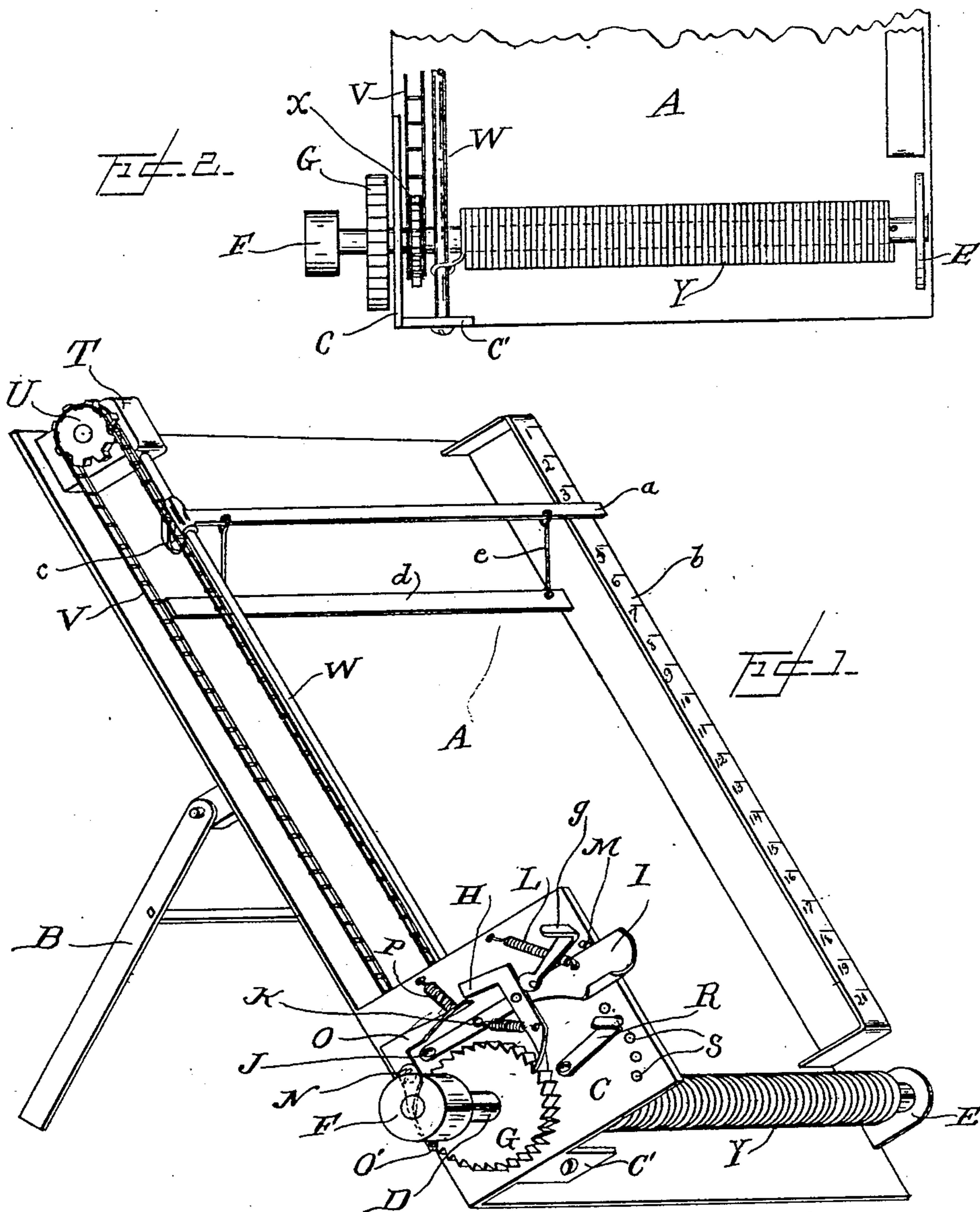


No. 832,209.

PATENTED OCT. 2, 1906.

A. PRATT.
COPY HOLDER.

APPLICATION FILED SEPT. 19, 1903.



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UNITED STATES PATENT OFFICE.

ALEXANDER PRATT, OF SANTA BARBARA, CALIFORNIA.

COPY-HOLDER.

No. 832,209.

