

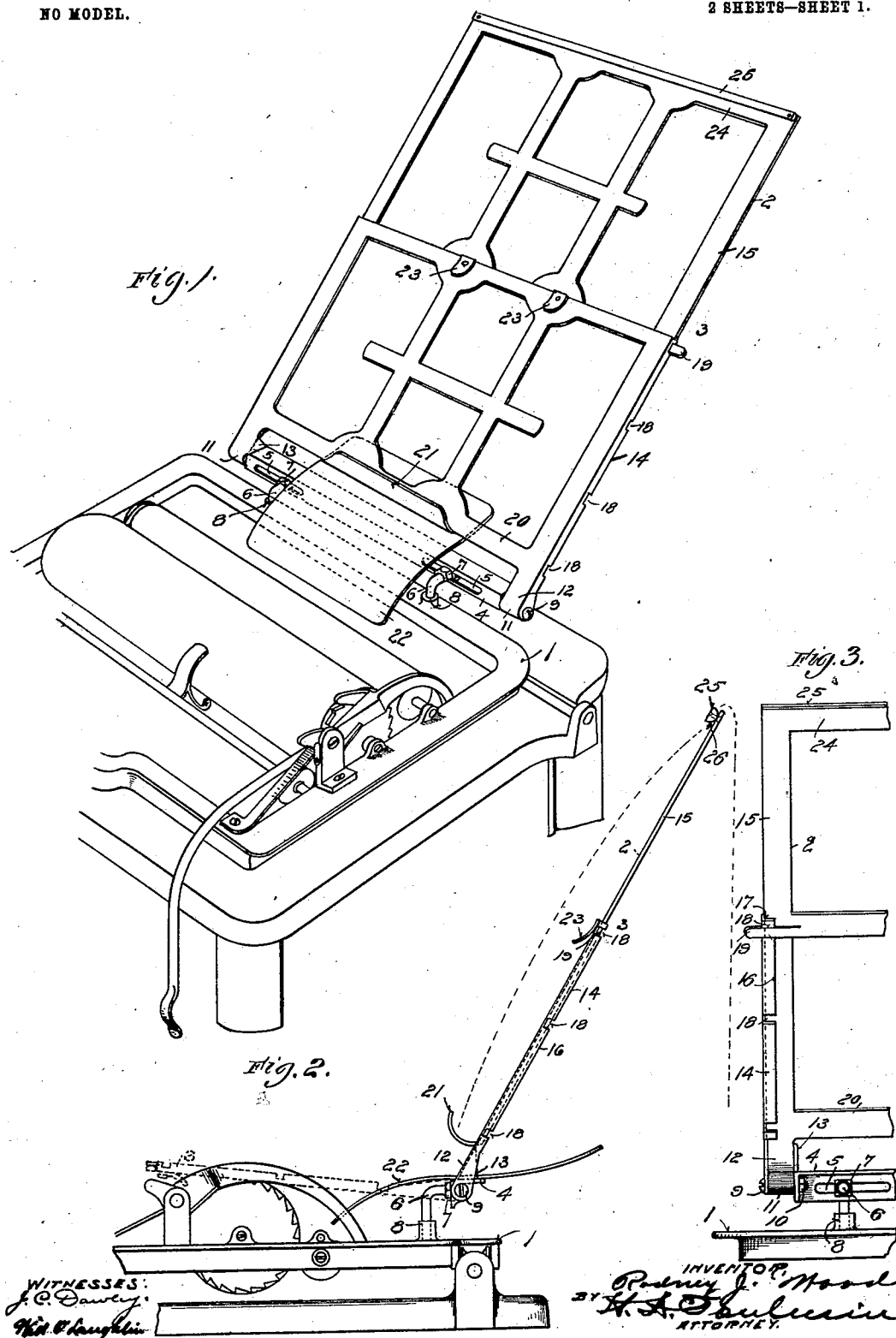
No. 728,646.

PATENTED MAY 19, 1903.

R. J. WOOD.
COPY HOLDER FOR TYPE WRITERS.
APPLICATION FILED DEC. 4, 1902.

NO MODEL.

