United States Patent

[11] 3,597,802

[72] Inventor **Larrie D. White**
136 E. 3rd South, Logan, Utah 84321

[21] Appl. No. **872,986**
[22] Filed **Oct. 31, 1969**
[45] Patented **Aug. 10, 1971**

[54] **WRITING IMPLEMENT HOLDER**
7 Claims, 11 Drawing Figs.

[52] **U.S. Cl.** ..... **24/11 CT**
[51] **Int. Cl.** **B43k 25/00**
[50] **Field of Search** 24/3, 10, 11

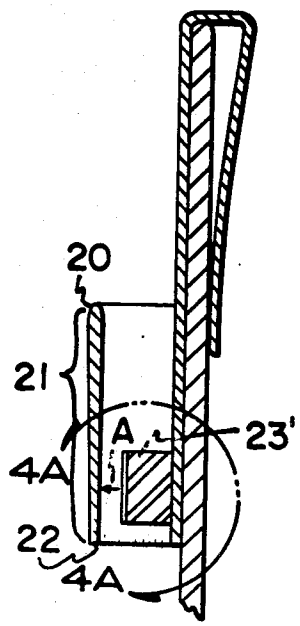
[56] **References Cited**

UNITED STATES PATENTS

989,213	4/1911	Wahl	24/3 E
1,566,195	12/1925	Gandrau	24/3 E
2,366,457	1/1945	Pinkham	24/10 R X
2,654,130	10/1953	Lundberg	24/10 R
2,697,258	12/1954	Uyal	24/10 R
2,941,268	6/1960	Morse	24/3 J X
3,032,244	5/1962	Zeabari	24/3 E X
3,104,435	9/1963	Beuck	24/10 R

Primary Examiner—Donald A. Griffin
Attorney—M. Ralph Shaffer

ABSTRACT: The present invention comprises a writing implement holder having a front plate provided with a holder yoke and a clip portion contiguous with and cooperably associated with the front plate, whereby the implement may be attached to a book. The holder yoke is advantageously tapered for proper clip reception and retention. The writing implement holder includes resilient means having separated resilient portions which cooperate with respective ones of writing implements inserted in the holder so as to frictionally retain the same in place in stored position. Independent operation of the individual resilient portions preclude insertion of additional implements from affecting retention of implements previously stored in the holder. Individual portions of the resilient means may comprise fingers, resilient pad portions, or equivalent means.



