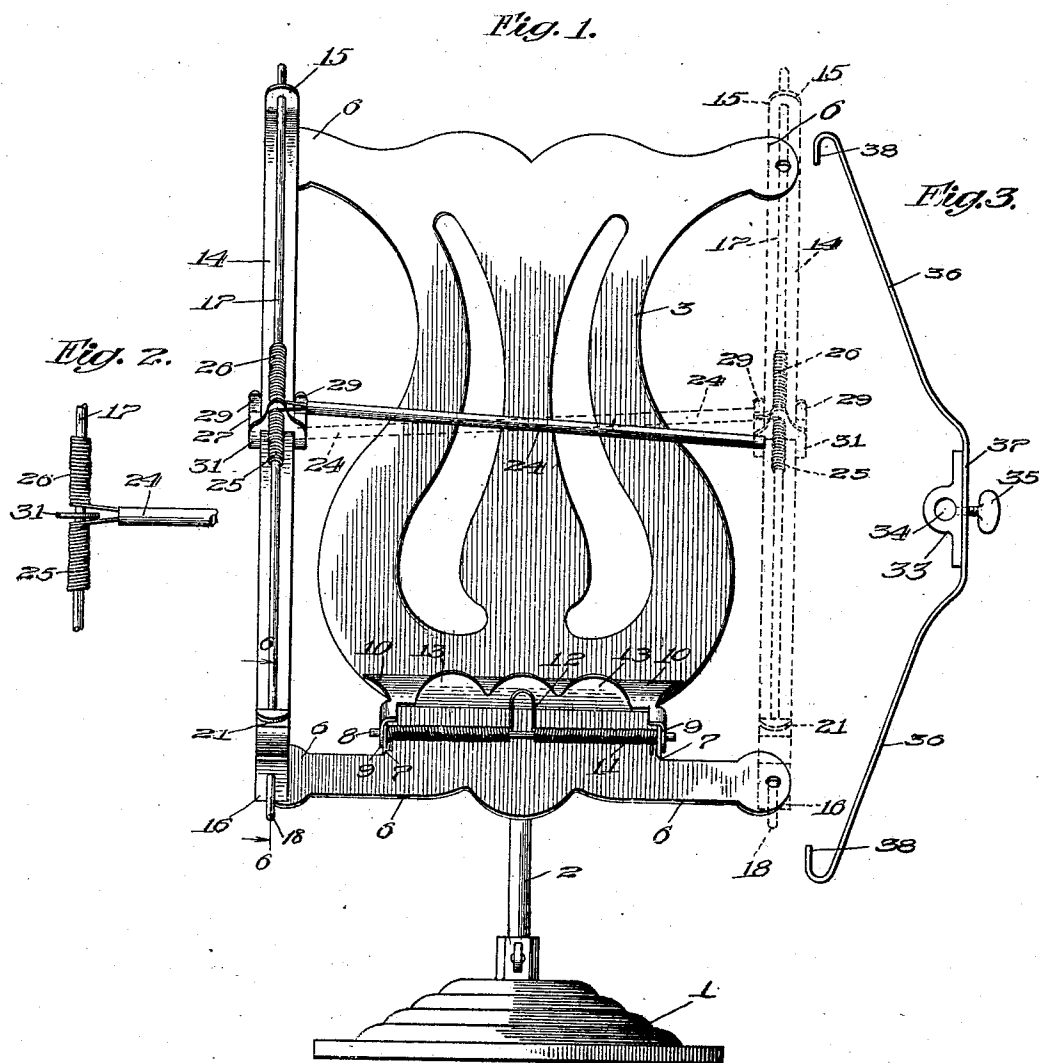
No. 842,115.

PATENTED JAN. 22, 1907.

A. B. REID.
STENOGRAPHER'S COPY HOLDER.

APPLICATION FILED JAN. 22, 1904.

