

(No Model.)

S. STEWART.
COPY HOLDER.

No. 543,109.

Patented July 23, 1895.

Fig. 1.

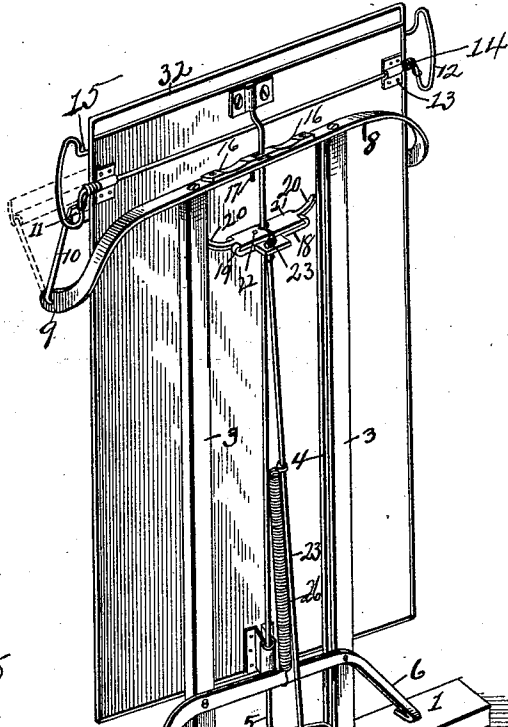


Fig. 2.

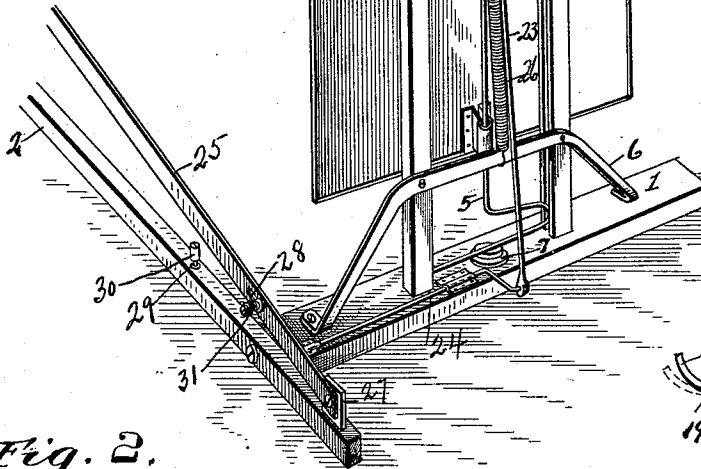


Fig. 5.

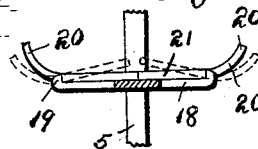


Fig. 3.

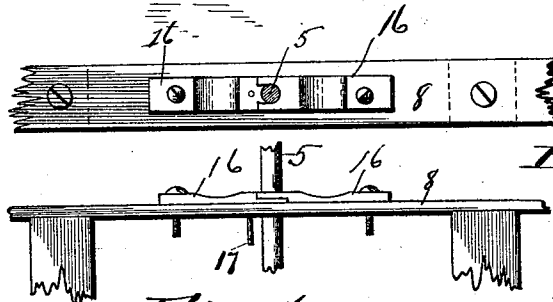
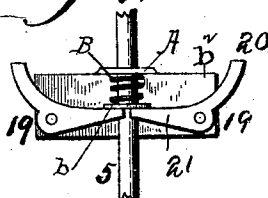


Fig. 4.



Witnesses:

W. B. McGirr.
A. R. Appleman Jr.

Inventor:

Scott Stewart
by Frank J. Appleman
att'y.

UNITED STATES PATENT OFFICE.

SCOTT STEWART, OF RIVESVILLE, WEST VIRGINIA, ASSIGNOR OF TWO-THIRDS TO GEORGE M. PRICE AND H. J. PRICE, OF SAME PLACE.

COPY-HOLDER.

SPECIFICATION forming part of Letters Patent No. 543,109, dated July 23, 1895.

Application filed March 6, 1895. Serial No. 540,791. (No model.)

To all whom it may concern:

Be it known that I, SCOTT STEWART, a citizen of the United States of America, residing at Rivesville, in the county of Marion and 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.

The object of this invention is the production of a copy-holder particularly adapted for use by amanuenses in connection with typewriting machines; and it consists in novel means for automatically and simultaneously releasing the clutches that elevate and hold the carriage that it may fall by gravity to its lowermost position for further manipulation.

With the above and other objects in view the invention consists in the various novel details of construction, arrangement, and combination of parts to be hereinafter more fully set forth and specifically claimed.

In describing the invention in detail reference is had to the accompanying drawings, forming part of this specification, wherein like characters denote corresponding parts in the several views, in which—

Figure 1 is a view in perspective of my improved copy-holder looking from the rear. Fig. 2 is a top plan view of one of the clutches. Fig. 3 is a side view thereof, and Fig. 4 is a view in side elevation of the lever-clutch slightly modified. Fig. 5 is a detail view of the traveling clutch.

