July 3, 1956 L. KLING 2,752,887

TYPEWRITER COPY HOLDER

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FIG. 1

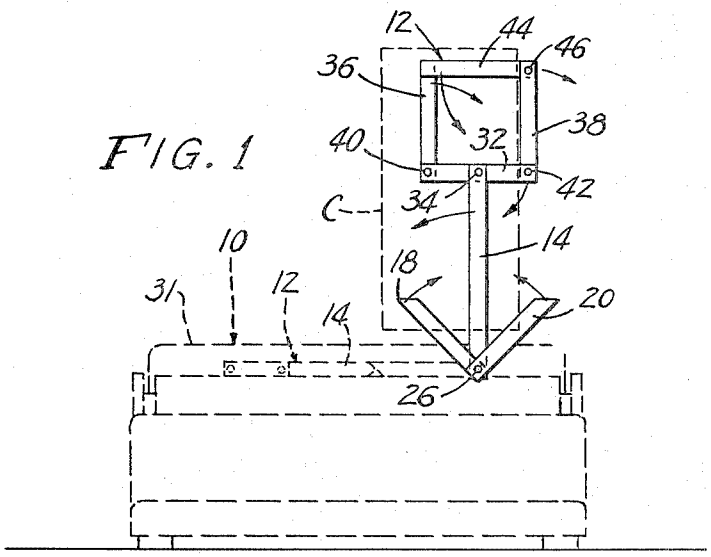


FIG. 2

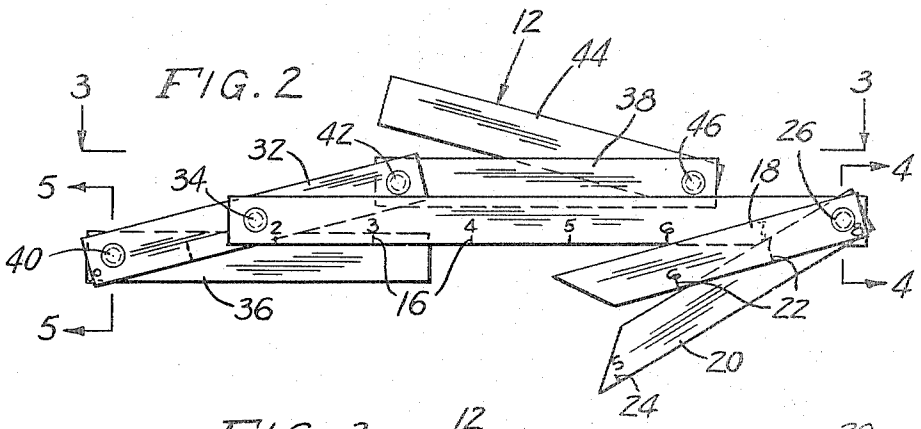
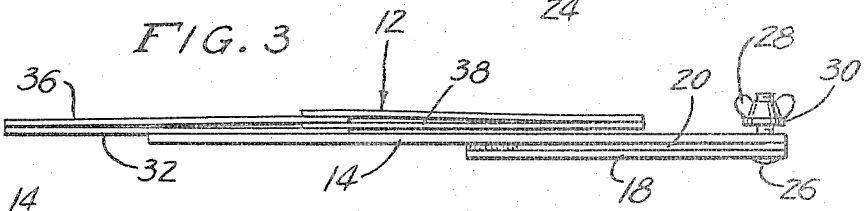


FIG. 3



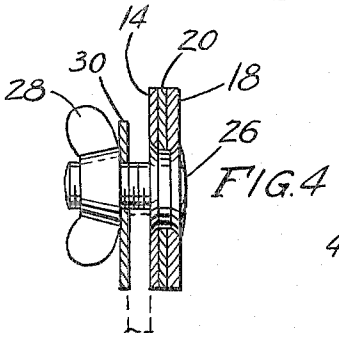


FIG. 4

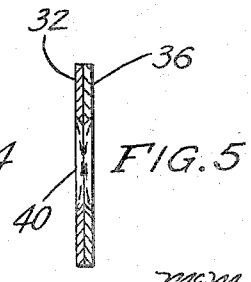


FIG. 5

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TYPEWRITER COPY HOLDER

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7 Claims. (Cl. 120—28)

This invention relates to a device for holding copy to be typed, on a portable or standard typewriter, and more particularly has reference to a foldable or collapsible copy holder which, when attached to the paper table of a typewriter, that is, the plate is back of the platen, can be swiftly adjusted to fully collapsed or operating positions, as desired.

