Dec. 26, 1939. M. VERNON 2,184,823

LOOSE-LEAF BOOK AND PENCIL HOLDER

Filed Nov. 11, 1937

Fig. 1.

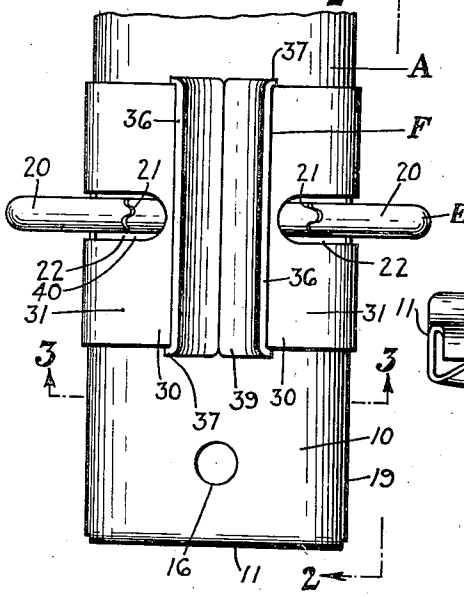


Fig. 2.

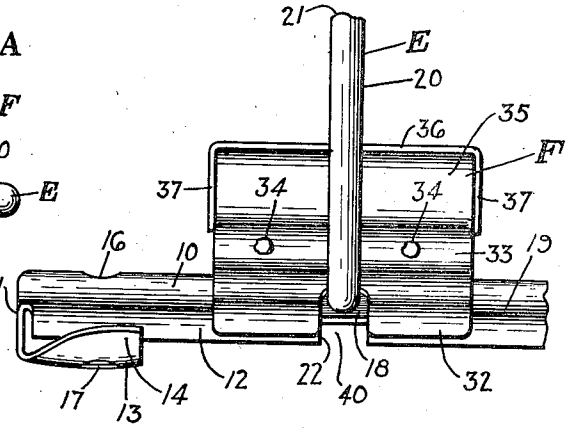


Fig. 3.

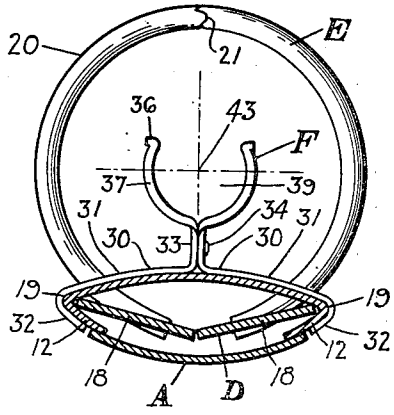


Fig. 4.

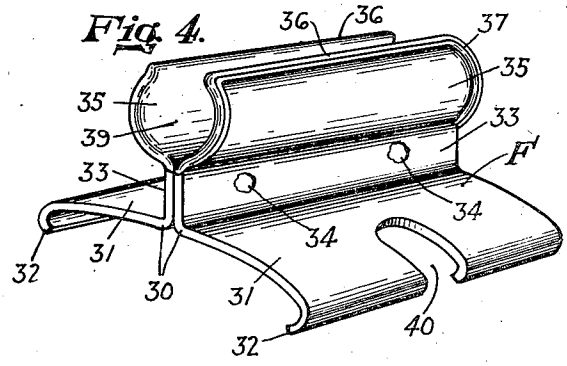
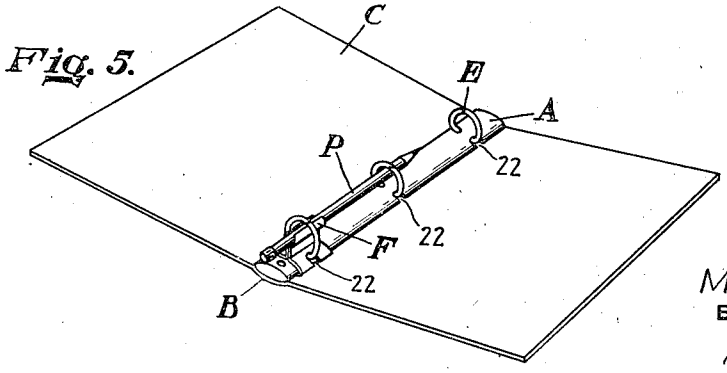


Fig. 5.



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LOOSE-LEAF BOOK AND PENCIL HOLDER

Murray Vernon, Greenwich, Conn.

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2 Claims. (Cl. 129—1)

The present invention relates to a loose leaf book and pencil holder combination.

It has not been conveniently possible to associate or combine pencil holders with the usual type of loose leaf books because the pencil holder, when placed upon the outside of the loose leaf book would be in an inconvenient position and would render the pencil subject to being knocked out of position upon handling of the loose leaf book, and when placed interiorly of the loose leaf book would interfere with the use and paging of such book.

It is, therefore, among the objects of the present invention to provide a loose leaf book and pencil holder combination in which the pencil holder may be compactly and unobtrusively combined with the loose leaf book without projection upon the outside and without interference with the insertion, removal or turning of pages in the loose leaf book.

Another object is to provide an inexpensive, readily operated durable combination of a pencil holder with a loose leaf book which may be utilized for long periods of time with considerable handling, without damage or injury, and which will insure the availability of the pencil in connection with the utilization of a loose leaf book without such pencil being positioned in such a manner as to interfere with handling or utilization of the book.

Other objects will be obvious or will appear during the course of the following specification.

In accomplishing the above objects, it has been found most satisfactory to apply a pencil holder to the steel back or frame, carrying the separable rings of the loose leaf book or binder in such a manner that the pencil will be positioned at the center line of the rings when closed.

