

No. 760,910.

PATENTED MAY 24, 1904.

M. L. McALONEY.
COPY HOLDER.

APPLICATION FILED DEC. 24, 1903.

NO MODEL.

Fig. 1

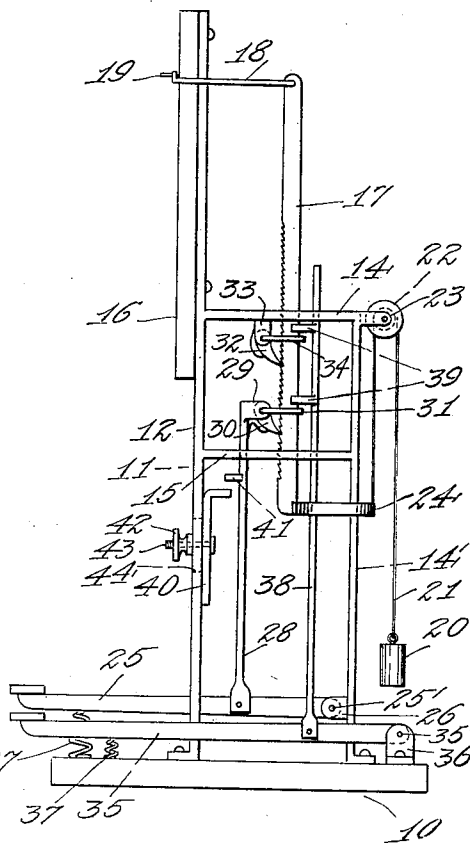
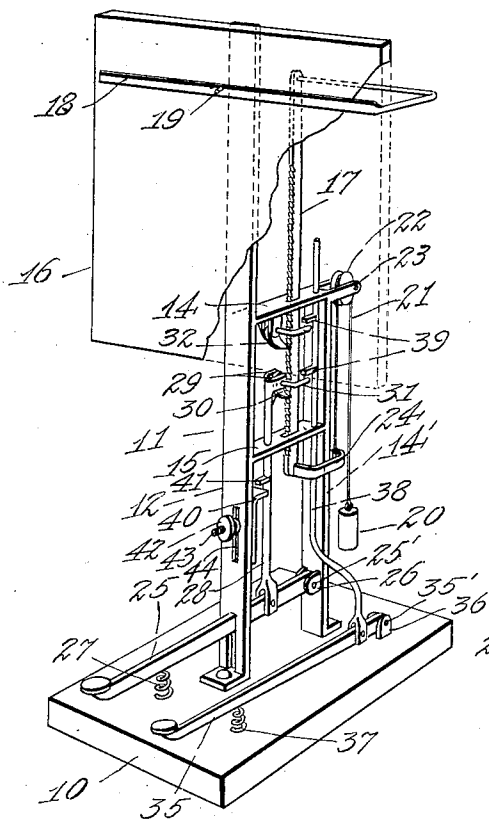


Fig. 2

WITNESSES:

Alva White
J. H. White

INVENTOR

Margaret L. McAloney

BY

Frank E. Adams

ATTORNEY

UNITED STATES PATENT OFFICE.

MARGARET LENORE McALONEY, OF SEATTLE, WASHINGTON.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 760,910, dated May 24, 1904.

Application filed December 24, 1903. Serial No. 186,513. (No model.)

To all whom it may concern:

Be it known that I, MARGARET LENORE McALONEY, a citizen of the United States of America, and a resident of the city of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Copy-Holders, of which the following is a specification.

My invention relates to improvements in copy-holders, and has special reference to a device of this class embodying means for indicating successively the lines of the copy.

Among numerous objects attained by this invention and readily understood from the following specification and accompanying drawings, included as a part thereof, is the production of a simplified and inexpensive device for indicating successively the lines of a copy and which embodies essential features of adaptability, utility, and general efficiency.

The above-mentioned and other objects equally as desirable are attained by the constructions, combinations, and arrangements of parts as disclosed on the drawings, set forth in this specification, and succinctly pointed out in the appended claims.

