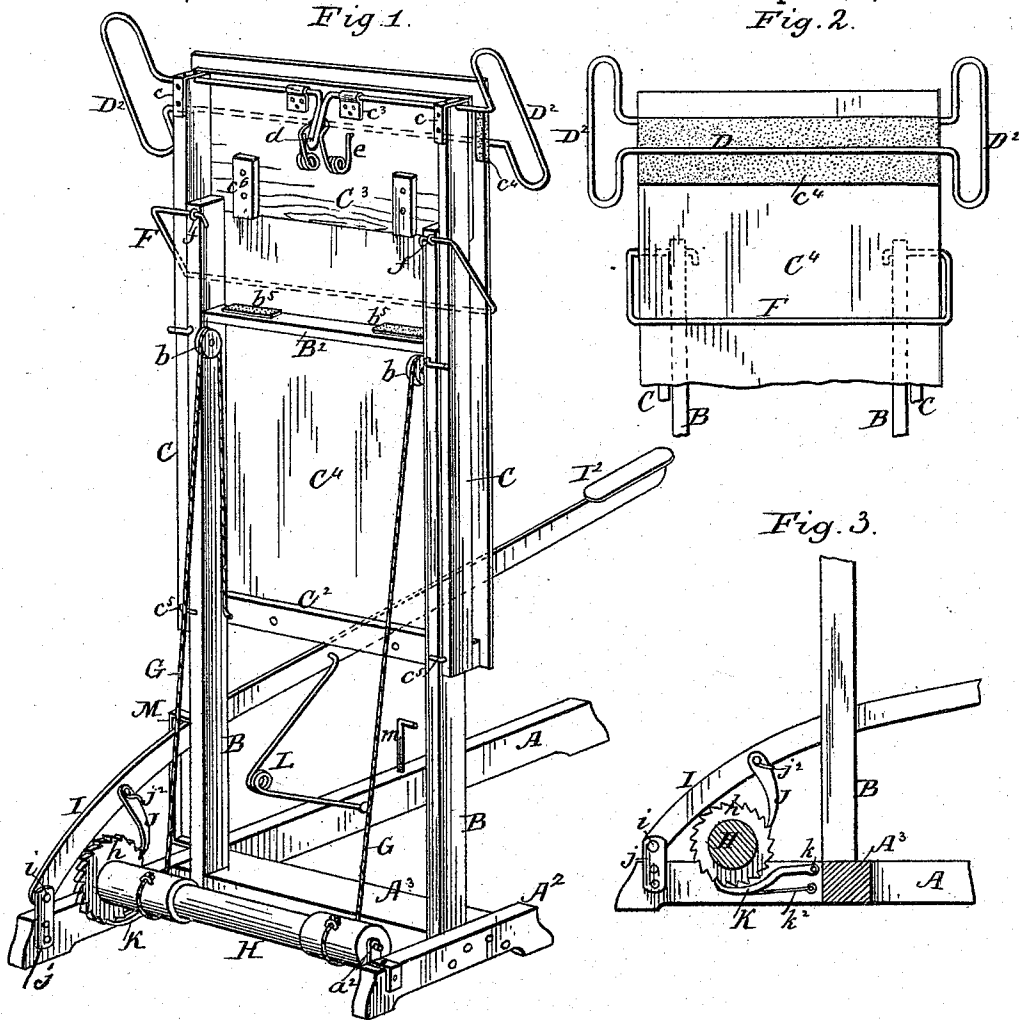


(No Model.)

C. C. WHEELER
COPY HOLDER.

No. 537,952.

Patented Apr. 23, 1895.



WITNESSES

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UNITED STATES PATENT OFFICE.

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COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 537,952, dated April 23, 1895.

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To all whom it may concern:

Be it known that I, CLAUD C. WHEELER, a citizen of the United States, residing at Fairmont, in the county of Marion, State of West Virginia, have invented certain new and useful Improvements in Copy-Holders, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to copy-holders of that class generally used by type-writer copyists, in which an upright paper-support or carrier, to which the copy is clamped, is adapted to be placed behind a type-writer, and said carrier is moved upwardly line after line by means of a lever handle projecting toward and within reach of the operator; and the object of my improvement is to provide a simple and inexpensive copy-holder in which both edges of the paper carrier are uniformly elevated by cords passing over pulleys and wound upon the same drum, the latter carrying a ratchet wheel to receive the pawl carried by the operating lever. I attain this object by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a rear perspective view of a copy-holder constructed in accordance with my invention. Fig. 2 is a front view of the upper portion of the paper-carrier and its copy-holding clip, and also the stationary line-marker and a portion of its supporting frame. Fig. 3 is a transverse vertical section of the lower portion of the frame and of the cord winding-drum carrying a ratchet wheel, with the rear end of the operating lever and its pawl.

In said drawings, A represents the longest of the base-supports and A² the shortest one. They are united together by a horizontal cleat A³ into which are mortised or otherwise suitably secured the lower ends of two parallel standards B, that are united together adjacent to their upper ends by a narrow cleat B². Said standards constitute the guide-rails for the rear and sides of the paper carrier. The frame of said carrier consists of two parallel rails C secured together at the bottom by a narrow horizontal cleat C², and at the top by a wider cleat or thin board C³. Said cleats C² C³ are secured to the front edges of the

rails C and retain the latter at such distance apart as to substantially fit against the outer side of the standards B without clasping them tightly. Pins c⁵ inserted horizontally into the rails C, and bent laterally to overlap the standards unite them at the rear.

