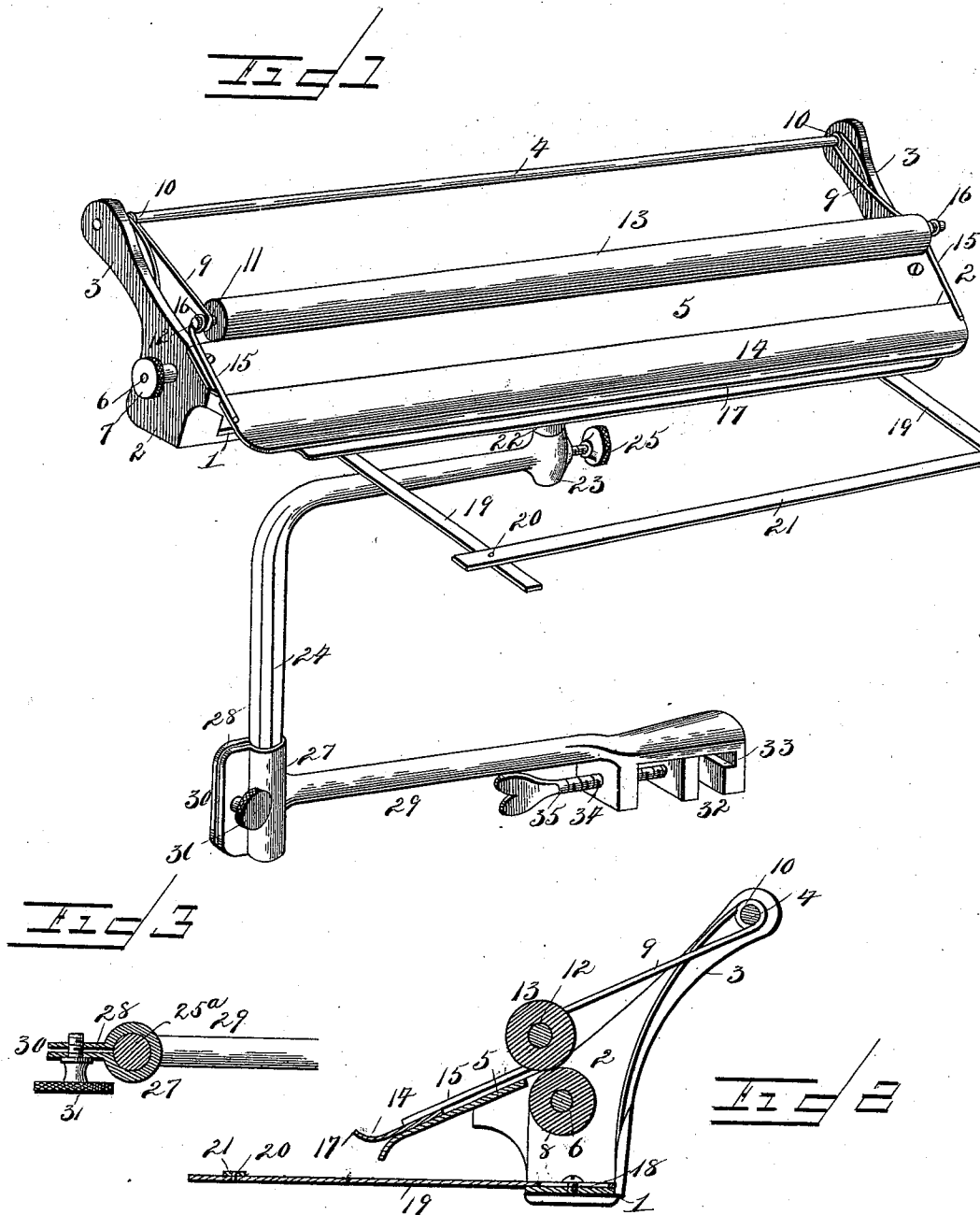


(No Model.)

D. M. KIRKPATRICK.
COPY HOLDER.

No. 511,530.

Patented Dec. 26, 1893.



Inventor:
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Witnesses

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UNITED STATES PATENT OFFICE.

DAVID MARION KIRKPATRICK, OF KANSAS CITY, MISSOURI.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 511,530, dated December 26, 1893.

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To all whom it may concern:

Be it known that I, DAVID MARION KIRKPATRICK, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Copy-Holder, of which the following is a specification.

