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S. E. VIEW ET AL

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AUXILIARY GRIPPING ATTACHMENT FOR TYPEWRITERS

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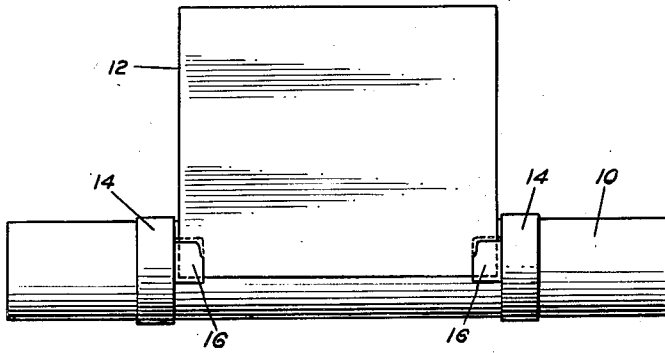


FIG. 1

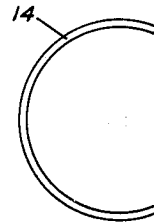


FIG. 2

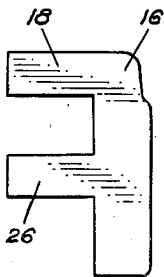


FIG. 3

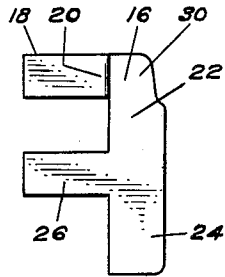


FIG. 4

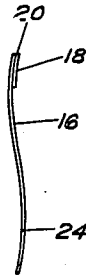


FIG. 5

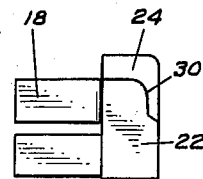


FIG. 6

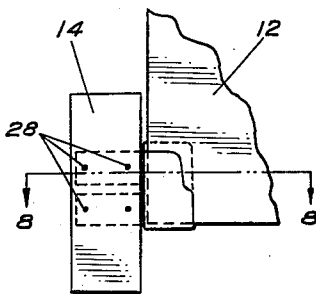


FIG. 7

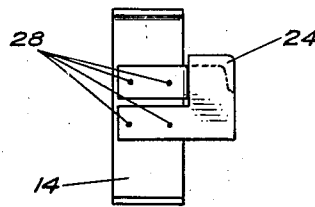


FIG. 9

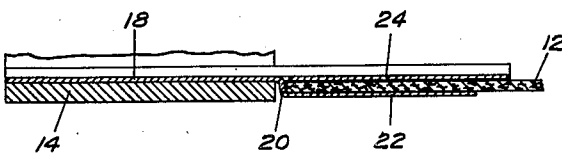


FIG. 8

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AUXILIARY GRIPPING ATTACHMENT FOR
TYPEWRITERS

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5 Claims. (Cl. 197—136)

This invention relates to a new and improved auxiliary gripping attachment for typewriters and has for one of its principal objects the provision of clips easily clasped to a typewriter platen for the express purpose of securely gripping a card or other small size sheet.

An important object of this invention is to provide an attachment for typewriters that firmly holds a card or the like and prevents it from slipping either in a sidewise direction or in an up and down direction, thus permitting the typing of a line immediately adjacent to either the bottom or top of the card.

Another important object of this invention is the provision of detachable card holding devices for typewriters that make for an evenly typed card or the like and regardless of the number of cards that are typed the margins will all coincide and so present a uniformity impossible to obtain otherwise.

A still further important object of this invention is to provide a card or label holding attachment for typewriters to enable the operator to write on the lowermost line of the card or label without it falling out or becoming twisted and yet allow writing on the entire card or label and also allow complete turning of the typewriter platen or roll in a normal forward direction without any ill effects to the attachment, to the roll or to other adjacent parts of the typewriter.

Other and further important objects of the invention will be apparent from the disclosures in the accompanying drawing and following specification.

The invention, in a preferred form, is illustrated in the drawing and hereinafter more fully described.

In the drawing:

Figure 1 shows a front view of a typewriter roll or platen with the auxiliary gripping attachments of this invention clasped thereto and a card positioned therein.

Figure 2 is a side view of the C shaped clasping element.

Figure 3 is a plan view of the card clip before it is shaped and bent upon itself.

Figure 4 is a plan view of the card holding clip after it has been shaped and before it is bent.

Figure 5 is a side view of the clip as shown in Figure 4.

Figure 6 is a plan view of the completed card securing clip ready for fastening to the C shaped clasping element as shown in Figure 2.

Figure 7 is a front view of the assembled auxiliary card or label gripping attachment.

Figure 8 is a sectional view of the device taken on line 8—8 of Figure 7.

Figure 9 is a back view of the assembled device of this invention.

As shown in the drawing:

The reference numeral 10 indicates generally a typewriter roll or platen which is usually made with a metal core surmounted by a rubber covering. A standard typewriter is equipped with numerous gripping devices that hold the paper or other material to be written upon in a firm position, provided, that the paper or other material is large enough to have a good portion of it underneath the roll in contact with these standard gripping devices. When typing is desired on a card or label or some other small piece of writing material these standard gripping devices fail miserably to perform their function. The card is rolled around the platen to the desired point and typing is begun. Nine times out of ten the card slips and the line of typing is on a diagonal. For some purposes a crooked line of typing cannot be tolerated and it was with this in mind that the auxiliary gripping attachment of this invention was perfected. Visible record files wherein the bottom line of numerous cards are the index to valuable information must have the typing on the bottom lines of these cards perfectly uniform and horizontal in order to expedite searches through these files.

