

C. B. CHAPMAN.  
 BINDER FOR LOOSE LEAF BOOKS.  
 APPLICATION FILED NOV. 23, 1908.

929,387.

Patented July 27, 1909.

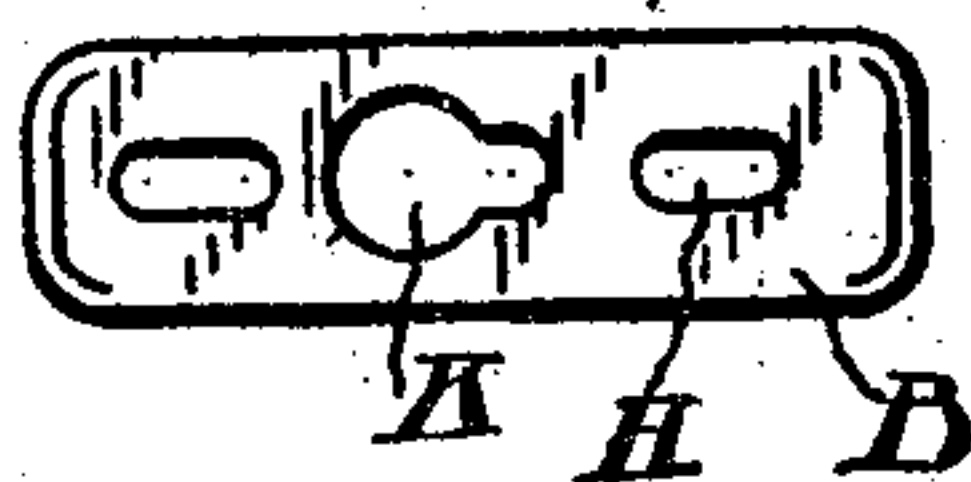
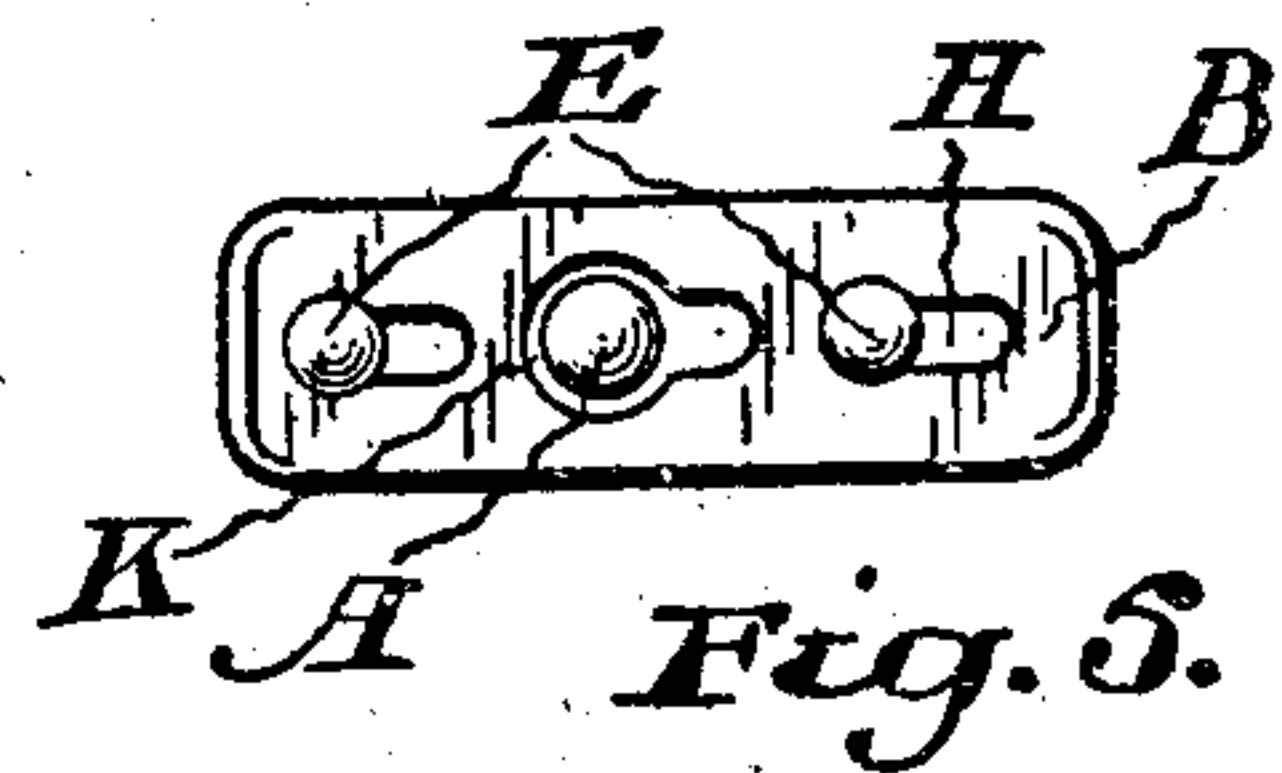
