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LABEL HOLDER

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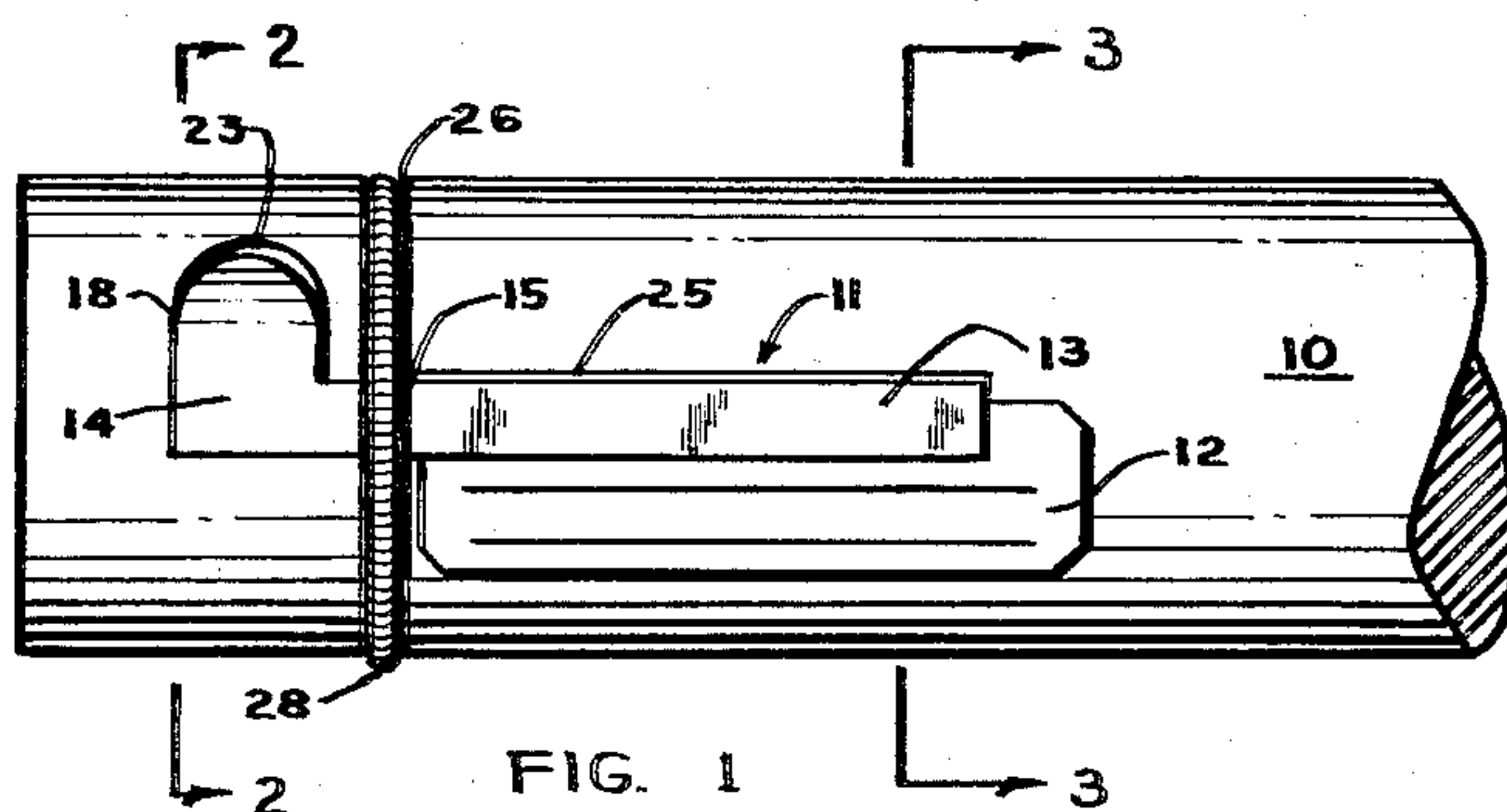