To the front face of the cleats C² C³ is secured a sheet of pasteboard or of thin metal C⁴, that constitutes the back support for the sheets of paper copy. To retain said "copy" with sufficient frictional contact, a strip of fine sand paper, emery cloth, or felt c⁴ is cemented upon the upper portion of the face of the support C⁴, and a wire clip D is made to rest with sufficient pressure upon the upper portion of the copy in front of the felt c⁴.

The clip D consists of a wire bent upon itself and having its ends bent at right angles, as a crank, and soldered together in a parallel position to constitute a lever d in the rear of the cleat C³. The horizontal rear portion of the wire of the clip D is retained in bearings formed in the upper ends of the parallel rails C of the carrier, under cap-plates c secured to said ends, and also in bearings c³ secured to the rear of the cleat C³ on each side of the lever-portion d of the clip. Said lever-portion d is normally forced away from the back of the cleat C³ by a wire spring e bent in the middle of its length to form a fork to receive the lever-portion d and having its ends inserted into the back of the cleat C³, coils being preferably formed upon the wire of the spring e between its forked portion and its ends to add to its resilience. The doubling over bends formed upon the wire of the clip are enlarged to constitute handles D² by which the lever-portion d of the clip can be depressed upon its spring and the paper clamping front portion of the wire of the clip, lifted from the paper.

To the upper ends of the standards B, the line-marker F is hinged. It consists of a rectangular bail of wire having its ends retained loosely by staples f secured to said standards. Said line-marker embraces loosely the copy support C⁴, (and the "copy" if there is any placed thereon,) and by gravity bears upon said copy-support or copy.

To elevate the paper carrier line after line of the "copy" a grooved pulley b is pivoted to

the inner face of each standard B under their connecting cleats B², and over each pulley is made to pass a cord G one end of which is secured to the lower cleat C² of the paper-carrier, and the opposite end is secured to a drum H in the rear of the feet of the standards. Said drum carries at one end a ratchet wheel *h* and has its journals received in bearings *a*² (only one of which is shown) secured to the base-supports A and A². To permit the operator to rotate the drum from the front of the machine, a hand lever I is pivoted to the rear end of the base-support A by means of a bolt or pin *i* retained by a small standard *j* secured to said support A. The lever I has pivoted thereto and suspended therefrom, a pawl J the point of which is retained normally in engagement with the teeth of the ratchet wheel *h* by a spring *j*² pressing upon the back of the pawl, and also on account of its position pendent over the ratchet wheel. Said ratchet wheel has also in engagement with its teeth, the point of a retaining pawl K pivoted at *k* to the inner side of the base support A. A spring *k*² pressing against the under side of the pawl K forces it upward in engagement with the ratchet wheel until the paper-carrier has reached the upper end of its course, or the last line of the "copy" has passed under the line-marker F and the operator desires to lower again the paper-carrier to begin the copy of a new page, and he presses down the handle I² of the lever I to its fullest extent. By such action the pawl J presses upon the pawl K and releases the latter also from engagement with the ratchet wheel. The paper carrier immediately descends by gravity and unwinds the coils of the elevating cords G from the drum.

The lever I is normally pressed upward by a spring L having one end secured to said lever and the other end to the base-support A. The ascension of the lever I is arrested by the top of a bridle M through which it passes loosely. Said bridle is secured to the outer face of one of the standards B near its bottom. To regulate the amount of ascension given to the "copy" to correspond to the space between its lines, the amount of depression of the lever I is regulated by a key *m* inserted vertically in the top of the base support A. Said key consists of a small rod having its lower end screw-threaded and received in a screw-tapped perforation in the top of the base support, in which it is consequently ad-

justable. The upper end of the key *m* is bent at right angles with its body and constitutes not only a handle therefor, but also a stop for the lever I when turned in the position shown in Fig. 1; but when said key *m* is rotated a half revolution, as when the bottom line of the "copy" has reached the line marker F, the operator then depresses the lever I, until its pawl J strikes the pawl K and releases it (as well as the pawl J) from engagement with the ratchet wheel *h* of the drum, and the paper carrier drops to the bottom of its course, with the projections *c*⁶ on the back of the cleat C³, resting upon the pads *b*⁵ of the cleat B². The key *m* is then turned by the operator to its normal position and the operation is repeated for a new sheet of "copy."

Having now fully described my invention, I claim—

1. In a copy-holder the combination of the two base-supports thereof, a drum journaled thereto, and a ratchet wheel upon said drum, two standards and pulleys pivoted to said standards, with a paper carrier vertically guided by the two standards, cords having one end secured to said carrier, passed over the pulleys, and their opposite ends secured to the drum, and a pivoted lever carrying a pawl substantially as described.

2. In a copy holder the combination of a drum, two standards, pulleys pivoted thereto, a paper-carrier having two side rails and guided by the two standards, cords having one end secured to the paper carrier and the other end to the drum and their intermediate portion guided by the standards' pulleys, with a line-marker having its ends pivoted to the standards substantially as described.

3. In a copy holder the combination of a drum, two standards, pulleys pivoted thereto, a paper carrier having two side-rails and guided by the two standards, cords having one end secured to the paper carrier and the other end to the drum, a ratchet wheel upon said drum, a pivoted hand-lever having a pawl J, a retaining pawl K in the path of the pawl J, and a key *m* having one end screwed into the base support substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

CLAUD C. WHEELER.

Witnesses:

W. E. ARNETT,
H. M. WATKINS.