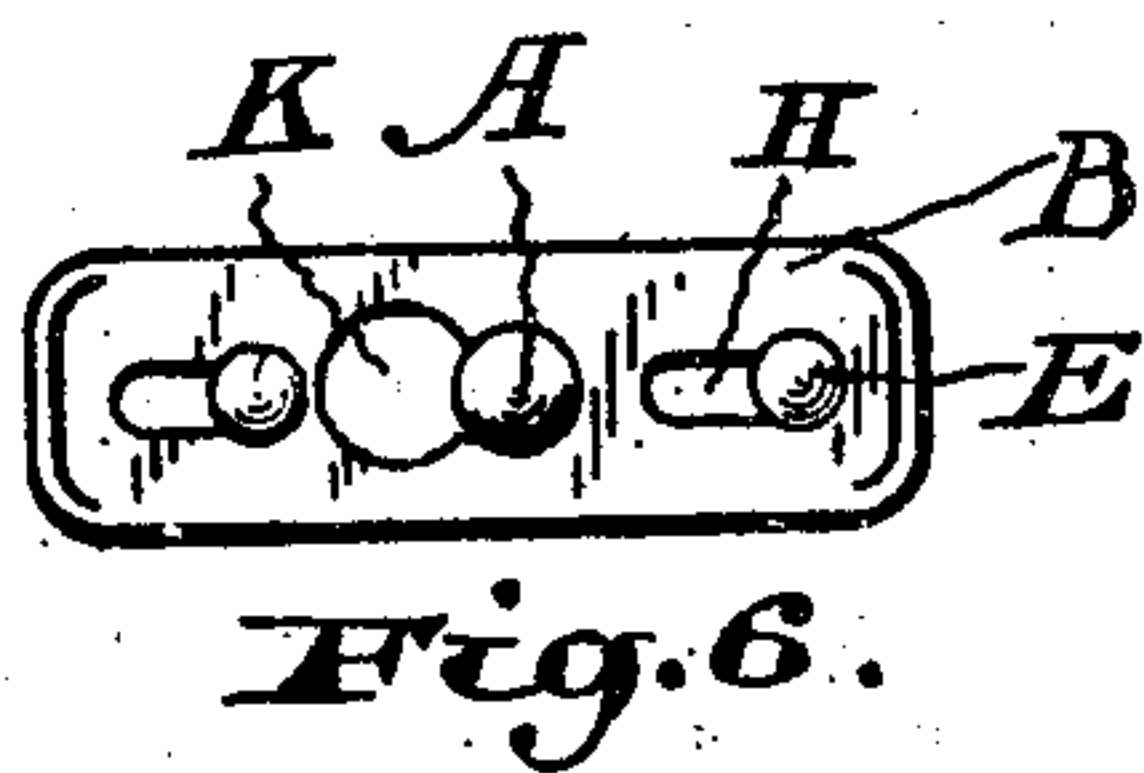
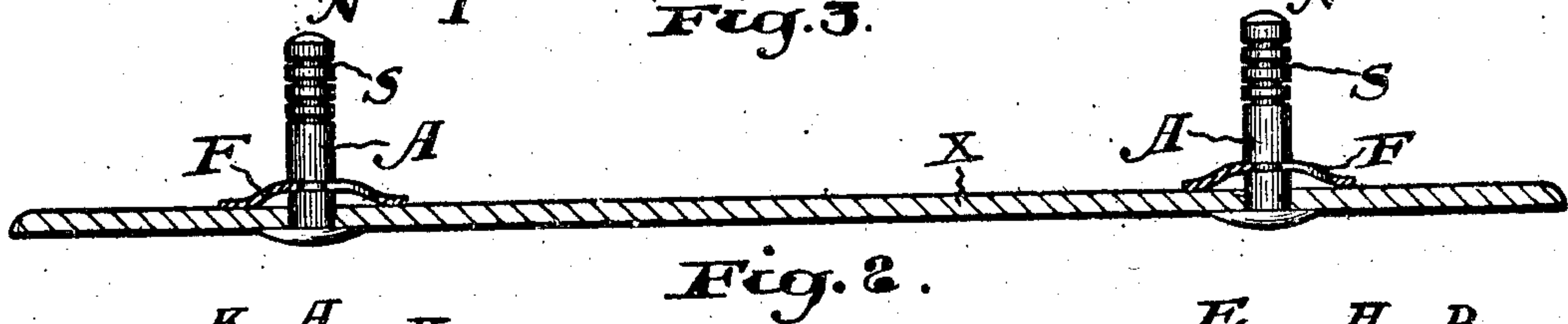