FIG. 1

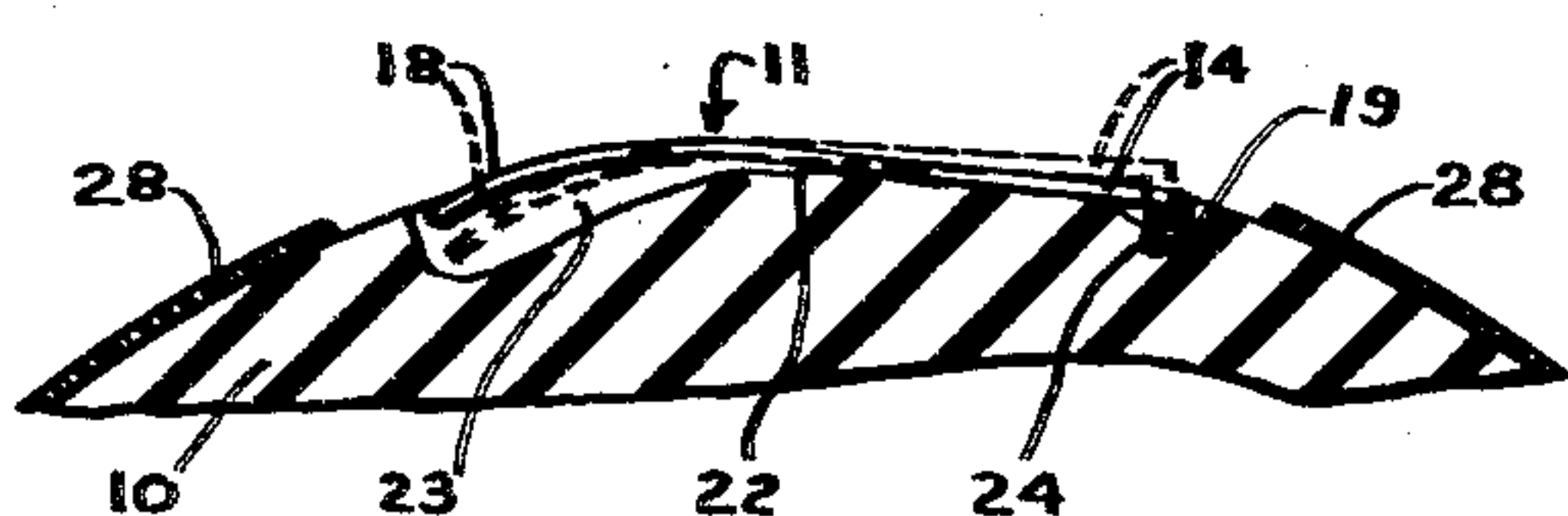


FIG. 2

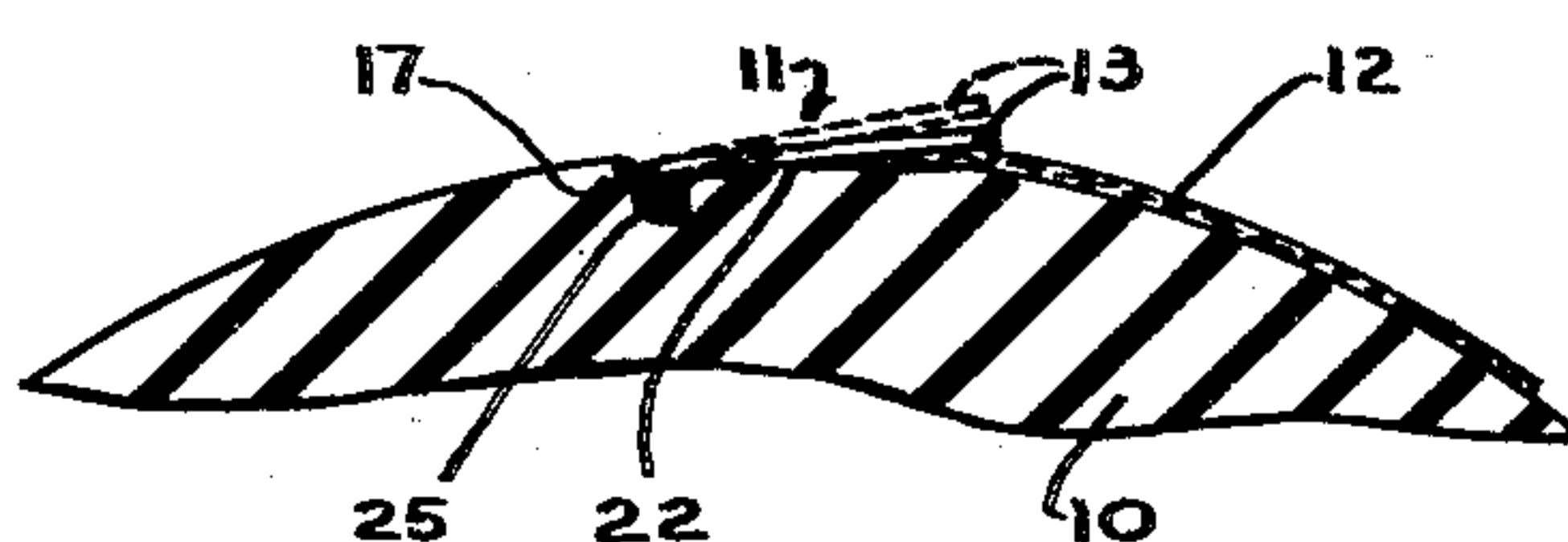


FIG. 3

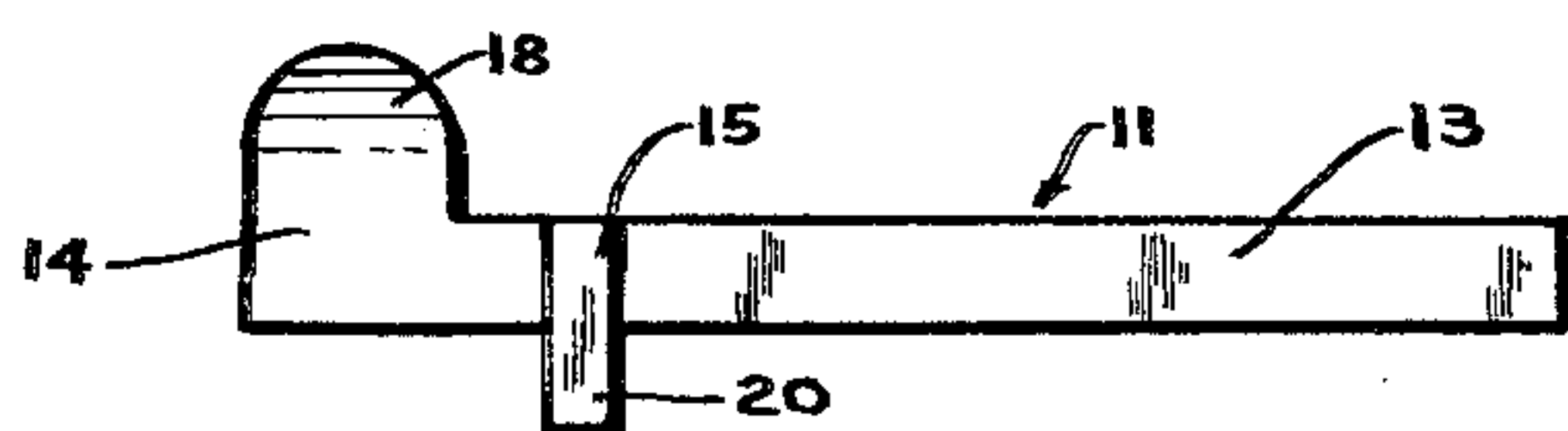


FIG. 4



FIG. 5

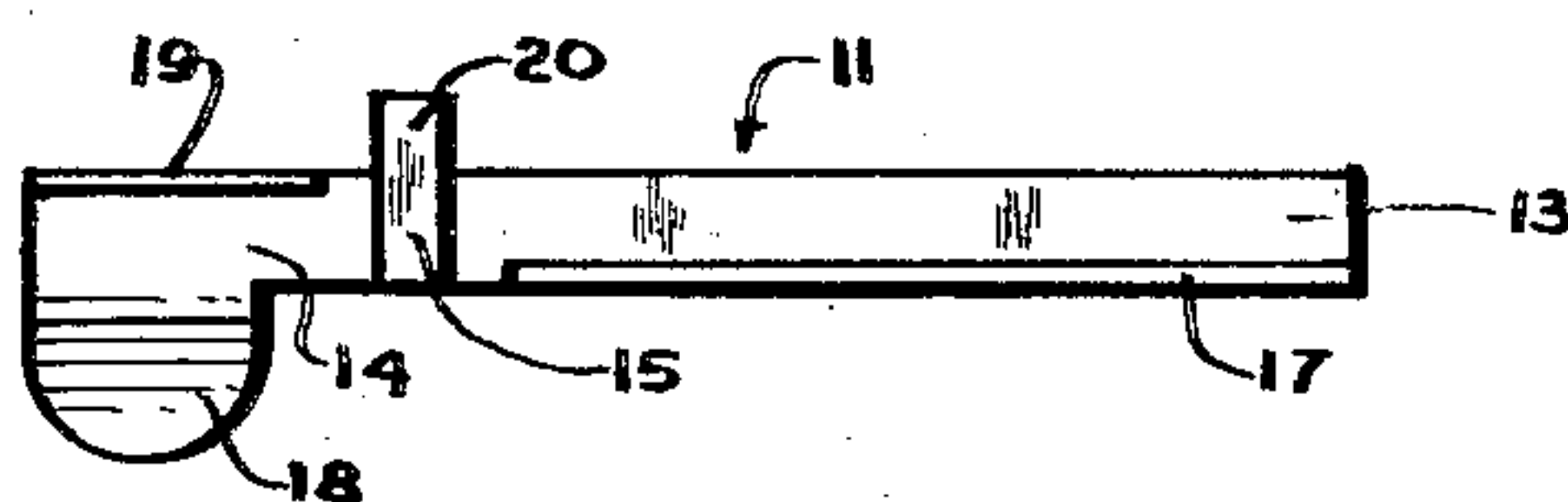


FIG. 6

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This invention relates to a label holder and more particularly to an improved label holder for a typewriter platen.

One object of this invention is to provide a label holder for a typewriter platen which is adapted to be a permanent part of the platen, and which does not obstruct the normal use of the platen.

Another object of this invention is to provide a label holder for a typewriter platen which is normally resiliently biased against the platen to hold a label thereon, and which is provided with means for pivoting the holder about a longitudinal axis to release the label from the platen.

A further object of this invention is to provide an elongated label holder resiliently mounted within a groove in a typewriter platen with the longitudinal axis of the holder parallel to the axis of the platen, the outer surface of the holder being substantially flush with the outer surface of the platen in normal position.

