May 18, 1926. 1,585,531

H. G. CHASE

COPYHOLDER

Filed Nov. 6, 1924 2 Sheets-Sheet 1

Fig. 1.

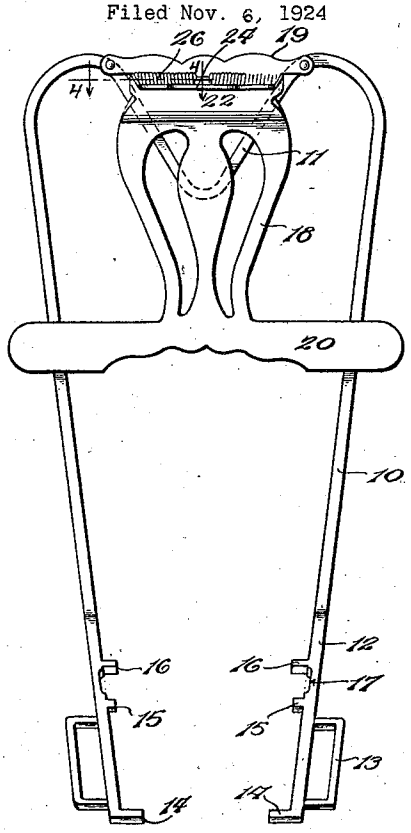



Fig. 2.

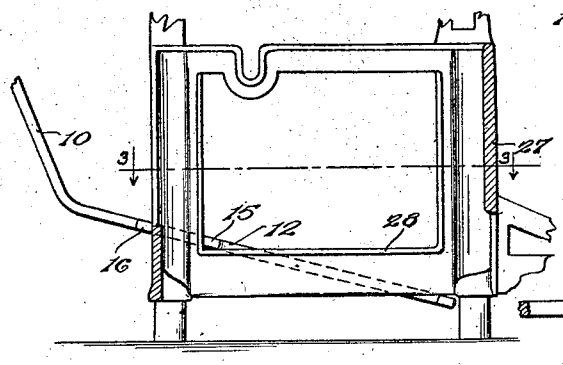



Fig. 3.

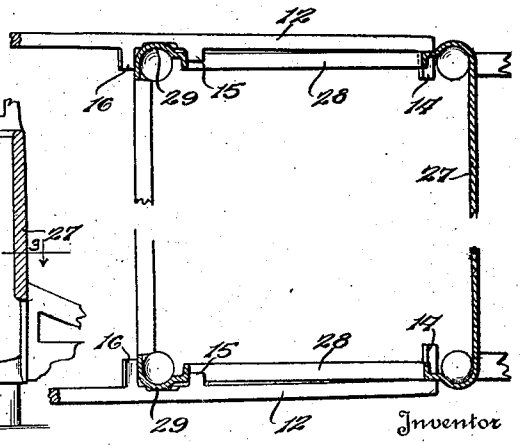
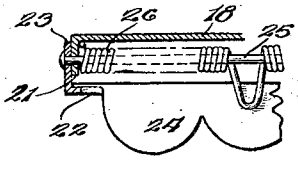



Fig. 4.

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Filed Nov. 6, 1924 2 Sheets-Sheet 2

Fig. 5.

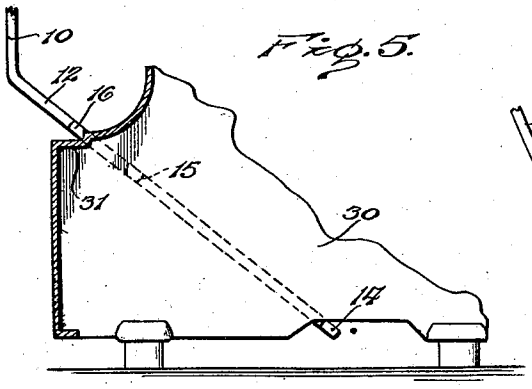



Fig. 6.

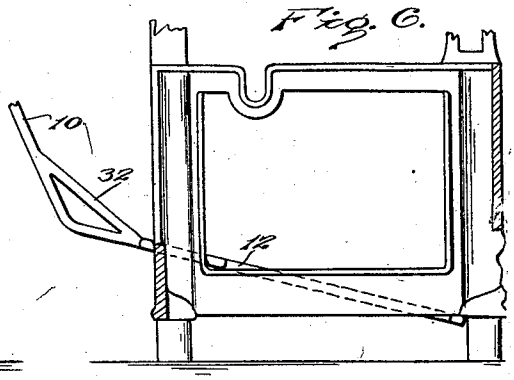
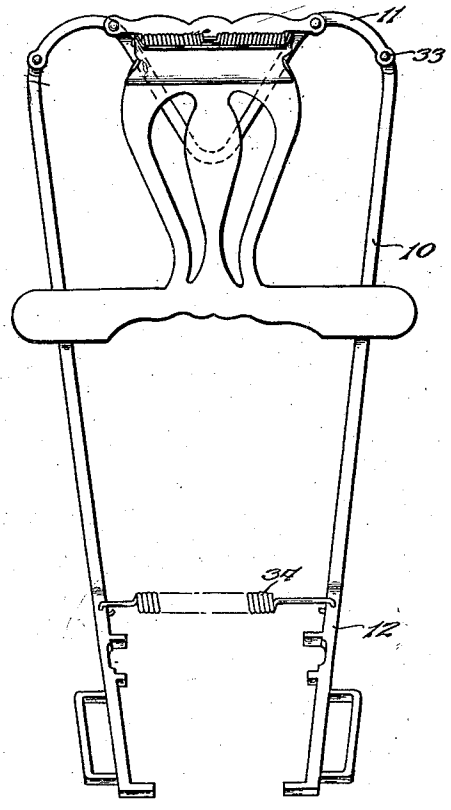