With reference to the drawings filed herewith and bearing like reference characters for corresponding parts throughout, Figure 1 is a view in perspective of the device shown with a portion of the copy-plate broken away, and Fig. 2 is a side elevation of the device.

This invention includes a frame of suitable construction to support the several parts and which as now considered comprises a base-plate 10 and a standard 11, composed of opposite posts, as 12 and 14', of unequal length and an upper and a lower cross-piece, (marked, respectively, 14 and 15.) To the longer post 12 is secured a suitable copy-plate 16, upon which the copy is fastened in any desired manner, as by removable paper-clips or rubber bands stretched about the plate, and rearwardly of this plate is a vertically-movable carrier for the liner and which consists of a bar 17 of considerable length, having closely-associated teeth on one side edge and slidably mounted for longitudinal movement in suitable apertures formed in the cross-pieces 14

and 15. Mounted on the upper end of this carrier is the liner 18, consisting of a horizontal bar having one end portion bent to substantially U shape, so as to embrace the copy-plate 16, and this bar is secured at the end of the short stem to the carrier in any suitable manner, so that the longer stem will lie across the face of said plate and act as a liner in reading the copy. Attached to the liner 18 is a suitable marker consisting of a section of ordinary lead-pencil, as 19, which is engaged in a suitable aperture formed in the liner substantially midway its length, so that the point of the pencil will serve to mark the copy as the liner moves, and thereby make a mark across the lines over which the liner passes.

The carrier 17 is yieldingly retracted or raised by means of a weight 20, attached to the free end of a cord or the like 21, which passes over an idler 22, consisting of a grooved pulley rotatably mounted on a suitable axle supported by opposite lugs 23, which are arranged on the rear side surface of post 14' at the upper end, and this cord is secured to a rearwardly-extending arm 24, connected with the lower end of the carrier and suitably bent to embrace the post 14'.

Reference-numeral 25 indicates an operating-lever which is related to the carrier, and this lever is fulcrumed at the rear end on a suitable pin 25', supported by lugs 26, attached to post 14' adjacent its base, and the lever extends through a suitable slot in the post 12 and is retracted by a suitable open-coil spring 27, arranged between base 10 and the forward end of the lever. Pivotaly connected with this lever is a vertically-disposed rod 28, which fits slidably in a suitable aperture formed in cross-piece 15 and is provided with opposite laterally-projecting lugs 29 at the upper end having corresponding apertures. Between these lugs is a spring-pressed pawl 30, which is arranged to engage the teeth on the carrier as the operating-lever is depressed, and this pawl is fixedly mounted on a suitable pin fitting in the apertures in said lugs and having one end portion bent laterally to form a trip-arm, as 31.

Mounted on cross-piece 14 is a spring-

pressed stop-pawl 32, which is arranged to engage with the teeth on the carrier and secure same from being retracted as the operating-lever is returning after each depression. This pawl is fixedly mounted on a suitable pin which fits in corresponding aperture provided in lugs 33, arranged on cross-piece 14, and one end portion of this pin is bent laterally to form a trip-arm, as 34.

Related to the pawls 30 and 32 is a trip-lever 35, which is fulcrumed at one end on a suitable pin 35', supported on lugs 36, arranged on base 10, adjacent post 14', and this lever is retracted by a suitable open-coil spring 37, arranged between said base and the forward end of the lever. Pivottally connected with this lever is a vertically-disposed rod 38, which fits slidably in suitable apertures formed in the cross-pieces of the frame, and on this rod are laterally-projecting trip-lugs 39, which are arranged to strike the trip-arms of the pawls 30 and 32 as the trip-lever is depressed, and thereby throw the pawls clear of the teeth on the carrier, when the retracting-weight will act to raise the carrier.

To conveniently limit the movement of the operating-lever, I have provided vertically-adjustable stop 40, consisting of an L-shaped piece slidably mounted on the rear side of post 12, with the foot part extending inwardly, and on rod 28 is a strike-lug 41, arranged to contact with said foot part as the rod moves downwardly. This stop 40 is conveniently secured in adjusted position by means of a thumb-nut 42, which engages with the outer end of a screw-threaded stud 43, mounted on the stop and projecting through a vertically-elongated slot 44, formed in post 12. By moving this stop up or down the length of the movement of the operating-lever can be regulated to advance the carrier the space of one or more of the teeth thereon at each depression of said lever and the space the liner will move at each step thereby regulated in conformity with the spacing of the lines on the copy.