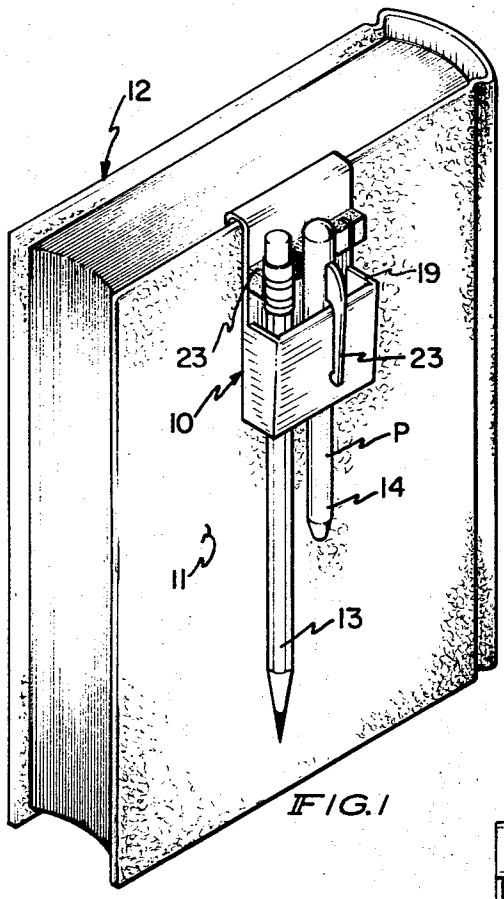


FIG. 1

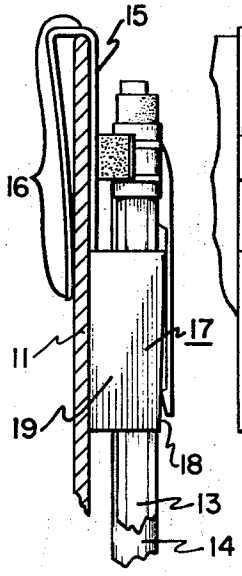


FIG. 2

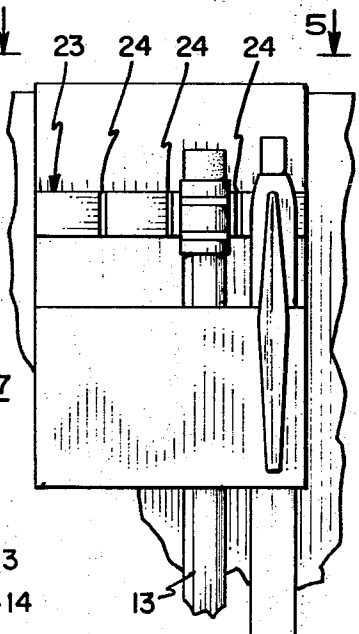


FIG. 3

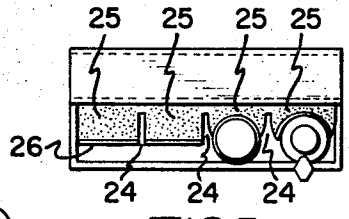


FIG. 5

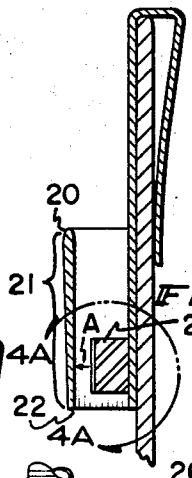


FIG. 4

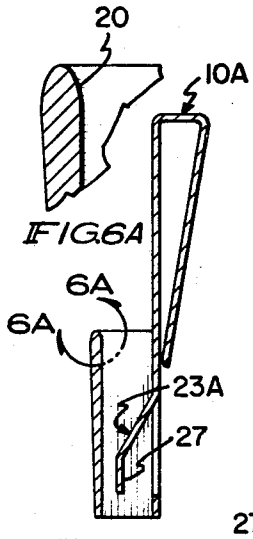


FIG. 6A

FIG. 6

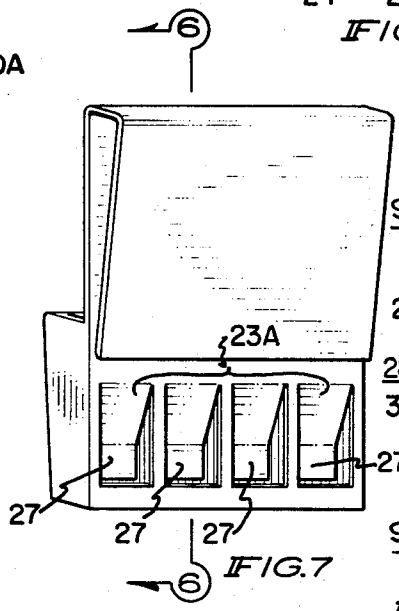


FIG. 7

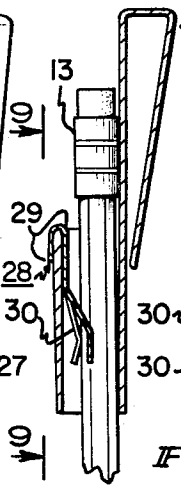


FIG. 8

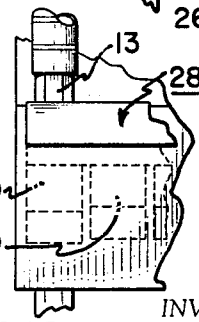


FIG. 9

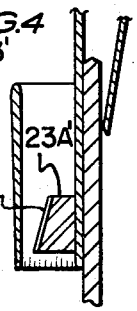


FIG. 4A

INVENTOR.
LARRIE D. WHITE
BY
ATTORNEY

WRITING IMPLEMENT HOLDER

The present invention relates to writing implement holders for attachment to books and like devices and, more particularly, to a new and improved writing implement holder wherein the insertion of additional writing implements such as pens and pencils will not disturb retention if implements previously inserted in the holder for storage.