As shown in Figure 1, two attachments are preferably used to support a card 12 or the like by its lower extreme corners. The two attachments are the left and right respectively and for convenience the left hand clip is shown in the drawing in detail. The right hand clip will be the opposite of the left one shown. The roll or platen C shaped clasps 14 can be made of a spring steel or other material of substance that has the desired elasticity and strength. These clasps are adapted to snap onto the typewriter platen or roll and will remain on the platen as long as it is turned in a forward or feeding direction. The removal of the clasps 14 is accomplished by a rotation of the platen in a backward direction.

The actual card holding left hand clip is shown in its successive production steps in Figures 3, 4-5, and 6. Figure 3 shows a plan of the blank from which the clip 16 is made. In this form it has the shape of a reversed F, whereas the right hand clip will take the shape of a regular F,

The first operation performed upon the blank reversed F shown completed in Figures 4 and 5 is the offsetting downwardly of the upper arm 18 along the line 20, and at the same time the forming of the upper half of the blank 22 into a convex curve and the lower half 24 into a concave curve. This insures proper curvature around the platen.

As best shown in Figure 6 the lower half 24 of the reversed F blank has been turned down and up to a position adjacent the upper half 22. The arms 18 and 26 lie in the same plane because the arm 18 is offset rearwardly along the line 20. These clips are made from an extremely thin stock of steel or other suitable material, and when the arms 18 and 26 are welded or otherwise fastened to the clasp 14 as best shown in Figures 7 and 9 at 28 it makes no appreciable change in the thickness of the clasp element 14 which must necessarily be of a sturdy elastic material to maintain a constant grip on the typewriter platen. The relation of the clasp element and clip must be such that the thickness of the clasp will not injure any part of the typewriter, but at the same time should be thick enough to protect the clip. After the card is inserted in the clip it is for all intent and purposes flat against the platen because the clip is of such a thin material.

Figure 7 shows the entire device with a card 30 inserted into the clip 16. The upper and lower halves of the reversed F blank form the front and rear respectively of the receiving pocket of the clip. The lower corner of the card fits down into this pocket easily because the upper or front half 22 has its upper corner trimmed as shown at 30. The card has its side flush with the offset along line 20 as best shown in Figure 8. It is this offset along with the side of the clasp 14 that prevents sidewise movement of the card 40 at 30. Figure 8 is enlarged to clearly show how the card sets in the clip 16.

There have been numerous attempts to make a device of this type, but none have proven successful. It is the simplicity which renders the device of this invention far superior to its predecessors. The clip portion of the device is made separately to maintain thinness of the device. If the clip were to be struck out from the clasp material it would add so much to the thickness as to prevent the platen from rotating.

Two attachments are generally used, one for the left side and one for the right side. They are snapped on the typewriter roll or platen at any desired separated distance to accommodate any size card or label. With very little practice it is possible to obtain speed and accuracy in applying these. Once the attachments are on, and similar size cards are being used, it is impossible to get anything but a uniform margin on all the cards and never any diagonal or untrue lines. It is entirely possible to use only one attachment successfully for small labels or the like where not much strain is put on the attachment. In fact, the pocket portion of the clip can be made much wider if it is desired to

use only one clip. The wider the pocket portion is made the more securely the card is held.

It is believed that herein is provided a very useful article that can be manufactured quite economically. Anyone that uses a card file will find this device an aid in the writing up of the cards. All druggists that make prescription labels will welcome such a good auxiliary gripping attachment.

We are aware that many changes may be made and numerous details of construction varied throughout a wide range without departing from the principles of this invention, and we, therefore, do not propose limiting the patent granted hereon otherwise than as necessitated by the prior art.

We claim as our invention:

1. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip attached to the clasp, the clip composed of front and rear members and each of the front and rear members having arms attached to the clasp.

2. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip, the clip composed of front and rear members and each of the front and rear members having arms welded to the clasp and the front and rear members formed from one piece of material and continues around the bottom and open at the top for the reception of writing material.

3. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip, the clip composed of front and rear members spaced from each other and each of the front and rear members having arms welded to the clasp and the front and rear members formed from one piece of material and continuous around the bottom and open at the top for the reception of writing material and the front member arm offset rearwardly into the plane of the rear arm.

4. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip, the clip composed of front and rear members spaced from each other and each of the front and rear members having arms welded to the clasp and the front and rear members formed from one piece of material and continuous around the bottom and open at the top for the reception of writing material and the front member arm offset rearwardly into the plane of the rear arm and the clip curved to follow the contour of the platen.

5. An auxiliary gripping attachment for typewriters comprising a C shaped spring platen clasp and a clip attached to the clasp, the clip composed of front and rear members and each of the front and rear members having arms attached to the clasp, and the clasp element thick enough to extend out slightly above the clip and so act as a protection for the clip.

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