

March 7, 1933.

A. FELDER

1,900,601

LOOSE LEAF BOOK

Filed May 19, 1932

Fig. 1.

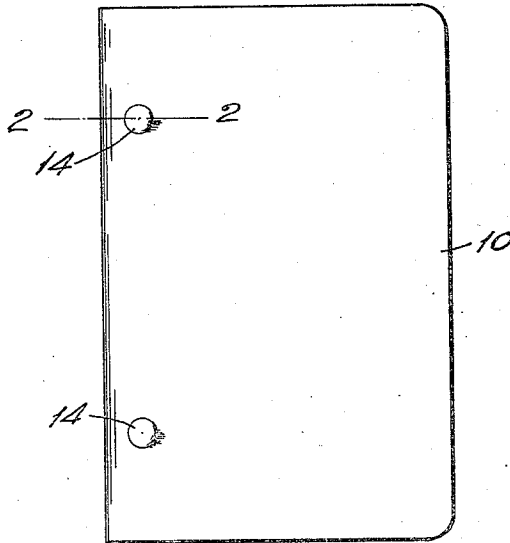


Fig. 2.

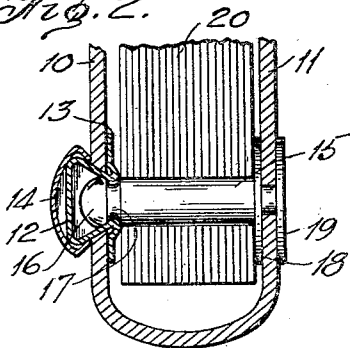


Fig. 3.

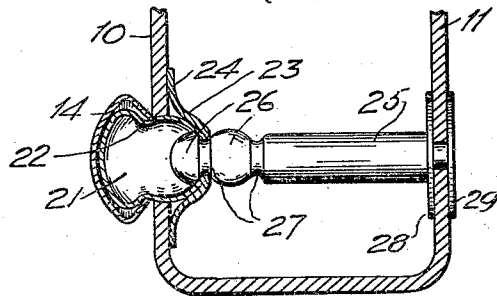
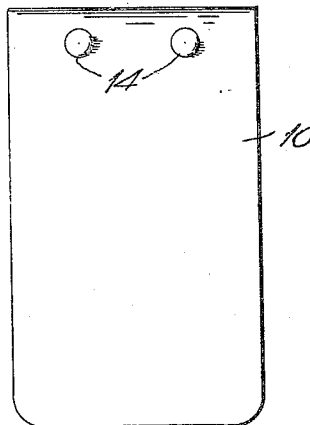


Fig. 4.



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LOOSE LEAF BOOK

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This invention relates to loose leaf books and has special reference to leaf-holding means for such books.

One important object of the invention is to provide a novel and improved quick acting leaf-holding means for loose leaf books.

A second important object of the invention is to provide a novel leaf-holding means of the snap button type for such books.

A third important object of the invention is to provide a snap button arrangement for holding the leaves of loose leaf books wherein the plunger or button part of the device has its stem formed as an elongated cylinder to accommodate a number of leaves.

A fourth important object of the invention is to provide a novel arrangement of snap button parts in such a book whereby the effective length of the button shank may be varied to suit different numbers of leaves.

With the above and other objects in view as will be hereinafter apparent, the invention consists in general of certain novel details of construction and combinations of parts hereinafter fully described, illustrated in the accompanying drawing and specifically claimed.

In the accompanying drawing like characters of reference indicate like parts in the several views, and:

Figure 1 is a face view of the front cover of a side opening loose leaf book constructed in accordance with this invention.

Figure 2 is an enlarged detail section on the line 2—2 of Figure 1.

Figure 3 is a view similar to Figure 2 but showing a modification of the device.

Figure 4 is a view similar to Figure 1 but showing an end-opening book.