Fig. 7.

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Patented May 18, 1926. 1,585,531

# UNITED STATES PATENT OFFICE.

HERMAN G. CHASE, OF CLARKSTON, WASHINGTON.

## COPYHOLDER.

Application filed November 6, 1924. Serial No. 748,234.

This invention relates to an improved copy holder for typewriters and seeks, among other objects, to provide a simple and efficient device of this character for supporting copy conveniently visible to the operator.

The invention seeks, as a further object, to provide a device which may be readily engaged with or disengaged from the typewriter and which, when applied, will not be in the way.

And the invention seeks, as a still further object, to provide a device eliminating the use of fastening devices for connecting the device with the typewriter and which will be adapted for use upon different makes of typewriters.

Other and incidental objects will appear hereinafter.

In the accompanying drawings:

Figure 1 is a front elevation of my improved copy holder,

Figure 2 is a sectional view showing the manner in which the jaws of the device are engaged with the frame of an Underwood typewriter,

Figure 3 is a horizontal sectional view on the line 3—3 of Figure 2, looking in the direction indicated by the arrows,

Figure 4 is a detail sectional view on the line 4—4 of Figure 1, looking in the direction indicated by the arrows,

Figure 5 is a fragmentary sectional view showing the manner in which the jaws of the device are engaged with the frame of a Remington typewriter,

Figure 6 is a sectional view showing a slight modification of the invention, and

Figure 7 is a plan view showing a further modification.

In carrying the invention into effect, I employ a resilient metal frame of substantially inverted U-shape and comprising a pair of downwardly converging spring arms 10 curved toward each other at their upper ends and united by a substantially V-shaped spring connecting portion 11. Near their lower ends, the arms are bent to provide a pair of downwardly and forwardly inclined jaws 12 provided at their outer longitudinal edges with handles 13 integrally formed on or otherwise attached to said jaws. Formed on the jaws at their free ends is a pair of terminal lugs 14 projecting toward each other between the jaws, and formed on the rear end portions of the jaws in spaced relation to the lugs 14 is a pair of oppositely disposed inwardly directed lugs 15. Rearwardly of the pair of lugs 15, the jaws are further provided with a pair of inwardly directed lugs 16 extending parallel to the lugs 14 in spaced relation thereto and somewhat longer than the pair of lugs 15. Between the pairs of lugs 15 and 16, the jaws are recessed as indicated at 17.

Mounted upon the upper end portion of the frame at the forward side thereof is a copy receiving plate 18 which may be stamped from suitable sheet metal. At its upper end, the plate is provided with lateral lugs 19 riveted or otherwise secured to the ends of the V-shaped connecting portion 11 so that the plate will thus overlie said connecting portion, and formed on the plate at its lower end is a cross strip 20 resting against the arms 10. In order that the arms may be freely flexed apart, the cross strip is not secured to the arms. Adjacent the base ends of the lugs 19, the plate 18 is, as particularly shown in Figure 4, formed with forwardly directed lugs 21 and pivoted upon said lugs is a clamp 22 provided at its ends with lugs 23 straddling the lugs 21. The clamp is provided with an upstanding flange 24 which may be grasped for rocking the clamp, and extending through all of said lugs is a pivot pin 25 surrounding which is a spring 26 normally pressing the clamp into engagement with the plate 18.