Ordinarily, a copy holder is formed separately from a typewriter, and is supported upon the desk or table adjacent the typewriter. This requires that the typist look laterally at the copy during the typing operation, and not only is this tiresome, but additionally, valuable time is lost in many instances due to the necessity of effecting a periodic check of the typed copy in the typewriter. The necessity of turning the eyes toward and away from the copy being typed, with the line of vision turning in a lateral direction, makes it somewhat difficult for the typist to follow the location on the copy being typed each time the head is turned back to said copy from the material in the typewriter.

The main object of the present invention is to provide an improved copy holder, mountable directly upon a typewriter, and among more specific objects of the invention are the following:

First, to provide a copy holder as stated which will be so designed as to be either readily attachable to a typewriter already in use, or alternatively, made a part of the typewriter during the manufacture of the machine;

Second, to provide a copy holder so designed as to result in greater speed, accuracy, economy of operation, and convenience to the typist;

Third, to provide a copy holder which will support the copy in such a position that the typist may look directly at the copy without moving the head laterally, since the copy will be directly in back of the material being typed, thus to reduce the possibility of mistakes and promote increased speed;

Fourth, to promote accuracy by reason of the particular design of the construction, brought about by increased attention to the material being copied, as a result of which greater attention can be directed toward the mechanics of paragraphing, sentence structure, and grammar;

Fifth, to provide a copy holder which will be characterized by the speed and ease with which it may be adjusted between fully collapsed and fully extended positions;

Sixth, to so form the copy holder that when folded, it will define a straightedge which can be calibrated in inches or other measurements, with the collapsed device being disposed wholly in back of the paper table in and out of the way, fully concealed position; and

Seventh, to provide a copy holder which will be particularly designed to insure the firm retention of the copy in proper position during use of the device.

Other objects will appear from the following description, the claims appended thereto, and from the annexed drawing, in which like reference characters designate like parts throughout the several views, and wherein:

Figure 1 is a front elevational view of a copy holder

formed according to the present invention, as it appears when in use, a typewriter and a piece of copy being shown in dotted lines;

Figure 2 is an enlarged plan view of the copy holder per se, in partially collapsed position;

Figure 3 is a view of the copy holder as seen from the line 3—3 of Figure 2;

Figure 4 is an enlarged transverse sectional view through the clamp means of the device, substantially on line 4—4 of Figure 2; and

Figure 5 is an enlarged transverse sectional view through one of the pivotal connections employed in the device, taken substantially on line 5—5 of Figure 2.

Referring to the drawings in detail, the reference numeral 10 generally designates a conventional typewriter, which may be either of the portable or standard type.

At 12 there has been designated the copy holder formed according to the present invention, shown in Figure 1 in extended, operative position in supporting relation to a piece of copy C.

The device constituting the present invention includes an elongated, straight standard 14, which as shown in Figure 2 may be calibrated along one or both edges thereof as at 16, with the calibrations being of any desired type, as for example, graduations in inches.

Connected to the lower end of the standard 14 are identically but oppositely formed hold-down arms 18, 20 having oppositely beveled outer end edges. These can be calibrated as at 22, 24 correspondingly to the calibrations 16 of the standard, so that when the arms are folded in longitudinal alignment with the standard, the calibrations of the arms will match those of the standard to provide a continuous straightedge or rule which can be used for measuring purposes.

The arms 18, 20 at their inner ends, are connected to the lower end of the standard 14 by means of a screw 26, the head of which is peripherally grooved so as to define on the head of the screw flared portions engaging in complementarily flared openings of the standard 14 and arm 18. The head of the screw thus constitutes a flush-type rivet, connecting the arms to the standard for pivotal movement of the arms relative to one another and to the standard.

The screw includes a shank projecting rearwardly from the standard, on which is threaded a wing nut 28, bearing against a clamp element 30, whereby the paper table 31 of the typewriter may be engaged by the clamp element and standard, between the same. It will be understood that a suitable adapter block or the like, not shown, can be employed, for the purpose of insuring verticality of the standard when the device is in use, to compensate for any inclination of the paper table. It is mainly important that when the device is clamped to the paper table, the standard 14 be adapted for swinging movement about a horizontal axis defined by the screw 26, between a vertical position shown in Figure 1, and a horizontal, folded position shown in dotted lines in this figure of the drawing. In the horizontal, collapsed position of the device, said device extends in contacting relation to the paper table, so as to become, in effect, a part of the paper table. The device will be disposed in front of the paper table when in collapsed position, so as to permit use of the device as a straightedge on which measurements of paper, etc., can be taken. Further, the device when fully folded does not interfere with normal use of the typewriter, since it lies flat against the paper table.