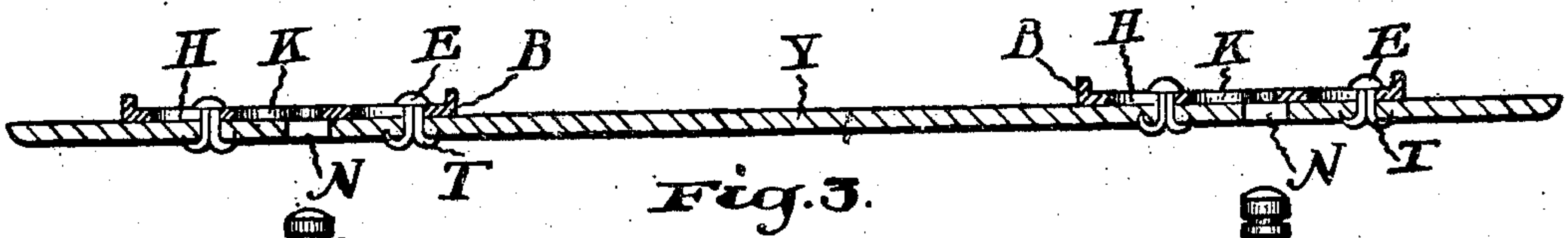
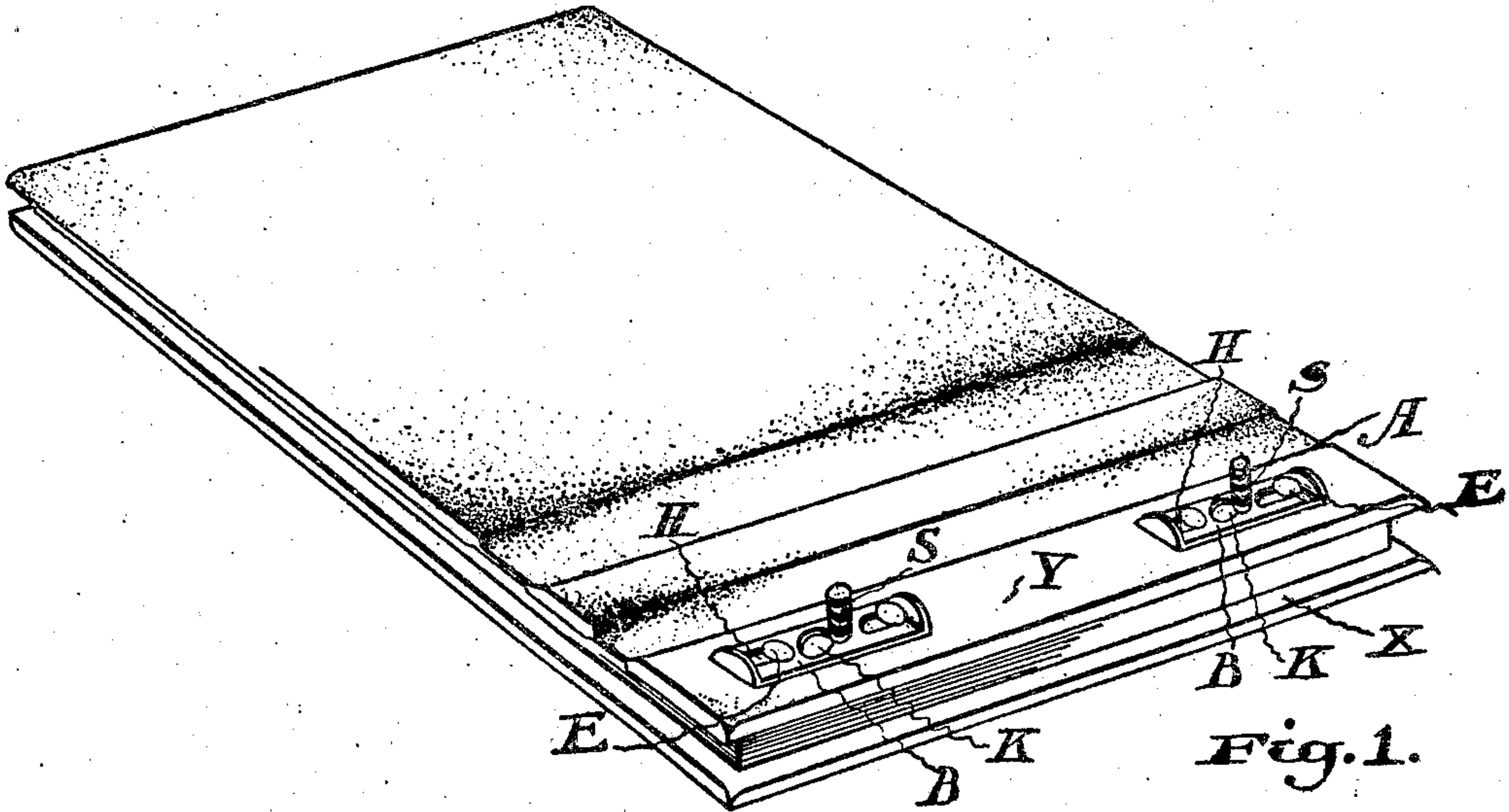