Another object of this invention is to provide a label holder for a typewriter platen which is of simple and economical construction, and which is adapted to be a permanent part of a typewriter platen.

Another object of this invention is to provide a label holder which may be included as a part of the original typewriter platen or may be subsequently installed as an accessory in an existing platen.

Further objects and advantages of this invention will be apparent from the following description taken in conjunction with the drawings, wherein:

FIG. 1 is a top plan view of the invention holding a label on a typewriter platen;

FIG. 2 is a section taken along the line 2-2 of FIG. 1;

FIG. 3 is a section taken along the line 3-3 of FIG. 1;

FIG. 4 is a top plan view of the label holder;

FIG. 5 is a front elevation of the label holder; and

FIG. 6 is a bottom plan view of the label holder.

FIG. 1 discloses a conventional rotary cylindrical platen 10 adapted to be used upon any standard typewriter. Mounted on the platen 10 is the label holder 11, made in accordance with this invention, and disclosed holding a label 12 against the platen 10 in typing position.

The label holder 11 is a substantially flat elongated member having a thin, rectangular, plate-like, label-engaging finger 13 and a key or lever portion 14, separated by a substantially U-shaped depending bent portion or recess 15 disposed transversely of the member 11.

A depending flange 17 is formed substantially the length of the rear edge of the finger 13 and forms a fulcrum about which the entire member 11 is pivoted. The lever portion 14 is provided with an integral arcuate key tab 18 which extends transversely of the member and rearwardly beyond the flange 17. The forward edge of the lever portion 14 comprises another depending flange 19 which acts as a stop to limit the downward pivotal movement of the member 11. The recess 15 is provided with a forwardly extending tongue 20.

To assemble the label holder 11 upon the platen 10, a groove 22 of substantially the same configuration as the member 11 is formed in the surface of the platen 10. The groove 22 is provided with a deeper recess 23, disclosed in FIG. 2, to provide for the pivotal movement of the key tab 18 when depressed. The groove 22 is also provided with a deeper recess 24 (FIG. 2) to receive the forward stop element 19 in normal position, and also