2 SHEETS—SHEET 1.



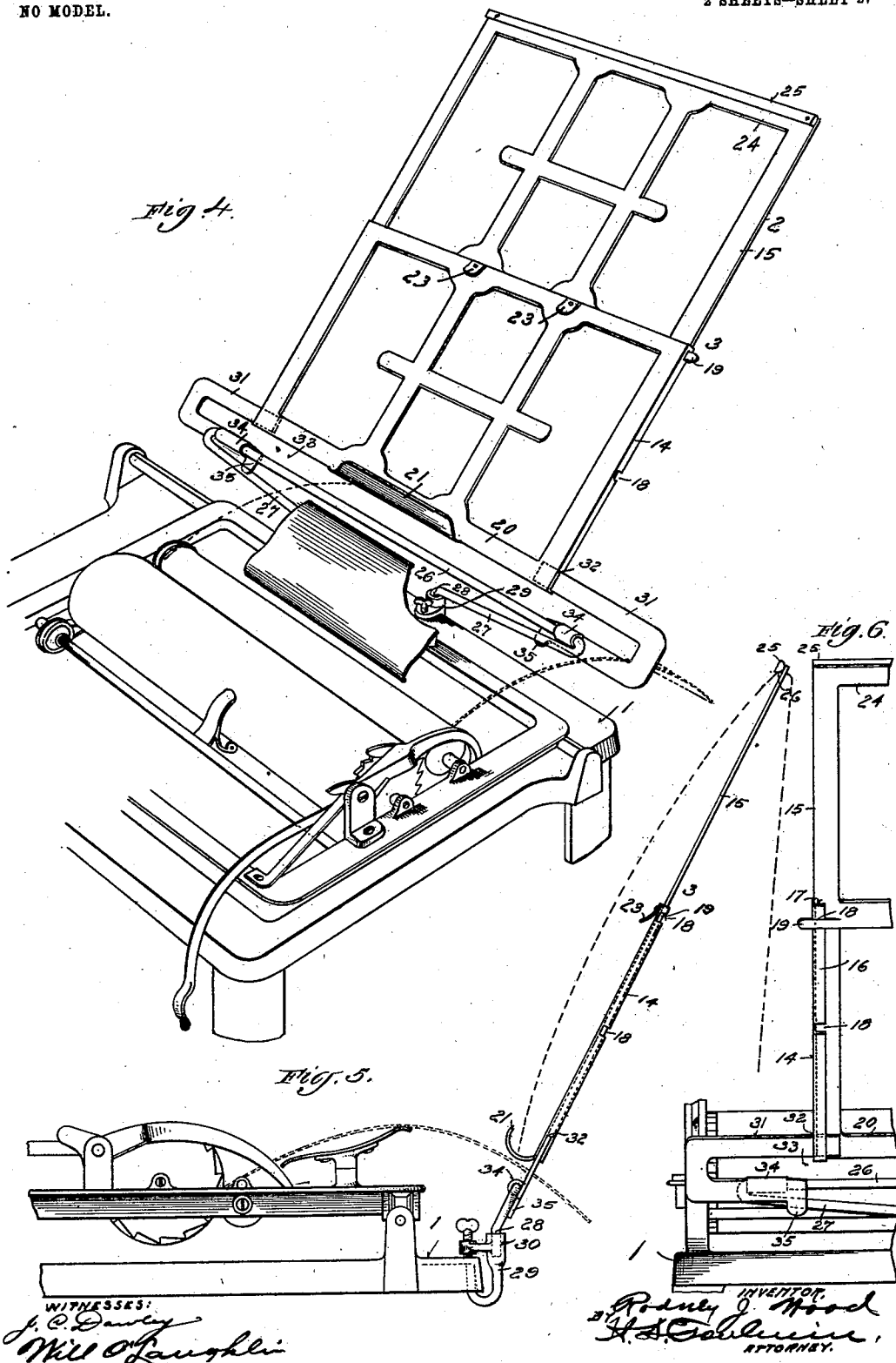
No. 728,646.

PATENTED MAY 19, 1903.