On the outer end of the standard 14 there is provided a cross member 32 pivotally connected intermediate its ends at 34 to the standard 14. Side members 36, 38 are pivotally connected at one end, as at 40, 42 respectively, to the opposite ends of the cross member 32, and a top or

copy holding member 44 is pivotally connected at 46 to the other end of the side member 38.

No pivotal connection is employed between the top member 44 and the side member 36, but the free ends of these members overlap in the position of the device, with the top member 44 extending in front of side member 36 as shown in Figure 1. The top member 44, in this connection, being of relatively thin material, has sufficient springability to permit it to be fixed forwardly so as to extend in front of the side member 36 when the device is in use, and in fact, this inherent springiness of the top member 44 serves to cause said top member to press a piece of copy C firmly against the side member 36 when the device is in use, in a manner to be made more clearly apparent hereinafter.

It will be seen that when the device, is in use, it comprises a vertical standard having at its lower end swingably adjustable hold-down arms diverging in a direction upwardly from the lower end of the standard, with said standard having at its upper end a rectangular support frame for the copy which frame is equipped with means at its upper end (the top member 44 and the side member 36) for clampably engaging the upper end of the copy. The lower end of the copy is supported against the standards 14, in back of the free end portions of the hold-down arms 18, 20, so that the copy is securely clamped in a vertical position both at the upper and lower ends of the device.

In use of the device, the lower end of the copy is inserted between the standard and the arms 18, 20 with the hold-down arms holding the copy against the standard. The copy is firmly supported over a substantial part of its length against the standard and the frame, and at its upper end is inserted between the side member 36 and the top member 44, so as to be securely held in a vertical position in back of the material being typed, adjacent one side of the typewriter.

To fold the device to its inoperative position, one first swings the arms 18, 20 in the direction of the arrows shown in Figure 1, into longitudinal alignment with the standard 14. Then, arm 38 is swung about pivot 42 to the right in Figure 1, in the direction of the arrow, until it is in longitudinal alignment with the cross member 32. This disposes the top member 44 vertically, in parallelism with the side member 36. The top member 44 is now swung about pivot 46 in a counterclockwise direction, viewing the same as in Figure 1, in back of the member 38, so as to be in longitudinal alignment with the member 38 and the cross member 32. Then, the cross member 32 is rotated counterclockwise about pivot 34 through 90 degrees in Figure 1, into longitudinal alignment with the standard, and as a final step the side member 36 is turned 90 degrees counterclockwise about pivot 40 in the direction of the arrow shown in Figure 1, to be disposed in back of the standard 14. All the parts are now in longitudinally aligned, superposed relation, so as to appear as in dotted lines in Figure 1, with the entire device being bodily swingable counterclockwise in Figure 1 about pivot 26 into a horizontal position in front of the paper table, awaiting its next use.

It will be readily apparent that various adjusted positions of the parts can be employed, when the device is in use. For example, the hold-down arms can be swung toward or away from one another, to decrease or increase the angle of divergence thereof, according to the width and nature of the particular copy.

It is believed apparent that the invention is not necessarily confined to the specific use or uses thereof described above, since it may be utilized for any purpose to which it may be suited. Nor is the invention to be necessarily limited to the specific construction illustrated and described, since such construction is only intended to be illustrative of the principles of operation and the means presently devised to carry out said principles, it being considered that the invention comprehends any minor change

in construction that may be permitted within the scope of the appended claims.

What is claimed is:

1. A typewriter copy holder adapted for connection to the paper table of a typewriter, comprising a standard; means for pivotally attaching said standard to the paper table for swinging movement of the standard between a horizontal position against the paper table and a vertical, use position in which it extends upwardly from the paper table; and collapsible frame means on the other end of the standard adapted for providing a back rest for a piece of copy to be typed.

2. A typewriter copy holder adapted for connection to the paper table of a typewriter, comprising a standard; means for pivotally attaching said standard to the paper table for swinging movement of the standard between a horizontal position against the paper table and a vertical, use position in which it extends upwardly from the paper table; collapsible frame means on the other end of the standard adapted for providing a back rest for a piece of copy to be typed; and a pair of hold-down arms connected to the standard at the first named end thereof and adapted to overlie a piece of copy to be typed, at the lower end of said copy, to support the copy against the standard.

