J. S. McCOMB.

LOOSE LEAF BINDER.

APPLICATION FILED JUNE 12, 1908.

915,790. Patented Mar. 23, 1909.

Fig. 1.

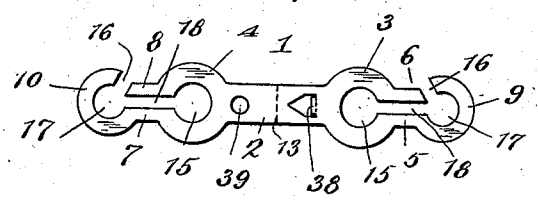


Fig. 6.

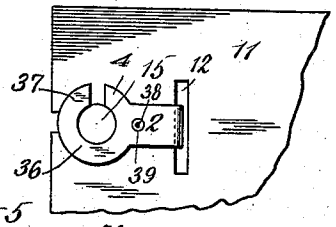


Fig. 2.

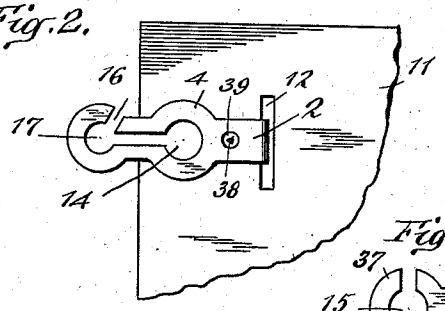


Fig. 5.

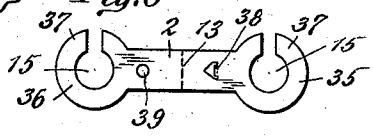


Fig. 3.

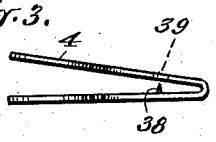
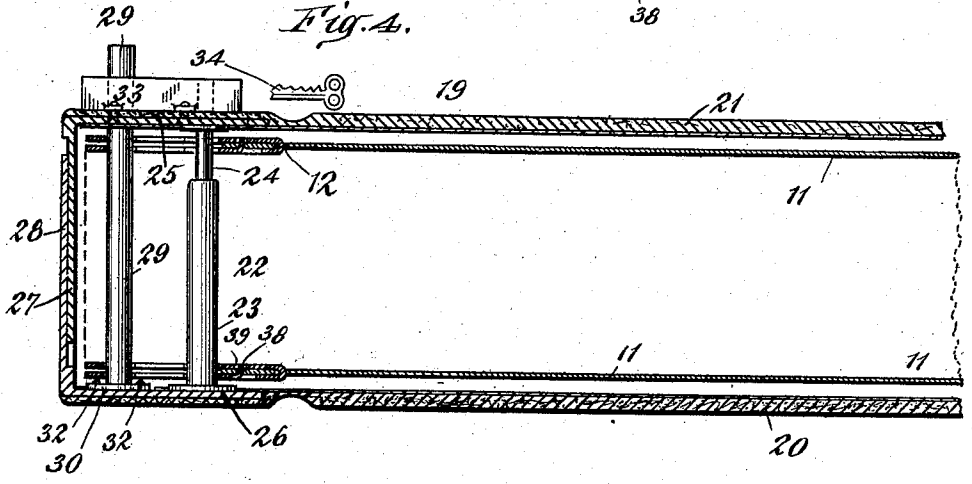


Fig. 4.



Witnesses:
H. L. Crocheron
Geo. B. Francke.

Jennings Scott McComb
Inventor

By his Attorney
Allan M. Johnson

THE NORRIS PETERS CO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

JENNINGS SCOTT McCOMB, OF DOBBS FERRY, NEW YORK.

LOOSE-LEAF BINDER.

No. 915,790. Specification of Letters Patent. Patented March 23, 1909.

Application filed June 12, 1908. Serial No. 438,196.

To all whom it may concern:

Be it known that I, JENNINGS SCOTT McCOMB, a citizen of the United States, and a resident of Dobbs Ferry, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Loose-Leaf Binders, of which the following is a specification, taken in connection with the accompanying drawing, which forms a part of the same.

This invention relates to loose leaf binders and more particularly to the binder itself and to means for securely holding or locking the loose leaves in the binder to prevent their accidental or unauthorized removal.

In the accompanying drawing showing illustrative embodiments of this invention and in which the same reference numerals refer to similar parts in the several figures, Figure 1 is a plan view of a blank from which a dumb bell form of clip or tie is made. Fig. 2 is a plan view of a sheet of a loose leaf binder and of the dumb bell clip or tie formed from the blank shown in Fig. 1. Fig. 3 is a side elevation of the dumb bell clip or tie. Fig. 4 is a longitudinal vertical section through my loose leaf binder, some of the elements for purposes of better illustration being shown in side elevation. Fig. 5 is a plan view of a modified form of blank. Fig. 6 is a plan view of the clip formed from the blank shown in Fig. 5

In the illustrative embodiments of this invention shown in the drawing 1 is a blank which may be stamped or cut from any suitable material, preferably thin metal to form a body portion 2, split rings 3, and 4 and arms, 5 and 6 on the ring 3 and 7 and 8 on the ring 4. One of each pair of arms is elongated and bent up to form hooks 9 and 10, or these hooks may be, and are preferably, formed at the same time that the blank is stamped or cut.