R. J. WOOD.
COPY HOLDER FOR TYPE WRITERS.
APPLICATION FILED DEC. 4, 1902.

NO MODEL.

2 SHEETS—SHEET 2.



UNITED STATES PATENT OFFICE.

RODNEY J. WOOD, OF DAYTON, OHIO, ASSIGNOR TO THE WOOD MANUFACTURING COMPANY, OF SPRINGFIELD, OHIO, A CORPORATION OF OHIO.

COPY-HOLDER FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 728,646, dated May 19, 1903.

Application filed December 4, 1902. Serial No. 133,814. (No model.)

To all whom it may concern:

Be it known that I, RODNEY J. WOOD, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Copy-Holders for Type-Writers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to copy-holders for type-writers, and has for its object to provide a simple and efficient copy-holder which is particularly devised with a view to folding compactly against the body of the machine, and is especially adapted for use where the machine is to be employed in connection with a cover—such, for instance, as the “roll-top” desk now in ordinary use.

To these ends the invention consists in certain novel features, which I will now proceed to describe and will then particularly point out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing my improved copy-holder applied to the carriage of a type-writer. Fig. 2 is a side elevation of the same. Fig. 3 is a detail rear elevation. Fig. 4 is a view similar to Fig. 1, showing the preferred form of my invention. Fig. 5 is a side elevation of what is shown in Fig. 4, and Fig. 6 is a detail rear elevation of the construction shown in Figs. 4 and 5.

Referring first to the structure as shown in Figs. 1, 2, and 3, in which I have illustrated my improved copy-holder as applied to the traveling carriage of a type-writer, 1 indicates said carriage, and 2 indicates the copy-holder as a whole. This consists of a copy-support 3 and a base 4, to which the copy-support is pivotally connected. The base 4 in its preferred form consists of an angle-bar having a horizontal and a vertical portion, the vertical portion being provided with longitudinal slots 5 to receive the connecting-pins 6, which are thus adjustably secured to the base. To this end the connecting-pins have a horizontal portion extending through the corresponding slot 5 and receiving clamping-nuts 7 on opposite sides of the base, so that the distance between the connecting-pins may be varied to adapt the base for connection with different machines.

I have in the present instance shown my copy-holder as applied to a well-known type of machine having in the rear cross-bar of the carriage 1 apertures 8, which are ordinarily employed to receive the connecting-pins of a guide-plate, over which the sheet which receives the impression travels. By removing this guide-plate and inserting the connecting-pins 6 the copy-holder may be readily connected with the carriage of the type-writer. Where the machine to which the copy-holder is applied is not already provided with suitable apertures, they may be formed in the carriage in order to receive the connecting-pins.

The copy-support is pivotally connected to the base, so as to adapt it to fold down flat on top of the machine, as indicated in dotted lines in Fig. 2, and the pivotal connection is preferably a detachable one, for the purposes hereinafter specified. To this end I employ as pivots screw-bolts 9, having detachable nuts 10, located at each end of the base 4, each screw-bolt passing through a suitable aperture in the end of the base and through a bearing-sleeve 11 on the lower end of a lug 12, formed at each lower corner of the copy-holder. The copy-holder is also provided with a stop-lug 13, formed, preferably, on each of the lugs 12 and adapted to bear on the upper flat surface of the base 4 when the copy-holder is inclined at the proper angle, so as to limit its rearward motion and hold it in the proper angular position to receive and present the copy.

The copy-holder is extensible, being composed of two relatively movable sections 14 and 15, the lateral edges of one section being grooved and the other section fitting within the ways formed by said grooves and sliding therein. For this purpose I prefer the construction shown, in which the lower section 14 is provided at each edge with inwardly-bent flanges 16, forming grooves 17, in which the edges of the upper section 15 fit and slide. In order to secure the two sections in the various positions to which they may be adjusted, a suitable locking device is employed, and I prefer for this purpose the construction shown, in which one of the flanges 16 is notched or cut away at intervals, as indicated

at 18, while the section 15 is provided with a spring-tongue 19, adapted to engage the notches 18 and projecting laterally beyond the body of the copy-support sufficiently to be readily reached from the front. By reason of this extensible feature the copy-support may be lengthened either to the extent shown in full lines in Figs. 1, 2, and 3 or to any intermediate extent when in use, and when it is desired to fold the copy-holder down upon the top of the machine the copy-support may be shortened, as indicated in dotted lines in Fig. 2, so as to prevent it from projecting beyond the front of the machine, and thus permit the machine to be covered by a closely-fitting cover or with the roll or curtain top of a desk without necessitating the removal of the copy-holder from the machine.