Specification of Letters Patent.

Patented Oct. 2, 1906.

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To all whom it may concern:

Be it known that I, ALEXANDER PRATT, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara, State of California, have invented new and useful Improvements in Copy-Holders, of which the following is a specification.

My invention relates to a copy-holder adapted for all kinds of work; and the objects thereof are to produce a device that will hold equally well a single sheet of paper or a large number of sheets of paper or a stenographer's book and will have convenient means to indicate on the page being copied the particular portion thereof which from time to time is being copied and which will permit of the insertion therein or removal therefrom of the work being copied with a minimum movement of parts. I accomplish these objects by the copy-holder described herein and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my copy-holder. Fig. 2 is a plan of a part of the lower end, which is not clearly shown in Fig. 1.

In the drawings, A is the base of the copy-holder, on the back of which are pivotally attached the legs B to hold the body at any desired angle of elevation. At the lower end of the base, which is preferably of sheet metal, is an extension C, which projects at right angles to the base. This extension is on the left-hand side of the base and is preferably an integral part thereof and provides a bearing for one end of rod D. The other end of rod D is rotatively mounted in bearing E, affixed to the other side of the base. Rod D is provided with thumb-piece F, by means of which the rod may be rotated when desired. On rod D on the outer side of the extension C is rigidly affixed ratchet-wheel G, which is adapted to be engaged by pawl H, pivotally mounted upon the operating-lever I, which lever is pivotally secured at J to the extension C. A spring K, secured to the front end of the pawl and to the operating-lever, keeps the pawl in engagement with the ratchet-wheel when the pawl is in its operative position. A spring L, affixed to the operating-lever I and to the extension C, holds the operating-lever normally in contact with stop-pin M, affixed to the extension C. Pivotally secured to the extension at N is the detent-lever O, whose

front end O' bears against the ratchet G to prevent any backward movement thereof, and it is held in spring-pressed contact therewith by spring P, one end of which is secured to the extension and the other to the rear end of the detent. On the extension C is also pivoted a stop R, which is adapted to engage with one of the holes S in the extension to limit the downward movement of the operating-lever I. On the upper end of the base is a bearing to which is mounted a sprocket-wheel U, which carries sprocket-chain V, which chain also passes around a like sprocket X, rigidly mounted on rod D on the inner side of the extension C. Bearing T also secures one end of guide-rod W, the other end of which is secured to lug C', affixed to extension C, and preferably an integral part thereof. On rod D is mounted the coil-spring Y, one end of which is rigidly secured to said rod, and the other end is secured to guide-rod W. On guide-rod W is slidably mounted the index-pointer a, the free end of which slides along scale b, which scale is secured to the base. This index-pointer is rotatable upon the guide-rod and is provided with a hook c, the free end of which is adapted to pass into a link of chain V when the free end of the pointer is resting upon the scale, and thereby cause the movement of the pointer as the chain moves and hold it stationary when the chain is stationary. When the free end of the pointer is moved upwardly, the end of this hook is removed from the links of the chain, and the pointer can be moved up and down on the rod irrespective of the movement of the chain. The pointer carries an auxiliary pointing-strip d, which is attached thereto by links e to more conveniently indicate upon the work being copied the part which is being copied when such work consists of one or a small number of sheets of paper.

In the operation of my copy-holder the index-pointer is rotated upon the guide-rod, so as to permit of the insertion of the matter to be copied upon the base of the holder, and the pointer is then returned to a position with its free end resting upon the index-scale, and if the part first to be copied is at the top of the page the index-pointer will be at the top of the holder. As soon as a line of the matter is copied the operator strikes the