Fig. 4.



WITNESSES:

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INVENTOR.

*Charles B. Chapman*

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# UNITED STATES PATENT OFFICE.

CHARLES BRIGHTMER CHAPMAN, OF LONDON, ONTARIO, CANADA.

## BINDER FOR LOOSE-LEAF BOOKS.

No. 929,387.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed November 23, 1908. Serial No. 464,114.

*To all whom it may concern:*

Be it known that I, CHARLES BRIGHTMER CHAPMAN, of the city of London, in the county of Middlesex, in the Province of Ontario, Canada, bookbinder, having invented certain new and useful Improvements in Binders for Loose-Leaf Books, do hereby declare that the following is a full, clear, and exact description of the same.

My invention relates to improvements in binders for loose leaf books, in which upright metal posts are used attached to book covers, and the objects of my improvements are:—

1. To permit the quick removal or addition of sheets to the book. 2. To hold same firmly in place. 3. To permit of more leaves being added as desired. 4. To attain the above objects in the simplest and cheapest possible manner. I attain these objects by the constructions illustrated in the accompanying drawings.

Figure 1 is a perspective view of a loose leaf binder constructed in accordance with my invention. Fig. 2 is a vertical section of a pair of metal posts attached to the lower or bottom book-cover. Fig. 3 is a vertical section of the upper or top cover of the book, as it appears when detached from the book. Fig. 4 is a plan view of a pair of the sliding locks unattached. Fig. 5 is a plan view of a sliding lock when attached to the upper cover, and the binder unlocked. Fig. 6 is a plan view of the same, locked. Fig. 7 is the top view of a pair of washers used for locking the metal posts or studs to lower cover of binder.

Similar letters refer to similar parts throughout the views.

Two or more metal posts A of any desired length are each fastened to the under or lower cover X, of the said binder, by means of a wide, flat head on the end of the post fitting against the under side of the cover and a thin lock washer F slotted, preferably with a key hole slot, to slip into or out of a transverse groove in the post A on the upper side of the said under or lower cover. The upper cover Y of said binder is punched with holes N at a distance uniform and coinciding with the posts A in the lower cover, so that the said posts will pass through the holes N so punched. The posts A are made with horizontal grooves S at as many places as desired.

To the upper cover Y are fastened two thin pieces of metal B, which I designate

locks. These are each fastened to the cover by means of two split rivets E. These rivets pass through oblong holes H punched in the said locks B, and through the upper cover of the binding, clenching at T. The locks B are also each provided with a pear-shaped keyhole slot K in the center. The heads of the rivets E project over the edges of the oblong holes, and allow the locks B to slide the length of the oblong holes H. The diameter of the keyhole slot K at its wide end is such as to permit the post A to slip through freely, but at its narrow end is only of a diameter permitting it to fit over the post A, at points where the grooves S are cut in same.

When the posts A are inserted through the holes of the upper cover Y, and through the large end of slot K, the cover may be lifted off or on at will, but when the lock pieces B are pushed slightly, the narrow ends of the holes K engage the grooves S, and cover Y is firmly held in position. The act of moving the metal lock pieces B the length of the oblong holes H places the lock pieces B in such position as to release the cover Y, or to lock it in position.

It will be seen from the above description that the locking devices and covers are entirely separate constructions and are only brought together in the last stage of manufacture. This reduces the cost of manufacture to a minimum and enables me to put on the market a loose leaf binder cheap enough for school use.

For the drawing submitted I have supposed round posts to be used, but the same idea may apply to posts of other shapes, and the shape of the lock would have to be altered to suit the shape of post used.

I am aware that prior to my invention loose leaf binders have been made with metal posts fastened to the binding covers, I therefore do not claim such a combination broadly, but

What I do claim as my invention and desire to secure by Letters Patent is:—

1. In a loose leaf binder the combination of the lower cover; a post passing through the cover having a flat head formed thereon engaging the under side of the cover and a transverse groove formed therein at the upper side of the cover; and a lock washer slotted to permit of its engagement with and disengagement from the groove.

2. In a loose leaf binder the combination



of the covers; a post passing through the cover having a flat head formed thereon engaging the under side of the under cover, a transverse groove formed therein at the upper side of the under cover, and a transverse groove at the upper side of the upper cover; a lock washer slotted to permit of its engagement with and disengagement from the groove at the upper side of the under cover;  
10 and a movable slotted lock plate at the upper

surface of the upper cover adapted to be moved into engagement with the groove at the upper side of the upper cover.

London, Ontario, this eleventh day of November, 1908.

CHARLES BRIGHTMER CHAPMAN.

Signed in the presence of—

C. G. JARVIS,

M. E. MOULE,

L. A. SATTON.