In the past, a number of different types of writing implement holders have been designed for attachment to writing boards, tablets, books and so forth. Various types of means such as rubber bands have been used to provide some frictional retention of pens and pencils in their stored position within the selected holder. These have operated somewhat defficiently for users thereof. This is especially so wherein the user stores in his holder writing implements of measurably different cross-sectional diameters. For example, where is a single resilient means of uniform surface is used, such as a rubber band, then the insertion of pens and pencils of large diameter, to be retained by the rubber band, may alter or even remove frictional retention of writing implements of much smaller diameter. This is because the resilient means is urged by the implements of larger diameter to a position out of contact with those of smaller diameter. Correspondingly, if smaller diameter implements are first stored, then the subsequent positioning of implements of larger diameter will so space the resilient means from the previously stored implements that the same will tend to slip out of contact with the resilient means.

Further, prior devices have relied essentially upon writing implements having clips. The present device of the invention accommodates both pens and pencils, whether the same have or do not have the usual pocket clips.

Accordingly, a principal object of the present invention is to provide a new and improved writing implement holder.

A further object is to provide a writing implement holder which is designed to accommodate pens and pencils, whether the same have pocket clips or not.

An additional object is to provide a new and improved writing implement holder wherein the portion thereof accommodating the pocket clips of writing implements, where used, provides a cross section providing easy insertion of the clip over the mounting portion of the holder and also a camming or tapered cross section, such as to preclude the inadvertent "riding up" and subsequent separation of the clip-implement with the holder.

A further object is to provide a writing implement holder having advantageously positioned resilient means, the latter being configured such as to provide separated resilient portions designed to cooperatively engage in desired frictional retention, respective ones of a selected number of writing implements.

An additional object is to provide in a writing implement holder, suitable resilient means of segmented construction whereby successive implements of writing implements of varying diameter can be accommodated.

The features of the present invention which are believed to be novel are set forth with particularity in the appended claims. The present invention both as to its organization and manner of operation, together with further objects and advantages thereof, may best be understood by reference to the following description, taken in connection with the accompanying drawings in which:

FIG. 1 is a view in reduced scale of the writing implement holder of the present invention in one form thereof, wherein the same has been clipped to the cover of a book.

FIG. 2 is an enlarged, fragmentary, partially sectioned view taken along the line 2–2 of FIG. 1.

FIG. 3 is a front elevation of the structure of FIG. 2.

FIG. 4 is a section view similar to FIG. 2, but with the holder facing in the opposite direction, and wherein the holder incorporates a resilient means spaced within the area defined by the holder yoke of the holder.

FIG. 4A is in enlarged detail and is taken along the arcuate line 4A–4A in FIG. 4.

FIG. 5 is a top plan of the structure of FIG. 3 and is taken along the line 5–5 in FIG. 3.

FIG. 6 is a sectional view similar to FIG. 4, is taken along the line 6–6 in FIG. 7, and illustrates an alternate form of resilient means retaining pens and pencils within the area defined by the holder yoke of the writing implement holder.

FIG. 6A is an enlarged fragmentary section taken along the arcuate line 6A–6A in FIG. 6.

FIG. 7 is a perspective view of the writing implement holder of FIG. 6, illustrating the individual resilient fingers of the construction provided to frictionally engage respective writing implements placed within the holder, for storage thereby.

FIG. 8 is a section view similar to FIG. 6 and illustrates a further embodiment of the invention wherein a separate clip is provided with separated fingers to releasable secure writing implements within the holder yoke portion of the writing implement holder.

FIG. 9 is a fragmentary view taken along the line 9–9 in FIG. 8.

In FIG. 1, the writing implement holder of the present invention is shown to be clipped over and thereby attached to an outside cover 11 of book 12. Holder 10 is shown as retaining pencil 13 and pen 14 in convenient, stored, positions and available for immediate withdrawal.