The copy-support is preferably constructed of sheet metal in the form of an open-work frame, as shown, to give suitable lightness, and the lower cross-bar 20 of the lower section 14 is provided with a supporting-ledge 21 to support the lower edge of the copy when necessary. This lower cross-bar is located a sufficient distance above the base to permit the impression-sheet to pass between the base and the copy-support, and the base is preferably provided with a guide-plate 22 to take the place of the guide-plate removed from the machine.

The lower section 14 of the copy-support is provided at its upper edge with clips 23, by means of which cards and similar devices may be secured to the copy-support, the lower free ends of these clips extending downward and outward, so as to clamp the card when it is inserted between them and the body of the support.

In front of the top cross-bar 24 of the upper section 15 of the copy-support I locate a clamping-bar 25, secured at its ends to the copy-support, but free from connection therewith between its ends. The cross-bar and clamping-rod, or either one of them, will be sufficiently yielding to permit the insertion between them of the article to be held thereby, usually the back of a stenographic note-book, and to facilitate the insertion thereof the under side of the clamping-bar 25 is rounded off, as indicated at 26 in Fig. 2. By this means the back of the note-book may be inserted between the copy-support and the clamping-bar 25, so as to hold the note-book firmly in position, while the leaves of the note-book as copied may be turned over the top of the copy-support, as indicated in dotted lines in Fig. 2.

In Figs. 4, 5, and 6 I have shown the preferred form of my device in which it is attached to the back of the machine, being connected with a stationary part instead of with the carriage. In this form of my invention the base, which is preferably constructed of wire bent to the desired shape, comprises a horizontal bar 26, forming the pivotal axis of

the copy-holder, and inclined portions 27, diverging from the cross-bar 26 downward and forward and terminating in connecting-pins 28. Clamps 29, adapted to be detachably connected to the rear upper edge of the frame 1, are provided with sockets 30, in which the connecting-fingers may be inserted. The copy-holder is constructed in the manner already described, so far as its body portion and attachments are concerned, but is provided with two extensible loops 31, sliding through apertures 32 in the body of the copy-holder, so that said loops may be drawn out, as shown in Fig. 4, so as to make the space 33 between the copy-holder and base of a length equal to the total length of travel of the carriage plus the length of the impression-roller, so that whatever the position of the carriage may be the impression-sheet as it comes from the roller may pass freely through the opening 33. These loops may also be slid toward each other and toward the body of the copy-support, so as to diminish the width of the copy-holder when folded. Each loop 31 is provided with a sleeve-bearing 34, fitting on the cross-bar 26 of the base, so as to turn and slide thereon, and each loop is further provided with a lug 35, which constitutes a stop-lug adapted to engage with the base to maintain the copy-support in operative position. It will be noted that the lugs 35 engage with the inclined portions 27 of the base when the loops 31 are pulled out to a sufficient extent or to their normal position when in use. When the loops are moved toward each other, the lugs 35 will clear the inclined portions 27 of the base, so that, if desired, the copy-support may be folded downward and rearward against the back of the machine. Of course it will be noted that the copy-support may be folded downward and forward over the top of the machine in the manner already described, and it will be further understood that it may be contracted or diminished in size in the manner already pointed out, so as to occupy a small space when thus folded down out of the way. It will further be noted that the particular form of holder shown in Figs. 4, 5, and 6 is adapted to be applied to the carriage by inserting the connecting-pins 28 in the apertures 8.