3. A typewriter copy holder adapted for connection to the paper table of a typewriter, comprising a standard; means for pivotally attaching said standard to the paper table for swinging movement of the standard between a horizontal position against the paper table and a vertical, use position in which it extends upwardly from the paper table; collapsible frame means on the other end of the standard adapted for providing a back rest for a piece of copy to be typed; and a pair of hold-down arms connected to the standard at the first named end thereof and adapted to overlie a piece of copy to be typed, at the lower end of said copy, to support the copy against the standard, said hold-down arms being pivotally connected to the standard for swinging movement into and out of longitudinal alignment with the standard, the hold-down arms when aligned longitudinally with the standard being foldable therewith to the first named position of the standard, said hold-down arms when swung away from the standard diverging in a direction away from the first named end of the standard for engagement against a piece of copy at locations spaced transversely of the copy.

4. A typewriter copy holder adapted for connection to the paper table of a typewriter, comprising a standard; means for pivotally attaching said standard to the paper table for swinging movement of the standard between a horizontal position against the paper table and a vertical, use position in which it extends upwardly from the paper table; and collapsible frame means on the other end of the standard adapted for providing a back rest for a piece of copy to be typed, comprising a plurality of members pivotally connected to each other, said members being swingable about their respective pivotal connections between an inoperative position in which the several members are aligned longitudinally with the standard, for swinging with the standard to the first named position of the standard, and an operative position in which the members cooperate to provide a rectangular frame on the second named end of the standard.

5. A typewriter copy holder for attachment to a paper table of a typewriter, comprising a standard; clamp means at one end of the standard attachable to said paper table; a pair of hold-down arms pivotally connected to the standard by said clamp means, said hold-down arms being swingable about their pivot axis between an inoperative position in which they are longitudinally aligned with and are in superposed relation to the standard, and an operative position in which the hold-down arms diverge in a direction away from the clamp means, the standard being swingable upon said clamp means between an

inoperative position in which it extends horizontally along the paper table, and an operative position in which the standard projects upwardly from the paper table; and frame means on the other end of the standard, said frame means being foldable between an inoperative position in longitudinal alignment with the standard and an operative position in which the frame means is extended to be disposed in back of a piece of copy supported against the standard.

6. A typewriter copy holder for attachment to a paper table of a typewriter, comprising a standard; clamp means at one end of the standard attachable to said paper table; a pair of hold-down arms pivotally connected to the standard by said clamp means, said hold-down arms being swingable about their pivot axis between an inoperative position in which they are longitudinally aligned with and are in superposed relation to the standard, and an operative position in which the hold-down arms diverge in a direction away from the clamp means, the standard being swingable upon said clamp means between an inoperative position in which it extends horizontally along the paper table, and an operative position in which the standard projects upwardly from the paper table; and frame means on the other end of the standard, said frame means being foldable between an inoperative position in longitudinal alignment with the standard and an operative position in which the frame means is extended to be disposed in back of a piece of copy supported against the standard, the frame means comprising a series of members including a first member pivotally connected intermediate its ends to the standard, second members connected to said first member at the ends of said first member, and a third member connected to one of the second members, the several members being swingable about their respective pivotal connections into a position defining a substantially rectangular frame.

7. A typewriter copy holder for attachment to a paper

table of a typewriter, comprising a standard; clamp means at one end of the standard attachable to said paper table; a pair of hold-down arms pivotally connected to the standard by said clamp means, said hold-down arms being swingable about their pivot axis between an inoperative position in which they are longitudinally aligned with and are in superposed relation to the standard, and an operative position in which the hold-down arms diverge in a direction away from the clamp means, the standard being swingable upon said clamp means between an inoperative position in which it extends horizontally along the paper table, and an operative position in which the standard projects upwardly from the paper table; and frame means on the other end of the standard, said frame means being foldable between an inoperative position in longitudinal alignment with the standard and an operative position in which the frame means is extended to be disposed in back of a piece of copy supported against the standard, said frame means comprising a cross member pivotally connected intermediate its ends to the other end of the standard, a pair of side members pivotally connected at one end to the respective ends of the cross member, and a top member pivotally connected at one end to one of said side members, said top member and the other side member overlapping at their free ends for insertion of a piece of copy therebetween, the top member being of a slightly springable material so as to exert a pressure against the piece of copy tending to hold the same against said other side member.

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