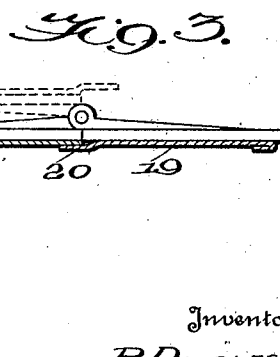
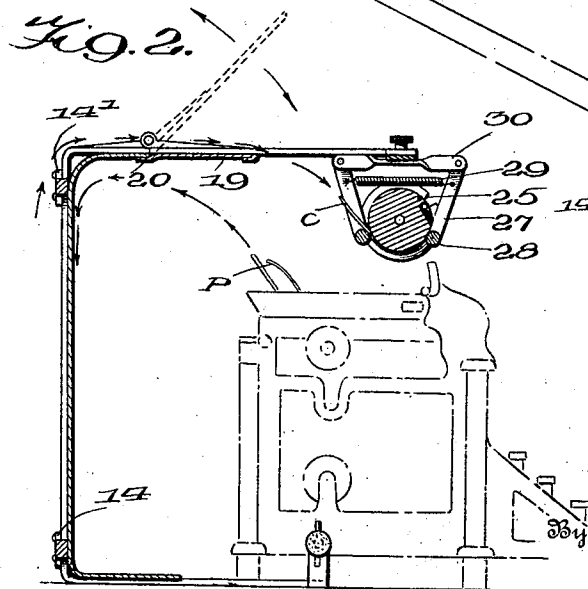
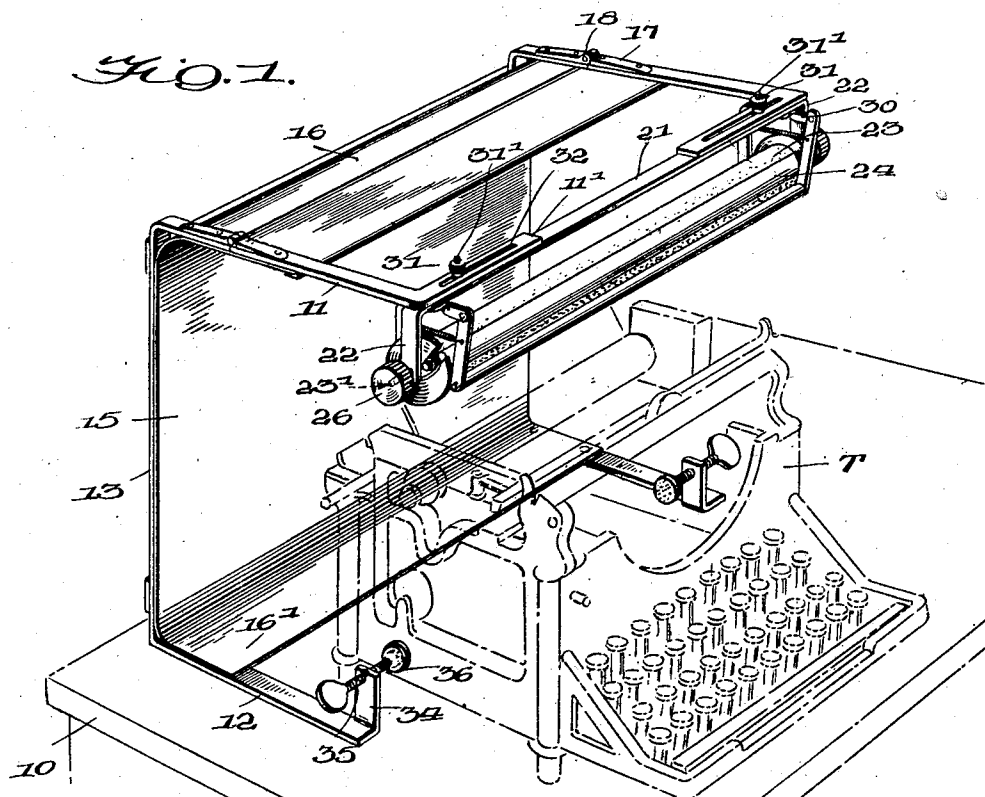


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COPYHOLDER FOR TYPEWRITERS

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COPYHOLDER FOR TYPEWRITERS.

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This invention relates to copy holders for use in connection with typewriters and the like.

An object of the invention is to provide a construction which is relatively simple, enabling manufacture at an inconsiderable cost, and also permitting ready application to a typewriter, and use for extended periods without necessity for repair or adjustment.

A further object of the invention is to provide a copy holder which is adapted to position the copy directly above the carriage of a typewriter, and to support the same without interference with the movement of the typewriter carriage or the paper carried thereby. The invention also seeks to provide means whereby the holder may be readily moved to and from its operative position so that when not in use, it will not interfere with operation of the typewriter, and when in use, will maintain the copy in a convenient position.

A still further object of the invention, and which is of considerable importance, is to provide a holding position for the copy immediately above and adjacent the typewriter carriage, and at the same time, to arrange the holder so that the paper carried by the carriage will not accidentally engage the copy holder or be torn or mutilated thereby as the typewriter carriage travels back and forth.