The operation of the device will be readily understood, as when desired to advance the liner the operating-lever is depressed until the strike-lug on rod 28 engages stop 40, thus causing pawl 30 to advance the carrier and liner one step, when the stop-pawl 32 will engage with the teeth on the carrier as the operating-lever is retracted by spring 27. When desired to return the liner to the top of the copy-plate, the trip-lever is depressed to bring the trip-lugs thereon into engagement with the trip-arms on the pawls, and thereby throws the pawl out of engagement with the teeth on the carrier, when the retracting-weight will act to raise the carrier.

This device is simple and inexpensive of construction, has few parts likely to get out of order, and, furthermore, the parts thereof are compactly arranged.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States of America, is—

1. In a copy-holder, the combination with a frame, and a vertically-disposed copy-plate, of a vertically-movable toothed bar, a liner attached thereto, yielding means for retracting said bar, an operating-lever, a pawl connected with said lever and arranged to engage with the teeth on said bar, a stop-pawl, and means to trip said pawls.

2. In a copy-holder, the combination with a frame, and a vertically-disposed copy-plate, of a vertically-movable toothed bar, a liner attached thereto, a retracting-weight connected with said bar, an operating-lever, a spring-pressed pawl connected with said lever and arranged to engage with the teeth on said bar, a stop-pawl, and means to trip said pawls.

3. In a copy-holder, the combination with a frame, and a vertically-disposed copy-plate, of a vertically-movable toothed bar, a liner attached thereto, a retracting-weight connected with said bar, an operating-lever, a spring-pressed pawl connected with said lever and arranged to engage with the teeth on said bar, a stop-pawl, a trip-lever, and trips for said pawls connected with the trip-lever.

4. In a copy-holder, the combination with a frame, and a vertically-disposed copy-plate, of a vertically-movable toothed bar, a liner attached thereto, a retracting-weight connected with said bar, an operating-lever, a vertically-disposed rod connected with said lever, a spring-pressed pawl pivottally supported on said rod and arranged to engage with the teeth on said bar and having a trip-arm, a spring-pressed stop-pawl having a trip-arm, a trip-lever, a vertically-disposed rod connected with the trip-lever and having trip-lugs related to said trip-arms.

5. In a copy-holder, the combination with a frame, and a vertically-disposed copy-plate, of a vertically-movable toothed bar, a liner attached thereto, a retracting-weight, an idler, a cord passing over said idler and connected with said bar and weight, a spring-retracted operating-lever, a vertically-disposed rod connected with said lever, a spring-pressed pawl pivottally supported on said rod and arranged to engage with the teeth on said bar and having a trip-arm, a spring-pressed stop-pawl having a trip-arm, a spring-retracted trip-lever, a vertically-disposed rod connected with the trip-lever and having trip-lugs related to said trip-arms, and adjustable means for limiting the advance movement of the operating-lever.

6. A copy-holder comprising a frame consisting of a base-plate, opposite posts and upper and lower cross-pieces, a copy-plate attached to one of said posts, a vertically-movable toothed bar slidably mounted on said cross-pieces, a liner attached to said bar, a retracting-weight, an idler, a cord passing over

said idler and connected with said bar and weight, a spring-retracted operating-lever, a vertically-disposed rod pivotally connected with said lever, a spring-pressed pawl pivotally supported on said rod and adapted to engage with the teeth on said bar and having a trip-arm, a spring-pressed stop-pawl having a trip-arm, a spring-retracted trip-lever, a vertically-disposed rod pivotally connected

with the trip-lever and having trip-lugs related to said trip-arms, and adjustable means for limiting the movement of said operating-lever.

Signed at Seattle, Washington, this 7th day of December, 1903.

MARGARET LENORE McALONEY.

Witnesses:

D. E. FREDERICK,

H. S. NETTLETON.