2 SHEETS—SHEET 1.



Witnesses:
Robert H. Weir
W. Perry Halm

Inventor
Arthur B. Reid
By: James A. Addington
Attorneys

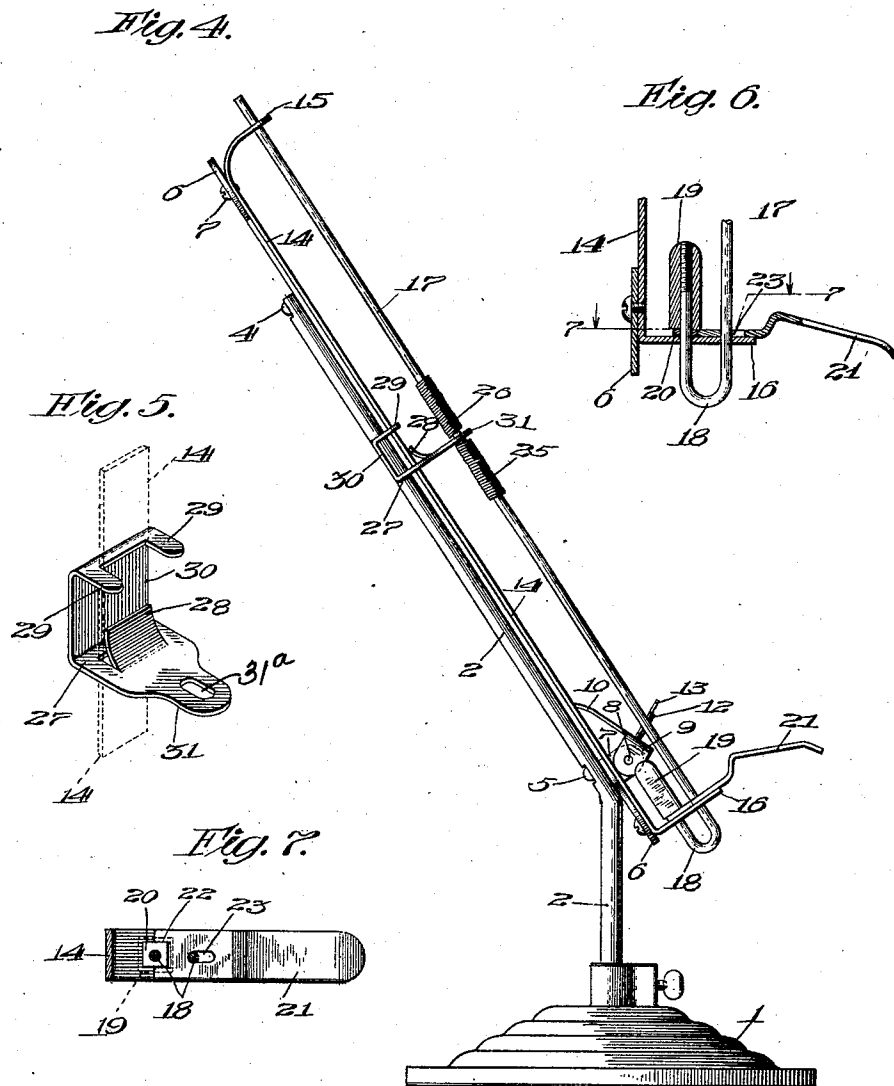
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Witnesses:

Robert H. Weir
W. Perry Palmer

Inventor

Arthur B. Reid
By Jones & Hadington
Attorneys

UNITED STATES PATENT OFFICE.

ARTHUR B. REID, OF CHICAGO, ILLINOIS.

STENOGRAPHER'S COPY-HOLDER.

No. 842,115.

Specification of Letters Patent.

Patented Jan. 22, 1907.

Application filed January 22, 1904. Serial No. 190,160.

To all whom it may concern:

Be it known that I, ARTHUR B. REID, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Stenographers' Copy-Holders, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawings, forming a part of this specification.

My invention relates to stenographers' copy-holders, my object being to provide an improved form of holder for a book or document.

A further object is to provide an improved means for holding or clamping the copy to the supporting-plate, said means having an additional rest whereby the copy may be supported without clamping it upon the supporting-plate when so desired.

A still further object of my invention is to provide a line-indicator which may be adjusted to be used on either the right or the left hand side of the machine.

In copy-holders previously constructed it has always been the custom to place the line-indicator in such a position that it is most conveniently operated by the right hand. There have been no means provided whereby persons who are in the habit of using their left hand may conveniently operate the line-indicator; and it is one of the objects of this invention to so construct the line-indicator that it may be readily changed from one side of the supporting-plate to the other and operated by either hand.