My invention relates to improvements in copy-holders, the objects in view being to produce a cheap and simple device, the same being so constructed as to be applied to convenient parts of the typewriter-frame, and to be adjusted laterally in any direction or to any degree necessary to conveniently present the copy to the view of the operator; to arrange for a convenient support and line-indication of the copy; for a ready introduction of the same to the holder; and to adapt it also to support books convenient to the operator when it is desired to copy from the same.

Other objects and advantages of the invention will appear in the following description and the novel features thereof will be particularly pointed out in the claims.

Referring to the drawings:—Figure 1 is a perspective view of a copy-holder embodying my invention, the book-rest being extended as for use. Fig. 2 is a vertical transverse sectional view of the holder. Fig. 3 is a sectional view through the joint between the supporting or bracket-arm and the standard.

Like numerals of reference indicate like parts in all the figures of the drawings.

The base-bar 1 of the device is of any suitable length and width, and embracing the opposite ends of the brace-bar are the two end standards 2, which standards have their inner faces recessed to receive the ends of the base-bar, and are held in position thereto by means of screws passed through the base-bar and standards. The standards are provided at their upper rear sides with upwardly inclined arms 3, and the same are connected near their ends or extremities by a longitudinally disposed tie-rod 4. To the upper sides of the standards 2 and let into recesses provided for the purpose is the longitudinally disposed table 5 whose outer or front end is slightly downwardly curved, screws passing through the said table at its ends and into correspond-

ing openings formed in the upper sides of the standards.

Immediately in rear of the longitudinally disposed table 5 and slightly below the same, the standards are provided with suitable bearings, in which is journaled the longitudinal feed-shaft 6, whose ends project beyond the bearings and are provided with milled nuts 7, by which said shaft may be conveniently rotated. The shaft is provided with a rubber friction-roll 8, whose outer face or side is about in line with the upper surface of the table. A pair of V-shaped springs 9 are coiled at their angles as at 10 upon the tie-rod 4 adjacent to the arms 3. The lower terminals of the springs 9 are secured to the inner sides of the standards 2, and the terminals are bent to form bearing-eyes 11 in which take the ends of the longitudinal shaft 12 arranged immediately above the shaft 6 and carrying a friction-roll 13 designed to revolve in contact with the surface of the friction-roll 8 with which it is pressed into contact by means of the V-shaped springs and by which it is operatively connected with said roll 8.

A line-spacing strip 14 is provided at its ends with wire-arms 15, whose extremities are bent to form eyes 16, which are loosely pivoted upon the ends of the shaft 12. This strip may be swung forward upon the table 5 or rearward as may be desired. When forward upon the table it serves as a convenient line-indicator, the said strip being narrower than the table and therefore exhibiting the matter to be copied between the point of entrance between the anti-friction rollers and the upper edge of the line strip. It will be seen that the strip 14 may be swung rearward upon the frame thus constructed or downward upon the table, which latter position it occupies when in use. The outer or front end of the strip is upturned as at 17, which serves to combine with the downwardly turned edge of the table and form a flared mouth for the ready reception and guidance of the sheets of paper applied thereto.

Upon the upper side of the base-bar 1 there is pivoted as at 18 a pair of rest-bars 19, whose outer ends are connected pivotally as at 20 to a connecting bar 21. It will be seen that

the rest-bars, together with the connecting-bar, may be readily swung over and upon the base-bar 1, where the support is at the side, or they may be swung out as shown in Fig. 1 and thus serve as a means for supporting books from which copy is being made.

Upon the under side of the base-bar 1 there is formed in any suitable manner a depending cylindrical stud 22, whose lower end is swiveled in a vertically bored head 23 formed at the upper end of an inverted L-shaped standard 24. The upper end of this standard is provided with a threaded perforation in which is inserted a set-screw 25 having an outer milled head by which it may be readily manipulated by the operator. The inner end of the screw binds upon the stud, so that though the copy-holder proper is swiveled in position upon the standard, yet it will be obvious that its distance and location with relation to the operator or the machine upon which he is operating may be regulated and the holder held in position by said screw. The lower end of the standard 24 terminates in a reduced cylindrical tenon 25^a, and the same enters the half-round members 27 of a split head 28 formed at one end of a horizontal bracket arm 29. Beyond the members, the head is extended in the form of a pair of clamping-ears 30 said ears having aligning perforations threaded and adapted to receive a binding-screw 31 having an outer milled head whereby it may be readily manipulated.