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a longitudinal deeper recess 25 (FIG. 3) to receive and act as a bearing for the depending fulcrum flange 17. Moreover, a circumferential groove 26 of uniform cross section is formed in the platen 10 transversely of the groove 22, and is of sufficient depth to receive the recessed portion 15 and tongue 20. With the label holder 11 properly seated in the groove 22, an endless coiled spring 28 is slipped over one end of the platen 10 and seated in the circumferential groove 26 around the recess 15 and over the tongue 20, to resiliently bias the label holder 11 to its normal label-retaining position, as disclosed in FIG. 1 and by the solid-line positions of FIGS. 2 and 3. The depths of the grooves 22 and 26 and the various recesses 23, 24, and 25 are such that the upper surface of the entire member 11 is substantially flush with the outer surface of the platen 10, when the label holder 11 is pivoted to its forward, label-holding position. Thus, when the label holder 11 is not being employed, the platen 10 may still retain a substantially cylindrical surface throughout and may be employed for normal typewriting use.

The operation of the invention is best disclosed in FIGS. 1-3. With the label holder 11 properly seated in the groove 22 and the coiled spring 28 in position in the circumferential groove 26, the spring 28 resiliently biases the label holder 11 toward its solid-line position in FIGS. 2 and 3, by virtue of the leverage of the spring 28 against the tongue 20 to pivot the label holder about the flange 17 as a fulcrum. By manually depressing the tab 18 into its recess 23 to pivot the member 11 about the longitudinal flange 17 bearing against its respective recess 25, the tongue 20 will swing upward to force the spring 28 away from the groove 26 and pivot the finger 13 upward away from the groove 22, as indicated in the dashed-line positions of FIGS. 2 and 3. With the tab 18 depressed, the label 12, or any other sheet of material to be typed, may be slipped beneath the raised finger 13. By releasing the tab 18, the spring 28, biasing downward against the tongue 20, will cause the finger 13 to force the upper edge of the label 12 down against the groove 22 and the surface of the platen 10.

It will be understood that the combination of the strength of the spring 28 and the length of the tongue 20 will be sufficient to retain the finger 13 against the label 12 without danger of the label slipping during the typing operation. Moreover, the distance the tab 18 extends beyond the fulcrum flange 17 is sufficient that pressure may be comfortably applied with one finger in order to raise the finger 13 and release and insert a label 12.

The simple one-piece structure of the member 11 provides economy in manufacturing as well as ease in installing the device upon the conventional platen 10. The grooves 22 and 26 may be carved out of a conventional platen 10, or they may be formed in the original manufacture of the platen. With the proper grooves formed in the platen, the assembly amounts to no more than placing the label holder 11 in the groove 22 and slipping the coiled spring 28 over the end of the platen to seat in the recess 15 and the circumferential groove 26.

It will be apparent to those skilled in the art that various changes may be made in the invention without departing from the spirit or scope thereof, and therefore the invention is not limited by that which is shown in the drawings and described in the specification, but only as indicated in the appended claims.

What is claimed is:

1. The combination with a typewriter platen, of a label holder comprising a substantially flat elongated member, means for resiliently holding said member against said platen with the longitudinal axis of said member disposed substantially parallel to the axis of said platen,

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a fulcrum flange depending from one longitudinal edge of said member to permit pivotal movement of said member about said flange toward and away from said platen, and lever means for pivoting said member.

2. The combination with a typewriter platen, of a label holder comprising a substantially flat elongated finger, a fulcrum flange depending from one of the longitudinal edges of said finger, a lever at one end of said finger extending beyond the flanged edge of said finger, a groove in said platen of substantially the same shape and adapted to receive said finger and said lever so that the outer surfaces of said finger and lever will be substantially flush with the outer surface of said platen and to permit said finger to be pivoted toward and away from said platen about said flange by means of said lever, and means for resiliently holding said finger in said groove.

3. The combination with a typewriter platen, of a label holder comprising a thin elongated plate-like member, a flange depending from one longitudinal edge of said member, an arcuate key adjacent one end of said member extending transversely beyond the flanged edge of said member, a groove in said platen for receiving said member and said key to permit pivotal movement of said

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member about said flange away from said platen upon depression of said key, a transverse recess in said member, and an endless coiled spring seated in said recess and extending circumferentially of said platen for resiliently biasing said member against said groove.

4. The invention according to claim 3 in which the edge portion of said member opposite said key comprises a second depending flange to limit the pivotal movement of said member.

5. The invention according to claim 4 in which said groove is adapted to pivotally receive said member and key so that the outside surfaces of said member and key are substantially flush with the outer surface of said platen and in which the portion of said groove beneath said key is deeper than other portions of said groove to permit the depression of said key.

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