The blank is threaded through a slot 12 in a loose leaf sheet 11 and then bent back on itself, the bend occurring approximately on tne line 13. This brings one of the rings 3 or 4 above the other and on the opposite side of the sheet 11 making the openings 15, 15 in the rings register with the usual filing slot 14 in the sheet 11. The sheet can then be threaded on the usual pillar or post of the binder by causing the post or pillar to pass first through the slot 16, between one of the arms and the end of the complementary hook, thence into the throat 17 of the hooks, slots 18, 18, into the openings 15, 15 in the rings. If the slots 16 and 18 are too narrow for the particular size post or pillar used, the parts of the clip or tie may be sprung apart to permit the insertion of the post. It is obvious that the hooks 9 and 10 will prevent the unauthorized withdrawal of a sheet 11 from the usual binder provided with one set of posts or pillars. I preferably, however, use the sheets and the dumb bell clips or ties in connection with my improved binder provided with two sets of pillars or posts, the second set to coöperate with the hooks of the clips and immovably secure and lock the clips, and their attached sheets, in the binder.

In Fig. 4 I have shown my improved binder 19 formed with a back 20 and a cover 21 and provided with a telescoping adjustable pillar or post 22 formed of sections 23 and 24; the former being secured to the plate 26 carried by the back and the latter being secured to the plate 25 forming a part of the cover 21. The plates 25 and 26 have coöperating flanges which serve to protect the ends of the leaves and the clips or ties. The flanges may be arranged in various ways. I have shown in this Fig. 4 a depending flange 27 connected to the plate 25 and an upwardly extending flange 28 connected to the plate 26. These flanges move upon each other and permit a wide range of adjustment of the cover 21 and back 20, the leaves and clips being at all times thoroughly protected. In addition to the ordinary pillars or posts I use a supplemental post or pillar in connection with one of the posts 22 or I may use a supplemental post with each of the ordinary filing posts or pillars. The supplemental posts may be variously mounted with relation to the parts of the binder. In Fig. 4 I have shown one form of supplemental post 29 having a head 30 which is held to the plate 26 by means of the screws 32, 32. It is of course to be understood that it is immaterial how the post 29 is mounted, provided it is secured to one of the plates 25 or 26 and is arranged to take into the throats 17, 17 of the hooks 9 and 10, Fig. 4. By the use of these supplemental posts the dumb bell clips are securely held in the binder not only preventing the unauthorized withdrawal of any of the sheets but preventing any longitudinal movement of the sheet upon the pillar or post. I also preferably, though not necessarily, provide a suitable lock

to lock the clips or ties in the binder and upon the supplemental post. Any suitable locking mechanism may be used, such as a lock 33 secured to the plate 25 and adapted to lock the end of the post 29, the lock being controlled by any suitable means, such as by key 34.

In some cases I may form the hooks directly upon the rings 3 and 4. In Figs. 5 and 6 the rings 35 and 36 are split so as to make hooks 37, 37, which are adapted to close one of the filing slots in the loose leaf sheet to prevent the accidental or unauthorized removal of one or more of the sheets of the binder.

It is to be understood that in all forms of my invention one clip or tie may secure one or a plurality of sheets to the binder.

In some instances I may, if desired, form a fastener on the slip, such for instance as by stamping up a part of the blank to form a tooth 38 adapted to coöperate with an aperture 39, see Figs. 1 and 3. Such fasteners may, however, be omitted without departing from my invention.

Having thus described this invention in connection with the several illustrative embodiments thereof to the details of which I do not desire to be limited, what is claimed as new and what it is desired to secure by Letters Patent is set forth in the appended claims.

1. A loose leaf binder having an adjustable back and cover, loose leaves mounted in the binder, a clip or tie coöperating with one or more of the leaves to secure one or more leaves in the binder, and one or more hooks upon the clip or clips.

2. A loose leaf binder having an adjustable back and cover and the ordinary pillar or post, a supplemental post in the binder, loose leaves mounted in the binder, a clip or tie coöperating with one or more of the leaves to secure one or more leaves in the binder and one or more hooks upon the clip or clips adapted to coöperate with the supplemental post.

3. A loose leaf binder having a cover, a plate with a depending flange connected with the cover, a back, a plate provided with an upwardly extending flange connected to the back, said flanges coöperating to protect the contents of the binder, an adjustable post, loose leaves in the binder, a clip or tie provided with openings adapted to register with the filing slot in the sheet, and one or more hooks on the clip or tie.

4. A clip or tie having a body portion, split rings mounted on the body portion, a portion of one or more of the rings adapted to form a hook to close the filing slot in a loose leaf sheet.

5. A clip or tie having a body portion, split rings mounted on the body portion, arms connected to the split rings, and a hook upon one of the arms.

6. A loose leaf binder having two sets of filing pillars or posts, one set arranged in the rear of the other set.

7. A loose leaf binder having two sets of filing pillars or posts, loose leaves mounted in the binder and clips or ties adapted to secure one or more sheets to both sets of pillars or posts.

8. A loose leaf binder having two sets of filing pillars or posts, loose leaves mounted in the binder, clips or ties adapted to secure one or more sheets to both sets of pillars or posts, and a lock to secure the clips on the pillars or posts.

JENNINGS SCOTT McCOMB.

Witnesses:
H. De W. Wilde,
Howard S. Jaffray.