FIGS. 2—5 illustrate with particularity the construction of holder 10. The same is shown to be comprised of a front plate 15 having integrally formed clip portion 16 and holder yoke 17, integral therewith. It will of course be understood that in lieu of an integral moulded construction, clip portion 16 and/or holder yoke 17 may be formed as independent parts and thereafter attached by attachment, adhesive or other means, to front plate 15. At least clip portion 16 will be constructed to be resilient so as to permit the same to be placed over a margin of a book cover as seen in FIG. 1, such that the writing implement holder may be adequately releasably secured in place as indicated. Various grades of plastics such as polystyrene and polyethylene may be used to form clip portion 16, and, preferably, the entire structure of holder 10.

Holder yoke 17 will likewise be formed of a rigid plastic and includes front portion 18 and opposite side portions 19. For conveniently accommodating the clips generally associated with pens and other types of writing implements, holder yoke 17 may be provided with an upper, rounded, bullet-shaped cross section at leading edge 20. The latter is integral with an elongate tapered portion 21 which tapers inwardly toward the trailing or downward edge 22. Accordingly, pens having clips as at 23 may be easily attached to the front portion of holder yoke 17, by the same conveniently slipping over the rounded upper edge 20 of the holder yoke, with the user thereafter advancing the pen P downwardly. It is noted that the gradually tapered cross section at 21 tends to retain the pen in stored position, and the inclined-plane feature of portion 21 will prevent the pen and clip combination from "riding up" portion 21 so as to inadvertently slip out of contact with front portion 18.

Of special importance is the inclusion of resilient means 23. See FIG. 3. In this regard, the same preferably comprises an elongate bar of resilient material such as polyethylene foam, such resilient means preferably having mutually spaced slits 24. Such slits define respective resilient portions 25 which are independently compressible upon the insertion of pen or pencil means, as the case may be. In a preferred form of the invention, each of the resilient portions 25 include outer surface layer 26 that can comprise a fabric oil cloth material, or other plastic, presenting, preferably, a relatively slick outside surface. Where the resilient means 23 is made of a foam or even a sponge rubber material, there may exist an undesired increase in frictional properties as between the resilient means 23 and the pens and pencils to be engaged thereby. In such event, it is desirous that a relatively smooth surface be present to engage the pens and pencils properly. Such surface layers 26 may be

conveniently cemented or otherwise caused to adhere to the outer surfaces of the individual resilient portions 25.

The resilient means of course may be completely slitted through, so that the same comprises individual, separated resilient portions. In the preferred form of the invention and for manufacturing purposes, however, it is desired that resilient means simply comprising an elongate bar of resilient material such as foam, polyethylene or polyurethane, with the same being slit at areas 24 to provide forward separated portions 25 of such resilient means. It is most important to note, see FIG. 5, that such portions are independently compressible and that the compression in one will not alter the configuration of another. In this way, one may install larger pens and pencils in remaining vacant areas of the holder of the present invention, without chancing a release of the pens and pencils already inserted and retained by the holder and which may be of smaller diameter. Such would not be the case or advantage were a single resilient means presenting a single surface area employed in the clip construction.

FIG. 4 illustrates that resilient means 23 may be located at 23', completely within the holder yoke. In such event, the resilient force is directed outwardly as shown by the arrow A, such force being available to frictionally retain pens and pencils in position. FIG. 4A illustrates that the resilient means at 23A' may present an outer incline surface 26 so pens and pencils may be conveniently inserted in the holder and in such a manner that perforation and other deformation of the resilient means by the writing implement is not chanced to occur.

In the FIG. 6 holder embodiment 10A, the resilient means 23A takes the form of a plurality of resilient fingers 27. These may be moulded directly into the structure of front plate 15 of FIG. 2, as desired. It is thus apparent, relative to FIGS. 6 and 7, that insertion of writing implements, such as pens and pencils, through holder 10A would result in a frictional retention of the same as produced by the independent resilient fingers 27. Special note is to be made that individual writing implements are and can be secured and can remain secured within the holder yoke of a holder of FIG. 6 and 7, even while other implements, conceivably of large diameter, are being inserted at other positions. Whatever form the resilient means takes, the central axes of individual segments or portions thereof should be spaced apart a distance roughly equivalent to the outside diameter of the largest writing implement contemplated to be accommodated by the holder.

