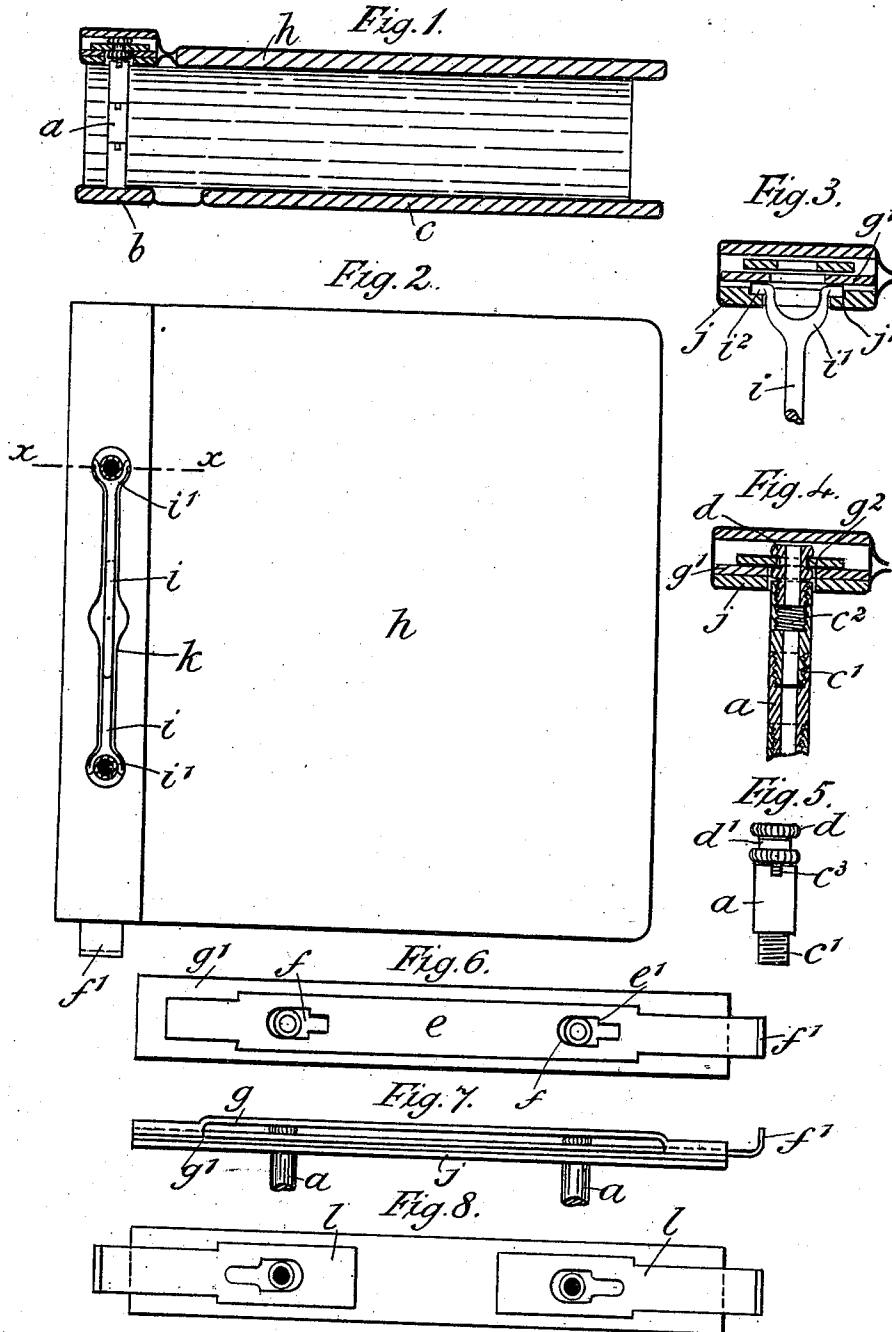


E. JAY.
 LOOSE LEAF BINDER FOR TRANSFER CASES, FILES, AND THE LIKE.
 APPLICATION FILED SEPT. 12, 1910.

996,020.

Patented June 20, 1911.



Witnesses
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UNITED STATES PATENT OFFICE.

EDGAR JAY, OF LONDON, ENGLAND.

LOOSE-LEAF BINDER FOR TRANSFER-CASES, FILES, AND THE LIKE.

996,020.

Specification of Letters Patent. Patented June 20, 1911.

Application filed September 12, 1910. Serial No. 581,488.

To all whom it may concern:

Be it known that I, EDGAR JAY, merchant, a subject of the King of Great Britain and Ireland, and residing at 34 Moorfields, in the city of London, E. C., England, have invented certain new and useful Improvements in Loose-Leaf Binders for Transfer-Cases, Files, and the Like, of which the following is a specification.

This invention relates to improvements in loose-leaf binders for transfer cases, files and the like, for securely attaching the said leaves in proper position, and the removal or exchange of one or more of the same or the substitution of others therefor.

This improved binder is of the type comprising a sliding locking bar engaging with grooves in the upper ends of the pins or posts upon which the loose leaves are filed and the improvements consist in the means for lengthening or shortening the said pins or posts and the extraction or changing of any desired leaf and maintaining it in its proper position on the file. For this purpose the cover comprising the back of the transfer case or file is fitted with the filing pins or posts fixed to a transverse bar in the usual manner. These pins or posts are formed of two or more tubular sections of any desired length, the lower one being fixed to the bar while the others are formed at one end with a male screw and at the other end with a female screw for screwing the said sections together to form a pin or post of the desired length, the upper end of each section being formed with two opposite nicks for engaging a screw-driver or other instrument therewith for screwing up or unscrewing the same.