In the drawings, 1 denotes the base; 2, an extension at right angles to the base.

3 3 are vertical guides extending from the base and provided with ways 4, in which the extensions of the rod 5 of the carriage are adapted to ride, said extensions acting also as a spring to lessen the jar and strain when the carriage falls.

A brace 6 is secured to the base and guides and a buffer 7 is secured to the base to receive the impact of the rod 5, these latter being details of construction which do not enter into the invention, but are added to increase the efficiency of the device.

Secured to the top of the guides is a bridge-piece 8 with forwardly-extending arms 9,

which receive the ends of a pivoted frame 10 carrying a guide 11 adapted to bear against the copy and indicate the proper matter to be copied.

The copy-holding clamp consists of a frame 12 pivoted to the loops 13, the spring 14 serving to hold the section 15, which passes in front of the carriage, pressed against the surface of the copy.

Arranged on the bridge-piece is a spring-clutch formed in duplicate sections 16 with slots in the free ends to receive the rod 5, which passes through the said bridge-piece. The sections of this clutch are reduced centrally to provide for increased elasticity, and one section is provided with a pin or stud 17, which passes through the bridge and is engaged by a shoulder or trip on the movable clutch, whereby the stationary clutch is elevated and its hold released.

The movable clutch consists of a base 18 having upturned ends 19 centrally recessed to receive the upwardly-extending ends 20 of the sections of the clutch, which are adapted to strike against the under side of the bridge-piece and be pressed down, thereby elevating the opposite ends out of engagement with the rod 5 and releasing the bite thereon. The clutch is formed of duplicate members 21 with semicircular recesses in the ends to embrace the rod 5. In Fig. 1 one member of the clutch is provided with an aperture 22 to allow the pin or stud to pass through and abut the base of the clutch. The spring 23 holds the members of the clutch in their positions, but can be dispensed with, as the base is so formed as to hold the members of the clutch for all ordinary usage.

The movable clutch is mounted on a rod 23 connected with a crank-lever 24 which extends inwardly to the center from the hand-operated lever 25. The rod 23 is held normally depressed by the action of the spring 26 secured to the brace 6 and to the rod, as shown.

The operating-lever 25 is pivoted to a lug 27 and is provided with an elongated aperture 28, in which the end of the crank-lever 24 operates.

A gate to restrict the movement of the op-

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erating-lever and the throw of the clutch is provided, consisting of a screw-threaded stud 29 having a cap 30 which can be elevated or lowered to limit the motion of the lever, as will be apparent.

In the modification shown in Fig. 4 the collar A abuts the pin, while the construction of the clutch and the arrangement of the spring is slightly altered—that is, the spring B is wound around the rod 5 and is engaged by the collars A and b, the collar b being pressed by the arms 21, which are pivoted to a casing b².

In order to release the carriage and allow the same to drop the lever is moved transversely, the action of the spring 31 secured to the end of the crank-lever being overcome. The lever is then depressed so as not to come into contact with the gage 30, and when so depressed the movable clutch is elevated until the curved extensions come into contact with the bridge and the pin or stud of the stationary clutch is elevated by the base-plate of the movable clutch when they simultaneously release their hold and the carriage descends and the operating-lever automatically returned to its normal position by action of the springs 31 and 26, respectively.

By extending the frame of the table slightly above the table proper I form a loop 32 through which the sheets may be passed when copied, and it may be found desirable to employ a spring for retaining the loop in contact with the sheets, especially when the paper is unusually stiff.

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

1. In a copy holder, the combination with a table, a rod secured thereto and working in an aperture of a clutch base, duplicate clamping members arranged on the base, and having upwardly curved outer ends to abut a trip, a fixed clutch to hold the table in its advanced position and means for elevating the members of the fixed and movable clutches out of en-

gagement with the rod simultaneously for the purpose described.

2. In a copy holder, the combination with the table having suitable supports, of a stationary clutch secured on the bridge piece of the support, a movable clutch consisting of a base, and duplicate clamping sections with upturned ends adapted to abut the bridge piece, and means for elevating the stationary clutches out of contact with the supporting rod at the time the movable clutch releases its hold thereon as and for the purpose described.

3. In a copy holder, the combination with the table having a rod to be engaged by clutches, of a stationary clutch consisting of two members, a projection depending from one of said members, a traveling clutch consisting of duplicate members, the said stationary clutch being tripped by the movable clutch engaging said projection the movable clutch being simultaneously released by a trip abutting the ends of the members of the movable clutch, an operating spring pressed lever, a gage for limiting its movement and means whereby the lever may be moved out of contact with the gage, depressed and automatically returned to its normal position, for the purpose described.

4. In a copy holder the combination with a table having suitable clamps and supports, of a traveling clutch formed of duplicate members arranged on a base and having upturned ends to abut a trip, a fixed clutch, a projection secured thereto and means whereby the ascent of the movable clutch will engage the projection of the stationary clutch and the ends of the movable clutch will abut a trip to release both automatically as and for the purpose described.

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

SCOTT STEWART.

Witnesses:

GEO. E. TERRY,

RICH. CALDWELL.