In the embodiments of the invention the leaf holders are shown as used in connection with a book having its front cover 10 and rear cover 11 formed of a single piece of flexible material such as leather, imitation leather or any other material commonly used for like

purposes, the invention not being restricted to the use of any specific material or materials for the cover.

To the front cover is secured two or more snap button sockets which, in the form shown in Figure 2, may be of any ordinary construction. As here shown, each socket consists of an inner member having a hollow body 12 opening towards the rear cover through a constricted neck portion and this open end is provided with a flange 13 which lies against the inner face of the front cover. The body 12 projects through the cover and a cap 14 is swedged thereon to form a hollow rivet on the outer face of the front cover and thus hold the socket securely in position. In this form of the invention the plunger or button member has an elongated shank 15 of smoothly cylindrical form. At one end of the shank there is provided a head 16 of substantially the same diameter as the shank and defined from said shank by a constricted neck 17. The head is slightly larger than the opening in the socket, the latter being preferably split in the usual manner to allow the head to enter and be held by the elasticity of said socket. The button member is hollow, being preferably formed from stamped sheet metal and at its remaining end is provided with a flange 18 which rests against the inner face of the back cover and through this cover extends the shank of a rivet 19 which holds the button member firmly in place. The leaves 20 are held on the shank 15 and, when the head 16 is inserted in the socket 12, the leaves are secured in such manner that only by forcing the button head from the socket can the parts be separated and the leaves removed.

In the form shown in Figure 3 the socket proper and the button member are somewhat different. In this form the socket body 21 is elongated and is provided adjacent the closed end with a peripherally grooved portion 22 for engagement by the edge of the hollow rivet 14 which is identical with the

like part of Figure 2. This socket is also provided with a rebent portion 23 provided with a flange 24. The button member in this form has a cylindrical shank 25 provided with a plurality of heads 26 separated from each other and from the shank by grooves 27. As in the first form, the shank 25 is provided with a flange 28 and is held to the cover 11 by a rivet 29. In this form the covers 10 and 11 are adjusted in spaced relation by pushing the button member into the socket so that one or more of the heads lie in the socket. Thus the active length of the button shank can be adjusted to accommodate a greater or lesser number of leaves as may be desired.

There has thus been provided a simple and efficient device of the kind described and for the purpose specified.

It is obvious that minor changes may be made in the form and construction of the invention without departing from the material spirit thereof. It is not, therefore, desired to confine the invention to the exact form herein shown and described, but it is desired to include all such as properly come within the scope claimed.

Having thus described the invention, what is claimed as new, is:

1. In a device of the kind described, the combination with a pair of book covers, of snap button sockets carried by one of said covers, and coacting button members having elongated shanks carried by the other cover, said shanks being of sufficient length to extend through and hold a package of loose leaves, said shanks each having a head of substantially the same diameter as the shank and being provided with a reduced neck between the head and shank, said shank having a second reduced neck spaced from the first neck whereby to form a shank portion constituting a second head, said sockets and coacting button members each having a flange formed thereon and resting against the inner surface of the respective cover to constitute spacing means between the covers and the leaves bound therein.

2. In a device of the kind described, the combination with a pair of book covers, of snap button sockets carried by one of said covers, and coacting button members having elongated shanks carried by the other cover, said shanks being of sufficient length to extend through and hold a package of loose leaves, each of said shanks being provided at one end with a plurality of heads defined from each other and the shank by grooves and the socket being elongated to accommodate the plurality of heads whereby a selected number of said heads may be engaged in the socket.

3. A snap fastener comprising a button part and a socket part having a constricted mouth, said button part being provided with a shank having spaced reduced portions

adapted to be selectively engaged in the mouth of the socket part.

4. A snap fastener comprising a button part and a socket part having a constricted mouth, said button part being provided with a shank having spaced reduced portions adapted to be selectively engaged in the mouth of the socket part, said shank having a rounded extremity and the remainder of the shank except for the reduced necks being of uniform diameter.

In testimony whereof I affix my signature.
ABRAHAM FELDER.

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