July 17, 1923. 1,461,954

G. P. WIGGINTON

TEMPORARY BINDER OR LOOSE SHEET HOLDER

Filed June 10, 1921 2 Sheets-Sheet 1

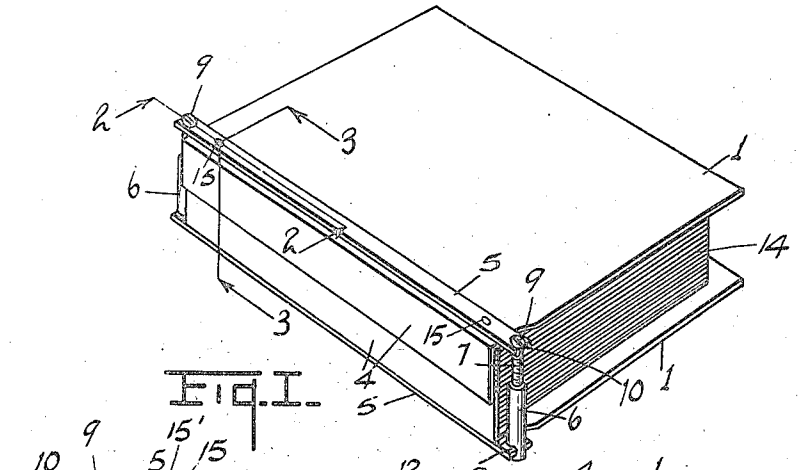


Fig. I.

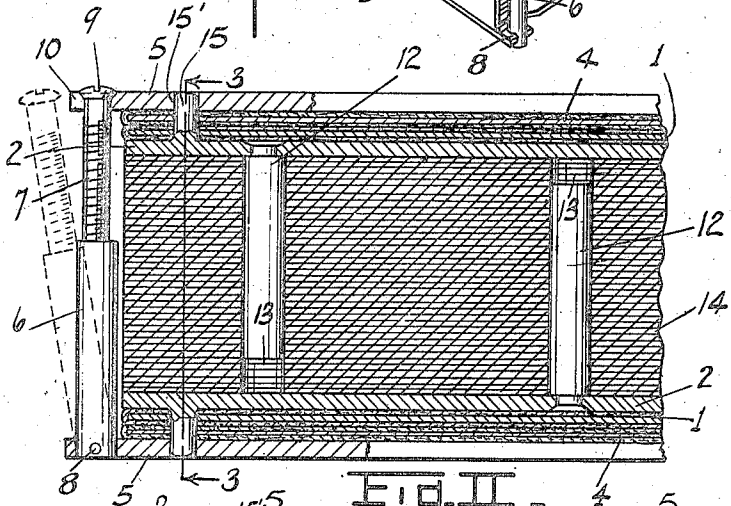


Fig. II.

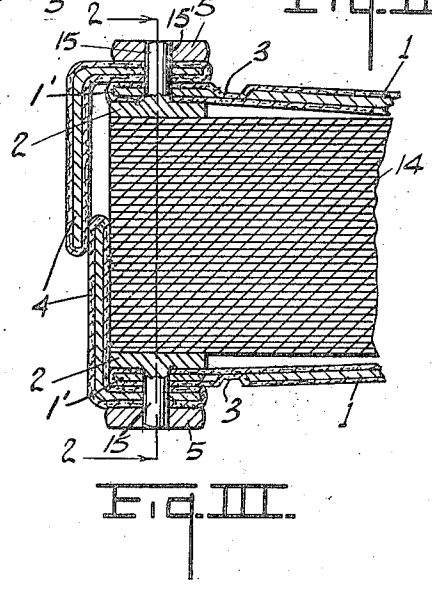


Fig. III.

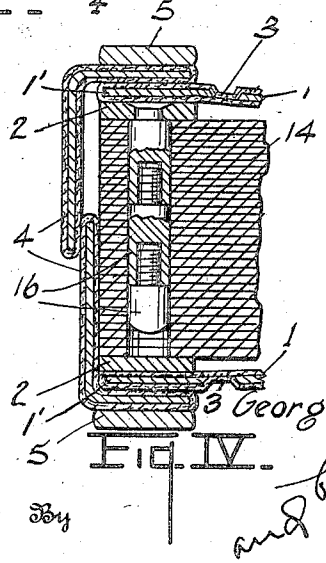


Fig. IV.