The holder should preferably be separated centrally between the half sections of the rings in such a manner that it will not be affected by the opening or closing of the rings or by the operation of the snap mechanism.

The accompanying drawing shows one preferred embodiment of the present invention to which, however, the present invention is by no means restricted since many changes and modifications may be made therein;

Figure 1 is a top view of an end of a ring carrier frame with the ring halves separated and with the pencil carrier in position.

Figure 2 is a side view upon the line 2—2 of Figure 1.

Figure 3 is a cross section upon the line 3—3 of Figure 1.

Figure 4 is a top perspective view of the pencil carrier removed from or before attachment to the ring carrier.

Figure 5 is a perspective view of an opened loose leaf book including the ring carrier and showing the pencil carrier and pencil in place therein.

Referring to Figures 1 to 5, the metal carrier A is designed to be attached to the back B of a book C. The resilient cover plate of the carrier carries the snap elements D to which are attached the separable rings E.

The pencil holder F to which the present invention is most particularly directed is supported by the carrier A.

The carrier A preferably has a curved face portion 10 provided with the end flange 11 and the inturned side flanges 12. The end flange 11, carries an inturned flange 13, the corners of which project upwardly at 14 to overlie the side flanges 12. The openings 16 and 17 in the top portion 10 and the inturned flange 13 receive a fastener which may extend into the back B of the book C.

The snap plate elements 18 are carried between the curved face 10 and the inturned flanges 12 of the resilient cover plate and they press at their outer edges against the inside of the bends 19.

The halves 20 of the rings having the cooperating corrugated edges 21 are carried at their lower ends by the plate 18. The sides of the face 10 and the flanges 12 are recessed, as indicated at 22, so that the split ring sections 20—20 may be moved outwardly or inwardly as the case may be.

Loose leaves may be readily placed in said rings E when opened even with the pencil P in position as shown in Figure 5.

The pencil holder F to which the present invention is particularly directed, as shown in the embodiment of Figures 1 to 5, is made of two symmetrical sheet metal elements 30, having the cover portions 31 with the inturned edge flanges 32 to grip the frame element 10 and its side flanges 12, as best shown in Figure 3.

The pencil holder is provided with upstanding contacting portions 33 which are spot welded together, as indicated at 34. The continuation of the upstanding vertical portions 33 is turned outwardly, as indicated at 35 with out-turned edges as indicated at 36 and 37. The opening 39 between the elements 35 is slightly smaller than the pencil P so that the curved walls 35 will be pressed apart and will resiliently grip the pencil

and prevent its displacement when in the position indicated in Figure 5.

In the construction as shown in Figures 1 to 5, the pencil P may be readily inserted and removed from the loose leaf book and the loose leaves may be turned without interfering with the pencil holder F and without conflict with either the pencil P or the curved walls 35 between which said pencil is gripped.

The openings 40 in the base portions 31 and 32 of the holder of Figure 4 correspond to the openings 22 in the frame structure A and enable movement of the rings attached to the snap plate elements 18.

By providing the base of the pencil clip with the openings 40, which co-act with the ring halves, the pencil clip is secured in a fixed position on the top plate 10 of the binder mechanism and any longitudinal movement of the clip toward the center of the binder is prevented. This construction dispenses with the necessity of welding or otherwise fastening the clip to the top plate of the binder mechanism and materially lessens the cost of applying the clip to the binder mechanism.

In order that the pencil gripping means does not interfere with the free movement of the turning leaves of the filler when the binder is opened and closed, it is desirable to have the gripping means or pencil holder raised above the base plate of the clip. Accordingly, I have provided the support 33, which elevates the pencil holder so that the leaves in the filler do not abut against the gripping means but are free at all times to freely turn about the gripping means. If the gripping means 35 were flush against the base plate 31, the leaves would jam beneath the curved section 35 and tear. An additional advantage of having the gripping means raised above the base plate of the clip is that the pencil, when incorporated in the grip, is more accessible to the user and may be much more easily withdrawn and inserted.

The holder F, as shown, is arranged along the axis 43 of the ring structure E or concentrically in respect to the ring structure E, and adjacent one end of the structure A and inside of the end split ring in the manner indicated over the element F in Figure 3.

It is thus apparent that the applicant has provided an inexpensive, compact arrangement to be applied to loose leaf books, preferably having a ring size greater than three-quarters of an inch diameter and desirably having a ring size of at least one inch diameter.

The pencil receiving element preferably has a diameter varying between one-quarter to one-half inch with an optimum of three-eighths of an inch.

It is apparent that the specific illustrations shown in the drawing have been given by way of example and not by way of limitation, and that the structure above described is subject to wide variation and modification without departing from the scope or intent of the invention, all of which variations and modifications are to be included within the scope of the present invention.

What is claimed is:

1. A pencil clip for a ring binder comprising a metallic member shaped to conform to the contour of the top plate of a binder mechanism, having its edges inturned for securing the same to the binder mechanism, said member having two openings therein for the ring halves of the binder ring to pass through to retain the clip in fixed position on the top plate of the binder mechanism, and gripping means on said metallic member to hold a pencil or the like.

2. A pencil clip for a ring binder comprising a metallic member shaped to conform to the contour of the top plate of a binder mechanism, having its edges inturned for securing the same to the binder mechanism and having two openings therein for the ring halves of the binder ring to pass through to retain the clip in fixed position on the top plate of the binder mechanism, and gripping means on said metallic member to hold a pencil or the like a suitable distance above said top plate so as to be concentrically arranged with the center of the ring halves of a binder ring when in closed position.

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