The groove for engaging with the locking bar is formed in a perforated cap screwed to the upper section of each pin or post, the said bar being formed with slots for the passage of the latter through the same and with shoulders or projections for engagement with the grooves. In some cases I may employ two locking bars, instead of one, operated from each side or end of the file.

The free end or edge of each sheet or leaf may be indexed with letters or numbers, and in order to remove or insert a sheet in the desired position I provide two rods or pins pivoted to the bar through which the filing pins or posts pass on the under or reverse side of the same, which rods or pins lie in a recess in said bar when not in use, but which

are turned up at right angles to the bar and inserted into the tubular pins or posts so as to form extensions to the latter when removing any of the sheets, the said extensions receiving and holding the said sheets in their desired position and then being withdrawn from the posts. To replace the sheets the extensions are reinserted in the posts and the sheets again threaded upon the pins or posts, after which the extensions or pins are withdrawn from the posts and folded back within the recess in the bar to which they are pivoted.

In the accompanying drawings Figure 1 is a cross section of a transfer case or file according to my invention and Fig. 2 is a plan of the inner side of top or outer cover of the same. Fig. 3 is a cross section, to a larger scale, taken on the line *x, x* of Fig. 2. Fig. 4 is a vertical section showing a portion of one of the filing posts and the locking bar engaged with the same, and Fig. 5 is an elevation of one of the sections of the post with the cap screwed thereto. Fig. 6 is a plan of the locking bar in its unlocked position and Fig. 7 is a side elevation of the same. Fig. 8 is a plan of the double arrangement of locking bars.

a, a are the filing pins or posts fitted to the bar *b* forming the rear edge of the inner or back cover *c* of the transfer case or file. These posts are made up of separate sections formed with a male thread *c'* at one end and a female thread *c''* at the other end for securing the same together to form a single post of the desired length.

c'' are the nicks in the upper end of each section for the insertion of a screwdriver or other instrument for screwing up or unscrewing the sections, and *d* is the perforated cap screwed into the upper section and formed with the annular groove *d'* for receiving the shoulders or projections *e'* of the locking bar *e* when the latter is in its locked position.

f are the slots in the bar *e* for permitting the passage of the posts *a* through the same and the sliding motion thereof. The bar *e* is operated by the flange or handle *f'* at one end for locking or unlocking the binder and it is clamped or guided in its sliding motion between the bars *g* and *g'* fixed together at each end and forming the rear edge of the outer cover *h* of the case or file. The bar *g'* is formed with openings *g''* for the passage of the posts *a*.

5 i, i , are the two rods or pins forked at i' ,
 as shown in Fig. 3 and pivoted to the bar j
 by the projections i^2 engaging with the rec-
 cesses j' in the bar j , said bar being secured to
 the bars g and g' at their ends and extend-
 10 ing along under the latter to form a part of
 the cover h . The projections i^2 may be of
 eccentric or flattened shape so that when the
 rods i are turned outward, as shown, they
 15 may force the bar g' upward so as to act as
 a spring on the same for keeping the rods i
 in their open or extended position. These
 rods, when so extended, are inserted into the
 tubular posts a , through the perforated cap
 20 d and serve as extensions upon which the
 sheets or leaves of the file are threaded for
 removing or inserting other sheets below or
 behind the same. When not in use the rods
 i are laid down or within a recess k in the
 25 bar j . After the sheets are threaded upon
 the pins i the latter are removed from the
 posts a and the sheet or sheets to be inserted
 are threaded upon the latter when the pins i
 are again inserted in the same and the
 30 sheets thereon threaded upon the posts a .

In Fig. 8, l, l , are the double locking bars
 which are in this case operated from each
 end of the case or file.

30 Having now fully described the nature of
 my said invention, what I claim and desire
 to secure by Letters Patent is:—

35 1. In a loose leaf binder, the combination
 with a cover having upstanding hollow posts
 for retaining the sheets, of a second cover
 having openings to receive and engage the
 free ends of said posts, and means pivotally
 secured to the second cover and adapted to

be swung outward and inserted in the hol-
 low posts to temporarily receive the sheets
 therefrom and retain them in proper posi- 40
 tion.

2. A loose leaf binder, comprising a cover
 having hollow upstanding posts on one edge
 thereof, a second cover section having sock- 45
 ets to receive the upper ends of said posts,
 said second member having a recess formed
 on its under side and connecting the open-
 ings of the sockets, and members pivoted to
 said second cover and normally contained in
 the recess and when swung outward lying in 50
 alinement with the axis of the sockets and
 being adapted to be engaged in the hollow
 posts.

3. A binder, comprising a cover having
 sectional tubular posts engaged in and up- 55
 standing therefrom, a second cover section
 having sockets to engage the upper ends of
 the posts, means carried by the latter section
 for locking the same on the posts, said sec- 60
 tion having a recess formed therein connect-
 ing the mouths of the sockets, Y-shaped
 members having the heads of the Y pivotally
 secured in the sides of the sockets and hav-
 ing the vertical portion of the Y engaged in 65
 the recess, said members being adapted to be
 swung outward and be inserted in the posts
 to receive the sheets mounted on said posts.

In witness whereof I have hereunto set
 my hand in the presence of two witnesses.

EDGAR JAY.

Witnesses:

PHILIP B. FISHER,
 HENRIETTA JONES.