The inner end of the bracket-arm 29 is provided with a recess 32 upon its under side which is adapted to fit over any suitable part of the frame of a typewriter machine but preferably over the side-bar of the key-board thereof, which as is well known, is provided with a rib at its inner upper side. For the accommodation of this rib and a convenient interlocking therewith of the bracket-arm the end of the recess 32 is provided with a transverse groove 33. The opposite end wall of the recess has a threaded opening 34 in which a clamping screw 35 is located, the inner end of said screw being connected loosely with a follower or clamping block 36 adapted to co-operate with the end wall of the recess, that is provided with the groove 33 for the purpose of clamping snugly upon the typewriter frame. After having been placed in position and made secure, it is obvious that the inverted L-shaped standard 24 may be adjusted so as to bring the copying frame or holder at a suitable distance from the eye and secured in this position; also that the copy-holder proper being swiveled may be turned so as to suit the operator and it also secured in position. The paper to be copied is introduced between the rolls 8 and 13, the line-spacer 14 being swung upward so as not to interfere with such introduction, and after said rolls have been rotated sufficiently to engage with the paper, the line-spacer is dropped to position upon the paper. The paper and line-spacer hav-

ing their outer ends curved or divergent will not interfere with the ready passage of the paper between the rolls, but in fact will facilitate the same, in that they act as guides to maintain the paper flatly upon the table and in position to be most readily observed. If at any time it should be desired to make extracts from volumes, pamphlets, &c., the rest-bars 19 are drawn outward from over the base-bar, and thus the copy-holder is increased in width to such an extent as will permit of the support of the volume.

I do not limit my invention to the precise details of construction herein shown and described, but hold that I may vary the same to any degree and extent within the knowledge of the skilled mechanic.

Having described my invention, what I claim is—

1. In a copy-holder, a bracket-arm adapted at one end to clamp a support and having its outer or opposite end split and provided with half-round recesses, a copy-holder supporting standard having a lower cylindrical end seated in the half-round recesses and clamped thereby, and a binding-screw passing through the split portions of the arm beyond the recesses, substantially as specified.

2. In a copy-holder, the combination with the clamping bracket-arm, the inverted L-shaped standard swiveled therein and provided at its upper end with a vertically bored head having a transverse threaded perforation, of a copy-holder having a stud upon its under side seated in the bore of said head, and a screw located therein and adapted to bind upon the stud, substantially as specified.

3. In a copy-holder, the combination with a lower base-bar, opposite standards, and copy-supporting devices arranged thereon, of a support for the holder, and an extensible book-support arranged and adapted to fold upon said base-bar, substantially as specified.

4. In a copy-holder, the combination with a base-bar, a support therefor, opposite standards, and copy-holding devices arranged thereon, of opposite rest-bars pivotally and slidably mounted at their inner ends upon the base-bar and adapted to fold thereover, and a connecting bar pivoted to the outer ends of said rest-bars, substantially as specified.

5. In a copy-holder, the combination with a lower base-bar, opposite standards having rearwardly projecting arms, and a connecting tie-rod, of a pair of rolls, the lower one of which is journaled in the standards, a pair of V-shaped springs secured to the tie-rod, the upper terminals of the springs ending in eyes receiving the shaft of the upper roll, and the lower terminals of said springs being made fast to the frame of the copy-holder, and a table located upon the standards in front of the rolls, substantially as specified.

6. In a copy-holder, the combination with a lower base-bar, opposite standards having

rearwardly projecting arms, and a connecting tie-rod, of a pair of rolls, the lower one of which is journaled in the standards, a pair of V-shaped springs secured to the tie-rod, the
5 upper terminals of the springs ending in eyes receiving the shaft of the upper roll and the lower terminals of said springs being made fast to the frame of the copy-holder, and a
10 table located upon the standards in front of the rolls, a line-spacing strip surmounting the table, and wire-arms extending rearwardly

from the spacing-strip and loosely connected to the ends of the shaft of the upper roll, substantially as specified.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in
the presence of two witnesses.

DAVID MARION KIRKPATRICK.

Witnesses:

C. T. SNOW,

J. WILL. KING.