The above and other objects of the invention will become clearer as the description proceeds in connection with the preferred embodiment shown in the accompanying drawings, wherein:

Figure 1 is a perspective, showing a typewriter somewhat diagrammatically to illustrate clearly the association of the invention therewith.

Figure 2 is a side elevational view.

Figure 3 is a fragmentary side elevation.

Referring to the drawings more in detail, 10 indicates a desk or other suitable support for a typewriter T of any suitable type, a conventional type being illustrated in the drawings.

The copy holder of the present invention consists, preferably, of a frame which comprises two substantially U-shaped metal strips having top horizontal legs 11, bottom horizontal legs 12 and intermediate connecting portions 13 arranged vertically to form up-rights.

The two frame pieces may be braced to form a rigid structure by means of cross bars 14,

14', arranged adjacent the upper and lower ends of the intermediate upright portions 13. The frame strips are separated substantially the width of the typewriter, and are spaced by a substantially plane sheet of material, such as sheet metal 15. This sheet of material extends throughout the length of the intermediate portion 13, and at its upper edge 16, is curved forwardly to be arranged beneath the horizontal legs or supporting arms 11, which, preferably, are jointed and secured together by means of hinges 17 having horizontally disposed pivots 18. In order to permit ready swinging movement of the forward portions of the top horizontal arms or legs, the sheet 15 is severed to provide a forward extension 19 making an overlapped joint 20 with the forwardly bent portion 16. At the forward ends of the arms or legs 11, they are deflected inwardly to provide juxtaposed portions 11', adapted to support a copy holding and feeding means, which may be of any suitable form.

In the present instance, the holding and feeding means comprises a bracket element having a transverse horizontal strip 21 with downwardly bent end portions 22 forming at their lower ends, bearings for a roller 23 having end axles 23' extending through the bearings in said depending portions. The roller 23 may have a suitable copy gripping means in the form of a spring-pressed plate 24 seated within a cut-away portion 25 in the roller.

As will be understood, the edge of the copy C is gripped between the surface of the roller and the clamping plate 24, and as used, the copy is wound upon the roller, which may be operated by means of hand wheels 26 at its end. To maintain the paper against the roller, spring operated levers 27 carry pressure rods 28 at opposite sides of the roller, and the rods are held against the latter by means of a contractile spring 29 at each end. As illustrated clearly in Figures 1 and 2, the levers 27 are supported at their upper ends by means of supporting brackets 30 secured to the strip 21. The entire holding and feeding means, which, as will be understood, may take other forms, may be secured to the intumed ends 11' by means of clamping nuts 31 fastened to threaded pins 31' secured to strip 21 and projecting through elongated slots 32 in the arms 11'.

The operative position of the device is shown in Figures 1 and 2, and, as will be observed, the copy holding and feeding means

is arranged immediately above the carriage where the copy may be easily read without the necessity for the operator of the typewriter to turn the head. As shown, the portion of the copy not read extends rearwardly from the feeding and holding roller 23 over the extensions 16, 19 of the sheet 15 by which it is supported in a position spaced from the typewriter until used and wound upon the roll 23; thus it will not interfere with the operation of the typewriter or with the paper in the typewriter carriage, as the carriage is moved back and forth.

The paper P in the carriage of the typewriter as it is fed rearwardly, and, if stiff, upwardly, engages the portions 16, 19 of the sheet of material between the frame strips of the copy holder, and as illustrated in Figure 2, is deflected downwardly thereby.

Since the connecting sheet between the frame strips is plane or has no projections thereon, there will be nothing to engage and tear or mutilate the paper being used in the typewriter. To avoid this, the sheet is preferably of the width of the typewriter carriage so that as the carriage is moved from one extreme of its travel to the other, the edge of the paper therein will not engage anything but the flat surface of the web or sheet 15 connecting the framework of the copy holder, and thus will not be caught and torn.

When the copy holder is not in use, the arms or legs 11, carrying the holding and feeding means may be swung upwardly and rearwardly from the operative position shown in Figures 1 and 2; an intermediate position is illustrated in Figure 2, and as will be understood, when rearward movement is continued, the arms 11 will rest upon, and be supported, by the portions thereof to the rear of the hinges 17, (Fig. 3).

The copy holder may be supported in any suitable manner, and, in the present instance, the lower horizontal legs 12 serve as supporting elements. They are connected by a forwardly bent portion 16' of the sheet 15, which, preferably, extends to a position close to the typewriter so that the paper as it is fed there-through during its operation, may rest on the sheet extension 16' and during travel of the carriage, will not engage the frame legs 12. At their forward ends, the legs may be formed with upstanding lugs 34 which carry securing means in the form of manually operable clamping pins 35 threaded through openings in the lugs 34, and having swivelled on their ends, typewriter frame clamping or pressure disks 36. When the clamping pins are adjusted to engage the typewriter frame, they will effectively maintain the copy holder against tilting movements and rigidly in position at all times. This clamping or securing means of some character is desirable, since the copy holding and feeding element above the typewriter is movable toward and from operative

position, and hence would tend to tilt the device unless some means is provided for anchoring it.