I have illustrated the preferred embodiment of my invention in the accompanying drawings, in which—

Figure 1 is a front elevation of my invention. Fig. 2 is a detail view of the line-indicator. Fig. 3 is a modification of the supporting-base for the copy-holder. Fig. 4 is a side elevation of my copy-holder. Fig. 5 is a detail view of the clutch for the line-indicator. Fig. 6 is a sectional view of the lower end of the supporting-rod for the line-indicator and the operation-lever therefor. Fig. 7 is a sectional view taken on the line 7 7 of Fig. 6.

Like numerals refer to like parts in the several figures of the drawings.

In the construction which I have worked out as being the most practical form of obtaining the various objects of my invention I provide a base-plate 1, which may be of any suitable form most convenient for supporting

the copy-holder, in which is mounted a rod or standard 2, the upper end of which is bent and extends along the middle of the back of the supporting-plate, being secured in position by rivets 4 and 5. The supporting-plate 3 is preferably harp-shaped, as shown in the drawings, having extending arms 6 6 on either side thereof, to which is secured the support for the line-indicator: While I have shown the supporting-plate as being of this particular shape, I do not desire to limit myself to a supporting-plate of this particular form, as I may use a supporting-plate constructed in numerous ways without departing from the spirit of my invention.

Outwardly-projecting lugs 7 are formed on the lower portion of the supporting-plate 3, in which is journaled a rod 8, and pivoted upon said rod are lugs 9, formed upon the clamp 10, which serves to hold the paper upon the supporting-plate. A coiled spring 11, having its outer ends bearing against the supporting-plate, and a projection 12, bearing against the clamping-plate, serve to normally hold the clamp in position to firmly hold the paper against the supporting-plate. Said clamp is preferably formed of sheet metal and has its lower end turned outwardly, forming a shelf or support 13, upon which may be rested the book or paper when it is not desired to secure or clamp the same to the supporting-plate. This outwardly-extending shelf 13 also serves as a finger-piece by which the clamp may be operated.

Secured to the arms 6 6 by screws 7 is a flat strip 14, having its ends bent at right angles to form projections 15 and 16, through which is journaled the rod 17. This rod at its lower end is bent to form the short upwardly-extending arm 18, which projects through an opening in the projection 16 and is provided at its end with a nut 19, screwed thereon. To prevent the screw-threads on said arm 18 from being stripped in reciprocating the rod, the lower half of the nut is not threaded, and the bore is large enough to receive the portion of the arm 18 which is threaded. By this construction the threads of the arm are shielded even when the nut is at its highest point of adjustment. The lower end of the nut has a reduced squared portion 20, forming a shoulder which rests upon the inner end of a lever 21. The lever is preferably provided with a slot 22 to accommodate the reduced portions of the nut, and thereby prevent the same from turning; but any other

means may be used to prevent the nut from turning, and I have found that frictional engagement of the same with the lever will ordinarily prevent the nut from being turned.

5 The rod 17 passes through an elongated slot 23 in the lever, holding the same in position and preventing any tendency of the lever to move laterally. The rod is reciprocated through the medium of the lever for a purpose more
10 fully hereinafter specified, and the movement of said rod may be adjusted by means of the nut 19. I also provide a rod or line-indicator 24, at one end of which are secured
15 two wires 25 and 26. These wires are formed into spirals, which are normally not in alinement, but at a slight angle with each other, and thus when slipped over the rod 17 they tend to frictionally engage and clamp the rod and hold the line-indicator 24 in position.
20 These spirals further act as a hinge whereby the rod may be thrown to either side of the rod 17.

The line-indicator is adapted to be moved downward step by step as the rod is reciprocated, and to accomplish this movement I
25 employ a clutch 27, which prevents upward movement of the line-indicator as the rod ascends, while permitting the line-indicator to descend with the rod. This clutch 27 is provided with an opening through which the
30 strip 14 passes, and a tongue 28, adapted to engage the strip as the rod is moved upward. Two inturned lugs 29, formed on the back piece 30 of the clutch, embrace the strip 14 on either side to aid in guiding the clutch
35 during its movement upon the strip. The base 31 of the clutch rests between the two coils 25 and 26, an elongated opening 31^a being provided, through which the rod 17 is adapted to pass and moves the clutch with
40 the line-indicator as the same is operated by the rod 17.

The line-indicating device is illustrated as being arranged in a position to be operated
45 by the right hand; but, as shown in dotted lines in Fig. 1, it may be readily placed upon the opposite side of the supporting-plate to be conveniently operated by the left hand, and in order to make this change it is only
50 necessary to change the position of the supporting-strip 14, as the rest of the line-indicating device is supported upon this strip. The line-indicator rod being hinged upon the
55 rod by the coils 25 and 26, may be readily swung around to operate in this position.