It is obvious that the details of construction hereinbefore described may be modified without departing from the principle of my invention. For instance, the particular form of base shown in Figs. 4, 5, and 6 may be modified, so far as the members 27 thereof are concerned, since if it is not desired to have the copy-support fold downward and backward no provision need be made for allowing the stop-lugs 33 to clear the members 27 when the loops are moved inward. Furthermore, other provision than the mere inclination in straight lines of these members 27 may be employed to permit the stop-lugs to clear the parts when the loops are moved inward. I therefore do not wish to be under-

stood as limiting myself strictly to the precise details of construction hereinbefore described, and shown in the accompanying drawings.

5 Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A copy-holder for type-writing machines, comprising a base adapted to be detachably
10 connected to the machine, and an extensible copy-support pivotally connected to said base, so as to fold downward and lie against the machine, substantially as described.

2. A copy-holder for type-writing machines,
15 comprising a base adapted to be detachably connected to the machine at or near the rear upper portion thereof, and an extensible copy-support pivotally connected to said base, so as to fold downward and lie against the machine, substantially as described.

3. A copy-holder for type-writing machines, comprising a base adapted to be detachably
20 connected to the machine, a copy-support having a free pivotal connection with said base, and stops to limit the rearward motion of the copy-support, substantially as described.

4. A copy-holder for type-writing machines, comprising a base adapted to be detachably
30 connected to the stationary frame of the machine across the rear thereof, and a copy-support pivotally connected to said base at its ends, the lower edge of the copy-support being separated from the base to form a space for the passage of the impression-sheet, said space being of a length sufficient to accommodate the lateral travel of the impression-sheet, substantially as described.

5. A copy-holder for type-writing machines,
40 comprising a base adapted to be detachably connected to the machine across the rear thereof, and a copy-support provided with laterally-extending loops at its lower edge pivotally connected to said base, the lower edge of the copy-support being separated from the base to form a space for the passage of the impression-sheet, and the spaces within the loops forming lateral extensions of said space, substantially as described.

6. A copy-holder for type-writing machines, comprising a base adapted to be detachably
50 connected to the machine across the rear thereof, and a copy-support provided with laterally-extensible loops at its lower portion, having a sliding connection with the support and a sliding and pivotal connection with the base, substantially as described.

7. A copy-holder for type-writing machines, comprising a base adapted to be detachably
60 connected to the machine across the rear thereof, a copy-support provided with later-

ally-extensible loops having a pivotal and sliding engagement with the base and provided with stop-lugs, the base being constructed and arranged to be engaged by said lugs when the
65 loops are moved outward, and said lugs clearing the base without engaging the same when the loops are moved inward, substantially as described.

8. In a copy-holder for type-writing machines the combination, with a base comprising a cross-bar and inclined extensions provided with terminal clamping devices to connect the base to the machine, of a copy-support having laterally-extensible loops provided
75 with sleeves adapted to slide and turn on the cross-bar, and having stop-lugs which engage the inclined portions of the base when the loops are pulled outward, and which clear said inclined portions when the loops are moved
80 inward, substantially as described.

9. A copy-holder for type-writers, comprising a copy-support, a base to which said support is pivotally connected, and connecting-pins carried by said base and adapted to be
85 inserted in suitable sockets with which the machine is provided, substantially as described.

10. A copy-holder for type-writing machines, comprising a base adapted to be detachably connected to the machine, and an
90 extensible copy-support pivotally connected to said base and composed of two relatively sliding sections, and means for positively securing the sections in position after adjustment, substantially as described.

11. A copy-support comprising two sections, one provided with lateral marginal flanges forming grooves or ways to receive the edges of the other section, one of said
100 flanges being notched or recessed at intervals, and the other section being provided with a spring-tongue to engage said notches, substantially as described.

12. A copy-support composed of relatively
105 sliding sections, the lower section being provided with clips at its upper edge, substantially as described.

13. A copy-support having a cross-bar extending across its upper portion to form a
110 bearing-surface, and a clamping-bar extending across the top of the copy-support in front of said cross-bar, secured thereto at each end, and free therefrom between its ends, the lower surface of said clamping-bar being
115 rounded, substantially as described.

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

RODNEY J. WOOD.

Witnesses:

J. O. ELLIOTT,

H. R. HARFORD.