As will be understood, numerous modifications may be made in the structure illustrated and described without departing from the invention, which is defined by the following claims:

I claim:

1. In a copy holder, a frame comprising a pair of spaced uprights having supporting means at their lower ends, horizontally extending arms at the upper ends of said uprights, said arms being adapted to extend over a typewriter carriage with the uprights positioned at the rear of the typewriter, copy holding and feeding means supported adjacent the outer ends of said arms, and a substantially plane sheet of material in front of the uprights and beneath said arms, said sheet extending between said uprights and arms, and connected thereto whereby to support a copy between the arms and to deflect downwardly paper fed upwardly and rearwardly by the platen roll of a typewriter carriage, said connecting sheet being at least substantially the width of a typewriter carriage whereby travel of the latter will not carry a paper therein totally beyond the edges of the sheet.

2. In a copy holder, a frame comprising a pair of spaced uprights having supporting means at their lower ends, horizontally extending arms at the upper ends of said uprights, said arms being adapted to extend over a typewriter carriage with the uprights positioned at the rear of the typewriter, copy holding and feeding means supported by said arms, and a substantially plane sheet of material in front of the uprights and beneath the arms, said sheet extending between said uprights and arms and connected thereto, whereby to support a copy between the arms and to deflect downwardly paper fed upwardly and rearwardly by the platen roll of a typewriter carriage, the arms and the sheet therebetween having a hinged movement about a horizontal axis whereby the copy holding means and arms may be swung upwardly and rearwardly relative to said uprights from an operative position over a typewriter carriage to an inoperative position rearwardly with respect thereto, said connecting sheet being at least substantially the width of a typewriter carriage whereby travel of the latter will not carry a paper therein totally beyond the edges of the sheet.

3. In a copy holder, a frame comprising a pair of spaced uprights having supporting means at their lower ends and means spaced inwardly therefrom adapted to engage and secure the uprights to a typewriter frame, horizontally extending arms at the upper ends of said uprights, said arms being adapted to extend over a typewriter carriage with

the uprights positioned at the rear of the typewriter, copy holding and feeding means supported by said arms adjacent the outer ends thereof, and a substantially plane sheet of material in front of said uprights and beneath the arms, said sheet extending between said uprights and arms, and connected thereto whereby to support a copy between the arms and to deflect downwardly paper fed upwardly and rearwardly by the platen roll of a typewriter carriage, said connecting sheet being at least substantially the width of a typewriter carriage whereby travel of the latter will not carry a paper therein totally beyond the edges of the sheet.

4. In a copy holder, a frame comprising a pair of substantially U-shaped members having their legs horizontally disposed, and the connecting portion arranged vertically to form uprights, a substantially plane sheet of material disposed in front of said uprights and beneath the upper horizontal legs, the latter being adapted to extend over a typewriter carriage when the upright portions are disposed at the rear thereof, copy holding and feeding means carried by the upper horizontal legs adjacent the outer ends thereof, said sheet of material being substantially the width of a typewriter carriage whereby the travel of the latter will not carry a paper therein totally beyond the edges of the sheet.

5. In a copy holder, a frame comprising a pair of substantially U-shaped members having their legs horizontally disposed, and the connecting portion arranged vertically to form uprights, a substantially plane sheet of material disposed in front of said uprights and beneath the upper horizontal legs, the latter being adapted to extend over a typewriter carriage when the upright portions are disposed at the rear thereof, copy holding and feeding means carried by the upper horizontal legs, said sheet of material being substantially the width of a typewriter carriage whereby the travel of the latter will not

carry a paper therein totally beyond the edges of the sheet, said top horizontal legs being hinged about a horizontal axis whereby the copy holding means may be swung upwardly and rearwardly relative to said uprights from an operative position over the typewriter carriage to an inoperative position rearwardly with respect thereto.

6. A copy holder comprising a sheet of material having a vertical portion disposed in the rear of a typewriter and a substantially horizontal portion extending outwardly and over the typewriter carriage whereby said horizontal portion coacts with the vertical portion to deflect downwardly paper fed upwardly and rearwardly by the platen roll of a typewriter carriage, a copy holding and feeding means connected to the ends of said horizontal portion, said sheet of material being at least substantially the width of a typewriter carriage whereby travel of the latter will not carry a paper therein totally beyond the edges of the sheet material, and supporting means connecting the holder to the typewriter.

7. A copy holder comprising a sheet of material having a vertical portion disposed in the rear of a typewriter and a substantially horizontal portion extending outwardly and over the typewriter carriage whereby said horizontal portion coacts with the vertical portion to deflect downwardly paper fed upwardly and rearwardly by the platen roll of a typewriter carriage, a copy holding and feeding means hingedly connected to the ends of said horizontal portion, said sheet of material being at least substantially the width of a typewriter carriage whereby travel of the latter will not carry a paper therein totally beyond the edges of the sheet material, and supporting means connecting the holder to the typewriter.

In testimony whereof I have hereunto set my hand.

LINDSEY R. DOUGLAS.