In Figures 2 and 3 of the drawings, I have shown the manner in which my improved copy holder is mounted upon the frame of an Underwood typewriter. The frame of such a typewriter is conventionally illustrated at 27 and, as is well known, this frame is provided at the opposite sides thereof with bottom bars 28 from the rear ends of which rise substantially concavo convex rear corner posts 29. To apply the device, the handles 13 are grasped, when the arms 10 are sprung apart and the jaws 12 advanced from the rear of the frame forwardly over the frame at opposite sides thereof. The pair of lugs 14 of the jaws is then disposed to engage beneath the side rails 28 of the frame while the pairs of lugs 15 and 16 are disposed to straddle the corner posts 29 so that when the handles 13

are released, the spring action of the arms 10 will cause the jaws to firmly grip the frame for maintaining the lugs engaged therewith. Thus, the lugs 14 will bear against the lower edges of the side rails 28 and the lugs 15 will bear against the upper edges of said rails for supporting the device upon the typewriter while the pair of lugs 16 will, in conjunction with the pair of lugs 15, coact with the corner posts 29 for limiting the jaws against endwise displacement. As brought out in Figure 3, the recesses 17 in the jaws are provided to accommodate the bulging convex portions of the corner posts. The device may thus be easily applied and, when so applied, will be rigidly held upon the frame of the typewriter in such position that the arms 10 of the device will incline upwardly and rearwardly at the rear of the typewriter so that copy may be engaged by the clamp 22 to rest against the plate 18 supported by the copy holder in convenient position to the operator.

In Figure 5 of the drawings, I have shown the manner in which the device is mounted upon a Remington typewriter, a portion of the frame of such a typewriter being conventionally illustrated at 30. As is well known, the Remington typewriter frame is provided at the rear thereof with a ledge 31. Accordingly, by grasping the handles 13 of the device and flexing the arms 10 apart, the jaws 12 may be advanced over the frame from the rear to engage the lugs 14 of the jaws beneath the frame and also engage the lugs 16 over the ledge 13 at the ends thereof, when, upon release of the handles, the jaws will be caused to grip the frame for maintaining the lugs engaged therewith. Since the lugs 14 and 16 are longer than the lugs 15, the latter lugs will not interfere with the engagement of the former lugs with the frame in the manner indicated.

In Figure 6 of the drawings, I have illustrated a slight modification of the invention wherein brace members 32 are provided to extend across the angles between the arms 10 and jaws 12 of the device. These brace members may be integral with the jaws and arms and, when the device is in use, will tend to overcome vibration of the arms such as might be brought about through the operation of the typewriter.

In Figure 7 of the drawings, I have illustrated a further modification of the invention, wherein the arms 10 of the device are hingedly connected with the V-shaped portion 11 by pintles 33. Thus, the arms may be freely swung relative to each other for applying the device to a typewriter in the manner previously described, and extending between the rear end portions of the jaws 12 is a spring 34 for yieldably holding the jaws engaged with the typewriter frame. Otherwise, this modified structure is identical with the preferred form of the invention and further description is accordingly believed unnecessary.

Having thus described the invention, what I claim is:

1. A copy holder including a frame having coacting arms provided with jaws disposed to straddle and engage the frame of a typewriter, the jaws being formed near their forward ends with lugs to engage beneath portions of the typewriter frame and near their rear ends with spaced lugs to straddle other portions of the typewriter frame sustaining the holder upon the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

2. A copy holder including a frame having downwardly converging spring arms bent near their lower ends to form downwardly and forwardly inclined jaws provided with handles as well as also provided near their forward ends with a pair of inwardly directed lugs and near their rear ends with pairs of spaced inwardly directed lugs, certain of the latter lugs being longer than the others, and means carried by the frame of the holder for sustaining copy thereon.

3. A copy holder including a frame having coacting bodily shiftable jaws yieldably held against spreading movement and spaced apart whereby the jaws may be spread to straddle the frame of a typewriter at the rear thereof and grip said frame between the jaws for connecting the frame of the holder with the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

4. A copy holder including a frame having spaced downwardly extending relatively movable arms provided at their free ends with coacting jaws bodily shiftable relative to each other but yieldably restrained against spreading movement, the jaws being spaced apart whereby the jaws may be spread to straddle the frame of a typewriter at the rear thereof and grip said frame between the jaws for connecting the frame of the holder with the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

5. A copy holder including a frame having spaced downwardly extending relatively movable arms terminating at their free ends in forwardly and downwardly inclined jaws bodily shiftable relative to each other but yieldably restrained against spreading movement, the jaws being spaced apart whereby the jaws may be spread to straddle the frame of a typewriter at the rear thereof and grip said frame between the jaws for connecting the frame of the holder with the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

6. A copy holder including a frame of

substantially inverted U-shape and having downwardly extending relatively movable arms terminating in coacting forwardly extending jaws bodily shiftable relative to each other but yieldably restrained against spreading movement, the jaws being spaced apart whereby the jaws may be spread to straddle the frame of a typewriter at the rear thereof and grip said frame between the jaws for connecting the frame of the holder with the typewriter, and means carried by the frame of the holder for sustaining copy thereon.

7. The combination with a typewriter having a frame, of a copy holder including a frame having coacting jaws spring actuated toward each other and spread apart to straddle and grip the rear of the typewriter frame between the jaws for connecting the holder with the typewriter to upstand at the rear thereof, and means carried by the frame of the holder for sustaining copy thereon visible above the typewriter.

In testimony whereof I affix my signature.

HERMAN G. CHASE. [L. S.]