FIG. 6A is an enlarged fragmentary view of the upper or leading edge of the holder, indicating the rounded configuration thereof, to accommodate easy insertion of pen clips thereover. This portion again will be similar to edge 20 in FIG. 4 and is so numbered in FIG. 6A.

FIGS. 8 and 9 illustrate another form of the invention wherein the basic holder 10 of the present invention, instead of incorporating the resilient means 23 in the manner shown in FIGS. 1 and 3, this time includes a clip 28 having a front, doubled-back portion 29 and a series of resilient finger segments 30, the finger segments 30 being designed for individual retention of writing implements disposed within the clip area as seen in FIG. 8. Of course, the fingers 30 in FIG. 8 may be integral portions or front portion 18 of the holder yoke 17 of FIG. 2 where desired. This is to say, the fingers as shown in FIG. 7, for example, may extend inwardly either from the front plate 15 of the holder as seen in FIG. 2, or from the front portion of the holder yoke 17 rearwardly.

Whatever form of the present invention is used, it is apparent from the above description that the individual resilient means provide for a resilient frictional retention of writing implements, accommodated by the holder. Most important, writing implements are individually retained by the respective resilient portions of the resilient means of whatever form. In this way, insertion of larger diameter implements at other and adjacent areas within a particular holder, for example, will not deter or interfere with the frictional, resilient retention of writing implements previously inserted in the holder.

In operation, all of the embodiments of the invention perform in substantially the same manner. Writing implements are inserted in the holder in the manner shown in FIG. 1, and the resilient means used, of whatever form and wherever placed, is operable such that individual segments or portions thereof coact with and thereby engage individual ones of the writing implements so as to frictionally retain the same in the desired position. It is noted that substantially all writing implements will be accommodated, whether or not the same include individual clips.

While particular embodiments of the present invention have been shown and described, it will be obvious to those skilled in the art that changes and modifications may be made without departing from this invention in its broader aspects.

I claim:

1. A writing implement holder including, in combination a front plate, clip means connected to and disposed rearwardly of said front plate, and a holder yoke connected to and extending forwardly of said front plate and defining a writing implement receiving area therewithin, said writing implement holder including resilient bar means having slits forming plural, separately compressible portions thereof constructed to pressure-retain within said receiving area respective writing implements individually engaging ones of said portions.

2. The writing implement holder of claim 1 wherein said separately compressible portions of said resilient bar means each includes a friction-lessening surface layer constructed and positioned for engagement with a respective one of said writing implements.

3. A writing implement holder including, in combination, a front plate, clip means connected to and disposed rearwardly of said front plate, and a holder yoke connected to and extending forwardly of said front plate and defining a writing implement receiving area therewithin, said writing implement holder including resilient means comprising plural, separately compressible portions constructed to pressure-retain within said receiving area respective writing implements individually engaging respective ones of said portions, ans wherein said resilient means comprises a resilient bar member, said bar member being provided with mutually spaced slits oriented in a direction nominally that of intended placement of said writing implements when disposed for storage purposes through said receiving area of said holder yoke, said slits defining therebetween said plural, separately compressible portions.

4. Structure according to claim 3 wherein said resilient bar member is disposed transversely upon said front plate within said receiving area as defined by said holder yoke as aforesaid.

5. Structure according to claim 3 wherein said resilient bar member is affixed to said front plate in a transverse orientation and is disposed above said holder yoke.

6. Structure according to claim 3 wherein said separately compressible portions of said resilient means each includes a friction-lessening surface layer constructed and positioned for engagement with a respective one of said writing implements.

7. Structure according to claim 3 wherein said resilient means comprise a separate member secured to said holder yoke and having a plurality of inwardly extending, separate resilient fingers protruding within said receiving area as defined by said holder yoke as aforesaid.