operating-lever I with his finger and moves it down until it contacts with stop R, thereby through pawl H rotating rod D and causing the movement of chain V to carry the index-
 5 pointer downwardly the distance of the space between the lines of the matter being copied, the movement of the operating-lever being regulated by the stop R to the required distance. As each line is copied the operation
 10 is repeated until the bottom of the page is reached, when that page is either thrown back out of the road or is removed from the holder. The upper end of eccentric lever g, which lever is pivotally secured to extension
 15 C, is then moved downwardly and the eccentric face thereof engages pawl H and moves the rear end thereof so that it engages and moves detent-lever O to disengage the front end of said lever O from engagement with
 20 ratchet G, and at the same time the front end of pawl H is disengaged from ratchet G, whereupon spring Y rotates rod D in the reverse direction to which it was before rotated and through connecting mechanism
 25 carries the index-pointer a back to the top of the copy-holder. The eccentric lever is then released, which permits the pawl-and-detent lever to again engage the ratchet G, and the index-pointer a can then be operated line by
 30 line until it reaches the bottom of the page. The spring Y is so connected to rod D that as the same is rotated by the operation of pawl H the spring is wound more tightly by each movement of the operating-lever I until the
 35 index-pointer a reaches the bottom of the copy-holder. It will be seen that this spring is connected to rod D, so that by throwing the index-pointer out of engagement with chain V and moving the chain it will wind or
 40 unwind the spring and any desired tension may be given to the spring. As the spring is only required to draw the index-pointer from the bottom to the top of the copy-holder, a very light spring may be used. The work
 45 which is being copied may be secured to the base by a clip, (not shown,) placed over the work and resting on the back of the base either at the end or the side thereof, or it may be secured in any other suitable manner.
 50 Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a device of the character herein described, a support for the copy; bearings secured to the lower end of said support; a shaft mounted in said bearings; a spring coiled around said shaft having one end secured thereto and the other end secured to one of said bearings; an endless carrier;
 55 means secured to said shaft to drive said carrier; a line-marker adjustably secured to said carrier; means operatable by hand to wind and hold wound said spring, said means

also at the same time causing the travel of the carrier to bring the marker from the top
 65 to the bottom of the support; and means to release said holding means.

2. In a copy-holder a spring-operated rod rotatively mounted therein and having thereon a sprocket-wheel and a ratchet-wheel,
 70 said rod being mounted near the bottom of the holder; a sprocket-chain on said sprocket-wheel; a second wheel at the other end of said chain secured to the base of said holder; a guide-rod adjacent to said chain; an index-
 75 pointer on said guide-rod in contact with said chain and adapted to be moved thereby; means to operate said ratchet-wheel step by step to cause the movement of the index-
 80 pointer from the upper end to the lower end of said frame; and means to release the ratchet-wheel when desired.

3. In a device of the character herein described, an inclined support for the copy; an endless carrier vertically mounted upon and
 85 at one side of said support and longitudinally movable thereover; a line-marker adjustably secured to the top side of said carrier; means operatable by hand to cause the travel of said carrier to carry said marker
 90 from the top to the bottom of said support; and a spring operatively connected to the means causing the travel of said carrier whereby said carrier may be caused by said spring to travel and carry said marker from the bot-
 95 tom to the top of said support.

4. A copy-holder comprising a base having an extension secured thereto near the lower left-hand side thereof and projecting at right
 100 angles thereto and a bearing on the other side thereof; a rod rotatively mounted in said extension and bearing and having a ratchet-wheel and sprocket-wheel rigidly secured thereon; a bearing at the upper end of said base having a sprocket-wheel rotatively
 105 mounted thereon; a sprocket-chain on said sprocket-wheels; a guide-rod adjacent to said chain; an index-pointer slidably mounted on said guide-rod and adapted to engage with said chain; a spring on the rod carrying
 110 the ratchet-wheel adapted to operate said rod in one direction; an operating-lever pivotally secured to said extension; a stop-pin secured to said extension; a spring secured to said extension and to said operating-lever,
 115 said spring being adapted to keep said operating-lever spring pressed against said stop-pin; a pawl pivotally secured to said operating-lever; a spring secured to said pawl and said lever; a detent-lever pivotally secured to
 120 said extension; a spring secured to said detent-lever and to said extension and adapted to keep the front end of the detent-lever in engagement with the ratchet-wheel; an eccentric lever pivoted to said operating-lever,
 125 said eccentric lever being adapted to throw

said pawl out of engagement with the ratchet-wheel and into engagement with the detent-lever to cause its release from the ratchet-wheel; a stop secured to said extension
5 adapted to limit the downward movement of said operating-lever; an auxiliary pointer secured to the index-pointer.

In witness that I claim the foregoing I have hereunto subscribed my name this 12th day of September, 1903.

ALEXANDER PRATT.

Witnesses:

G. E. HARPHAM,
G. E. WINTON.

