

No. 843,229.

PATENTED FEB. 5, 1907.

A. & L. MYERS & F. R. BAKER.

LOOSE LEAF BOOK, FILE, TEMPORARY BINDER, &c.

APPLICATION FILED APR. 21, 1906.

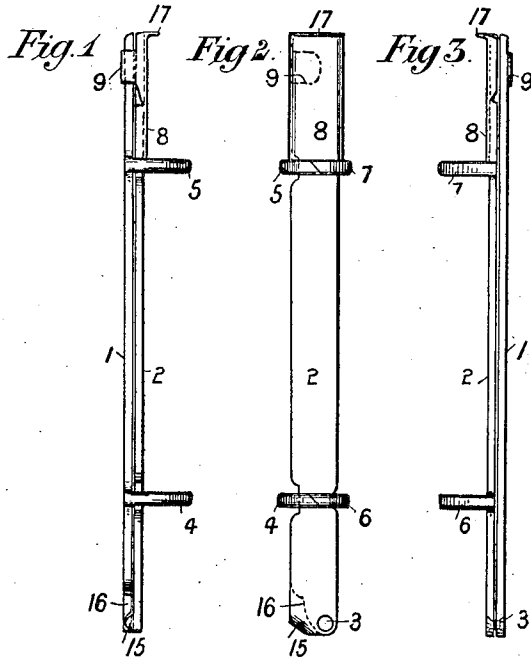


Fig. 4.

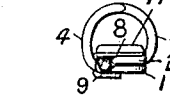


Fig. 5.

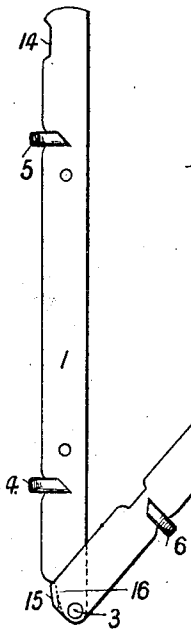


Fig. 6.

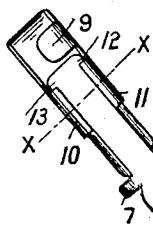


Fig. 7.



Witnesses.

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LOOSE-LEAF BOOK, FILE, TEMPORARY BINDER, &c.

No. 843,229.

Specification of Letters Patent.

Patented Feb. 5, 1907.

Application filed April 21, 1906. Serial No. 312,984.

To all whom it may concern:

Be it known that we, ADOLPH MYERS, LEOPOLD MYERS, and FRANCIS ROBERT BAKER, subjects of His Majesty the King of Great Britain and Ireland, residing at Birmingham, England, have invented new and useful Improvements in and Connected with Loose-Leaf Books, Files, Temporary Binders, and the Like, of which the following is a specification.

This invention has reference to loose-leaf books, files, temporary binders, and the like, and consists in constructing, in the manner hereinafter described, those parts on which the papers are filed, whereby they are simplified and can readily be opened for the removal and insertion of papers and when closed will be perfectly secure.

Our invention is illustrated by the accompanying drawings, on which—

Figure 1 is a side elevation of our invention. Fig. 2 is a front elevation of the same. Fig. 3 is a side elevation looking toward the right-hand side of Fig. 2. Fig. 4 is a plan of the same. Fig. 5 is a front view of the same, open for the removal or replacing of the papers. Fig. 6 is a back view of the same, also shown open; and Fig. 7 is a cross-section of part of the same on line X X of Figs. 5 and 6.

The same reference-numerals indicate the same parts in all the figures.

We provide two elongated flat plates which are marked, respectively, 1 and 2, and they are jointed together near one end by a rivet 3, which passes through them. The plates are by preference arranged to lie one upon the other, as shown. The plates 1 2 can be turned on their rivet or joint 3 and open out from one another, as shown in Figs. 5 and 6, like the legs of a pair of compasses, or closed together, as in Figs. 1, 2, 3, and 4. The plate 1 has two or more side projecting prongs, such as 4 5, and the plate 2 has two or more similar side projecting prongs 6 7, which project forward at the front of the plates and are so arranged that when the plates are closed together, as in Figs. 1, 2, 3, and 4, the prongs 4 5 of the plate 1 meet and match with the prongs 6 7 of the plate 2 and form loops on which the papers can be placed. When the two plates 1 2 are opened out from one another about their joint-pin 3 as a center, as in Figs. 5 and 6, the ends of the prongs

4 5 are separated from the ends of the prongs 6 7, and the loose leaves can readily be inserted on the prongs, where they will be retained, when the plates 1 2 and the prongs are closed together again as in Figs. 1, 2, 3, and 4.

Any convenient means may be employed or there may be no means for securing the plates 1 2 in their closed position; but what we prefer is the sliding clip 8, which embraces and slides on the plate 2 and at the back is made with a loop-like tongue 9, adapted to embrace the side of the other plate 1. When the slide 8 is slid outwardly along the plate 2, so as to project beyond the outer end of the same, as in Fig. 5, the legs 1 2 can be closed or opened, as the tongue 9 will clear the outer end of the plate 1, and then when the plates have been closed together, as in Figs. 1, 2, 3, and 4, the slide 8 can be slid backwardly toward the jointed end 3, so that the tongue 9 will then embrace the outer end of the leg 1 and the two plates will be perfectly secure. The downward movement of the slide 8 is limited by its lower end coming in contact with the prong 7, and its outward movement is limited by the inwardly-turned side edges 10 11 of the slide coming in contact with stops or projections 12 13, which are formed on the end of the plate 2.

In order to assist in securing the sliding clip 8 in its closed position, the side of the outer end of the leg 1 is, by preference, notched at 14, so that the tongue 9 will take into this notch when the plates are closed together and secured by the slide, as in Figs. 1, 2, 3, and 4. The top 17 of the slide 8 is turned outwardly to facilitate sliding it.

In order to prevent the plates 1 2 from opening farther than is necessary to enable the leaves to be conveniently placed on the prongs or removed therefrom, a suitable stop is provided, which is, by preference, formed by turning upwardly the lower corner 15 of the plate 2, so as to take against the side edge of the plate 1 when the plates are opened apart, and to enable the plates to be opened to a sufficient distance, as in Figs. 5 and 6, the lower portion of the edge of the plate 1, against which the projection 15 comes into contact, is cut away at 16, as shown, and the joint-pin 3 is also, by preference, arranged as near as possible to the opposite edges of the plates 1 and 2 instead of being in the center

of the same, thus giving as much length as possible between the center of the rivet 3 and the projecting stop 15, so that the latter has a longer movement than would be the case if the rivet 3 were placed on the longitudinal center line of the plates.

It will be understood that the plate 1 is riveted or otherwise secured to the inside of the back of the cover of the loose-leaf book or temporary binder or can be fixed to a board or the like, as is the case with other filing appliances of a like kind.

What we claim as our invention, and desire to secure by Letters Patent, is—

15 A loose-leaf binder comprising two elongated plates, one of said plates having one corner cut away and the other plate having its corresponding corner bent over to engage said cut-away portion, a pin passing through

both plates at the corners adjacent said cut-away and bent-over corners so that said plates when closed will lie one over the other, prongs on the edges of said plates and curving outwardly and upwardly so as to meet in the center line of said plates when said plates are closed and a slide movable longitudinally on one end of one plate and adapted to engage the end of the other plate to hold the plates together.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ADOLPH MYERS.

LEOPOLD MYERS.

FRANCIS ROBERT BAKER.

Witnesses:

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