In order to attach the copy-holder to an Oliver type-writer, I have provided a modified form of support for the same, which is illustrated in Fig. 2 of the drawings. As
60 shown, the support comprises a block 33, having an opening 34, in which the lower end of the standard 2 is adapted to fit, a thumb-screw 35 being provided to hold the same securely in position. Secured to the block 33
65 are two oppositely-extending arms 36, pref-

erably formed of one piece of material having a straight portion 37 at the point where it is secured to the block 33. These two arms are preferably inclined forward and have their ends bent, as at 38, to engage the vertical
70 type-guards of the machine and support the bracket in position.

The operation of my invention is as follows: When it is desired to insert a note-book or paper in the holder, the shelf 13 is pressed
75 downwardly, thereby opening the clamp, and the book or paper may be inserted in position. When the pressure is released, the coiled spring 11 serves to normally hold the clamp against the supporting-plate, and there-
80 by support the copy. If it is not desired to clamp the paper to the supporting-plate, it can be readily rested upon the shelf 13. In order to operate the line-indicator, the rod 17 is moved up by pressure upon the lever 20,
85 and as the rod moves upwardly the spirals 25 and 26 tend to move up with it, carrying with them the clutch 27. The clutch, however, having a slight freedom of movement is rocked
90 so as to throw the tongue 28 into contact with the strip 14, thus preventing further movement of the clutch and of the spirals 25 and the rod 24. The further upper movement of the rod 17 therefore causes the
95 same to slide freely, and when the pressure on the lever 20 is released the rod 17 will move downwardly, due to its weight and the weight of the nut 19, until stopped by said nut, carrying with it the spirals 25 and 26, the rod
100 24, and the clutch 27, the tongue 28 offering no opposition to the downward movement of the clutch and associated parts. When the line-indicator by successive steps has reached the bottom of the page, a slight forward pressure upon the portion 30 will free the tongue
105 28 from contact with the strip 14, and the rod 24 may be moved to the top of the page. As previously described, the movement of the rod 17 may be adjusted by the nut 19, and it will readily be seen that by adjusting the nut
110 to increase the movement of the rod, or vice versa, the distance between successive steps of the line-indicator will also be made greater or less.

It will be understood that the line-indicator
115 of my invention is applicable to other forms of copy-holders than the one specifically shown and described herein, the reciprocating rod carrying the line-indicator, the clutch and the strip being a separable structure capable
120 of operation in any place or on any device where it is desired to successively mark the lines or spaces on a copy. It will also be understood that while I have shown and described one form of my invention I do not
125 wish to limit myself to this particular construction, as other forms and modifications may be made without departing from the spirit of my invention.

Having described my invention, what I 130

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

1. In a copy-holder, the combination with a suitable supporting plate or frame, of a longitudinally-movable line-indicator, a clamp on the face of said plate and additional supporting means carried by said clamp whereby the copy may be supported without the use of the clamp.

2. In a copy-holder, the combination with a suitable supporting plate or frame, of a line-indicator and means operative to permit said line-indicator to move a predetermined distance longitudinally of said plate, said line-indicator and means being removably mounted upon said frame, and adapted to be secured upon either side thereof.

3. In a copy-holder, the combination with a suitable supporting plate or frame having laterally-projecting arms on both sides thereof, of a line-indicator adapted to be mounted upon said arms on either side of the plate.

4. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod, a line-indicator frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same to prevent the upward movement of said line-indicator when the rod is raised while permitting the downward movement of said line-indicator when the rod descends and a lever for reciprocating said rod.

5. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod, means for supporting said rod at its lower end, a line-indicator supported by said rod, and means to cause said line-indicator to move with said rod in one direction and for preventing movement of the line-indicator with the rod in the opposite direction.

6. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod, means for adjustably supporting said rod at its lower end, a line-indicator supported by said rod, and means to cause said line-indicator to move with said rod in one direction and for preventing the movement of the line-indicator with the rod in the opposite direction.

7. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower end turned up, means carried by said upturned portion for supporting said rod, a line-indicator supported by said rod, and means for causing the line-indicator to move with said rod in one direction and for preventing the movement of the line-indicator with the rod in the opposite direction.

8. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower end turned up, adjustable means carried by said up-

turned portion for supporting said rod, a line-indicator supported by said rod, and means for causing the line-indicator to move with said rod in one direction, and for preventing movement of the line-indicator with the rod in the opposite direction.

9. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower end turned up, said upturned portion having means for supporting the rod, a line-indicator frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same to prevent the upward movement of said line-indicator when the rod is raised while permitting the downward movement of said line-indicator when the rod descends.

10. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower portion turned up, adjustable means mounted upon said upturned portion for supporting the rod, a line-indicator frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same to prevent the upward movement of said line-indicator when the rod is raised while permitting the downward movement of said line-indicator when the rod descends.

11. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower end turned up, a nut mounted upon said upturned portion for supporting the rod, and means to prevent said nut from turning, a line-indicator frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same to prevent the upward movement of said line-indicator when the rod is raised while permitting the downward movement of said line-indicator when the rod descends.

12. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod, means for supporting said rod at its lower end, a lever fulcrumed upon said support and having its inner end engaging said support, means to reciprocate said rod, a line-indicator supported by said rod, and means for causing the line-indicator to move with said rod in one direction and for preventing movement of the line-indicator with the rod in the opposite direction.

13. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod, adjustable means for supporting said rod at its lower end, a lever fulcrumed upon said support and having its inner end engaging said support, means to reciprocate the rod, a line-indicator supported by said rod, and means for causing the line-indicator to move with said rod in one direction, and for preventing movement of the line-indicator with the rod in the opposite direction.

14. In a line-indicator for copy-holders, the combination with a suitable support, of a reciprocating rod having its lower end turned up, means carried by said upturned portion
 5 for supporting the rod, a lever fulcrumed upon said support and having its inner end engaging said supporting means, a line-indicator supported by said rod, and means to
 10 cause said line-indicator to move with said rod in one direction and for preventing movement of the line-indicator with the rod in the opposite direction.

15. In a line-indicator for copy-holders, the combination with a suitable support, of a
 15 reciprocating rod having its lower end turned up, means upon said upturned portion for supporting the rod, a lever fulcrumed on said support and having its inner end engaging said supporting means to reciprocate the rod,
 20 a line-indicator frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same to prevent the upward movement of said line-indicator when
 25 the rod is raised while permitting the downward movement of said line-indicator when the rod descends.

16. In a line-indicator for copy-holders, the combination with a suitable support, of a
 30 reciprocating rod, having its lower end upturned, a nut carried by said upturned portion for supporting the rod, a lever for reciprocating said rod and having a squared slot in which said nut is adapted to rest to prevent the same from turning, a line-indicator
 35 frictionally engaging said rod, a clutch adapted to slide upon said support and engage the same and prevent an upward movement of said line-indicator, when the rod is raised,
 40 while permitting a downward movement of said line-indicator when the rod descends.

17. In a line-indicator, the combination with a suitable support, of a reciprocating rod having its lower end upturned, means for

reciprocating said rod, a line-indicator operated by said rod, and means carried by the
 45 upturned portion of said rod for adjusting the movement of the same whereby the distance between the successive steps of the line-indicator may be adjusted.

18. In a line-indicator, the combination
 50 with a suitable support, of a reciprocating rod having its lower end upturned, means for reciprocating said rod, a line-indicator frictionally engaging said rod, a clutch adapted
 55 to slide upon said support and engage the same to prevent upward movement of said line-indicator when the rod is raised, while permitting a downward movement of said line-indicator when the rod descends, and means
 60 carried by said upturned portion of the rod for adjusting the movement of the same, whereby the distance between the successive steps of the line-indicator may be adjusted.

19. In a line-indicator, the combination
 65 with a suitable support, of a reciprocating rod having its lower end upturned, means for reciprocating said rod, a line-indicator frictionally engaging said rod, a clutch adapted
 70 to slide upon said support and engage the same to prevent upward movement of said line-indicator when the rod is raised, while permitting a downward movement of said line-indicator when the rod descends, and a
 75 nut carried by said upturned portion of the rod for supporting the rod and adjusting the movement thereof, whereby the distance between the successive steps of the line-indicator may be adjusted.

In witness whereof I have hereunto subscribed my name in the presence of two witnesses.

ARTHUR B. REID.

Witnesses:

M. R. ROCHFORD,
 W. P. HAHN.