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TEMPORARY BINDER OR LOOSE SHEET HOLDER

Filed June 10, 1921 2 Sheets-Sheet 2

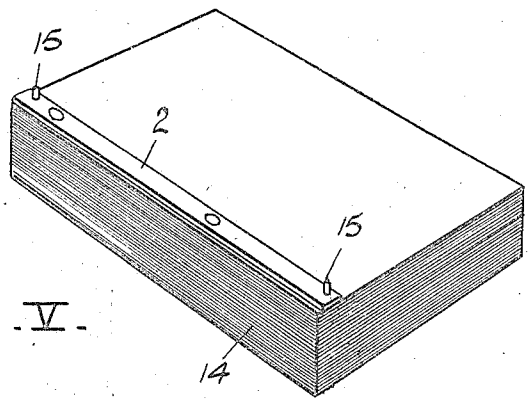


Fig. V.

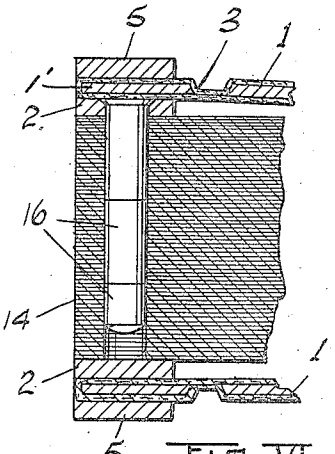


Fig. VI.

Fig. VII.

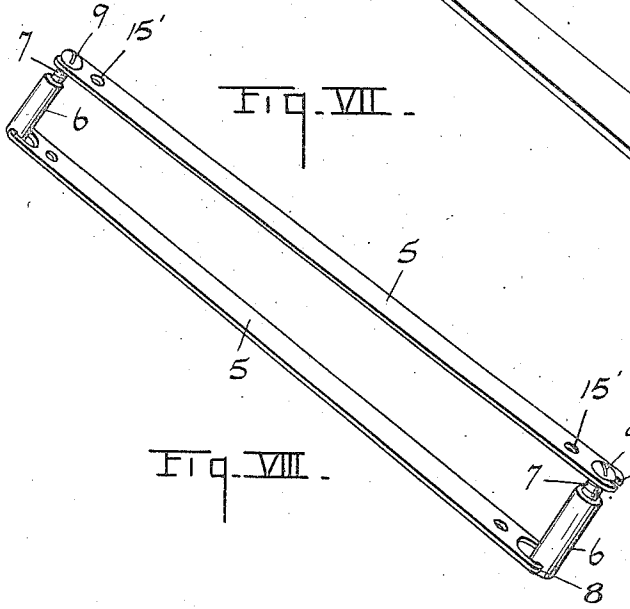


Fig. VIII.

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Patented July 17, 1923. 1,461,954

UNITED STATES PATENT OFFICE.

GEORGE P. WIGGINTON, OF KALAMAZOO, MICHIGAN, ASSIGNOR TO KALAMAZOO LOOSE LEAF BINDER CO., OF KALAMAZOO, MICHIGAN.

TEMPORARY BINDER OR LOOSE-SHEET HOLDER.

Application filed June 10, 1921. Serial No. 476,417.

To all whom it may concern:

Be it known that I, GEORGE P. WIGGINTON, a citizen of the United States, residing at the city and county of Kalamazoo, State of Michigan, have invented certain new and useful Improvements in Temporary Binders or Loose-Sheet Holders, of which the following is a specification.

This invention relates to improvements in temporary binders or loose sheet holders.

The main objects of this invention are:

First, to provide an improved temporary binder or loose sheet holder which is well adapted for the holding of sheets and circulars, such as those of loose leaf catalogs and in which the sheets are securely bound and at the same time readily accessible.

Second, to provide an improved loose leaf holder in which the parts are formed so that they can be manufactured in the knockdown and the parts assembled as desired with covers and backs of sizes and materials to suit the particular purchaser.

Third, to provide an improved loose sheet holder having these advantages which is very economical in its parts and which at the same time is efficient in use and attractive in appearance.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

I accomplish the objects of my invention by the devices and means described in the following specification. The invention is clearly defined and pointed out in the claims.

A structure which is a preferred embodiment of my invention is clearly illustrated in the accompanying drawing, forming a part of this application, in which:

Fig. I is a rear perspective view of a loose sheet binder embodying the features of my invention.

Fig. II is an enlarged detail view partially in section on a plane corresponding to line 2—2 of Figs. I and III.

Fig. III is an enlarged detail view partially in section on a plane corresponding to line 3—3 of Figs. I and II.

Fig. IV is a detail sectional view corresponding to that of Fig. III of a slightly modified embodiment of my invention or improvements, a sectional sheet-engaging post being provided.

Fig. V is a rear perspective view of the sheet body with the post bars engaged therewith.

Fig. VI is a detail sectional view corresponding to that of Fig. IV with the back members omitted.

Fig. VII is a perspective view of one of the post bars.

Fig. VIII is a detail perspective view of the binding bars.

In the drawing similar reference characters refer to similar parts throughout the several views, and the sectional views are taken looking in the direction of the little arrows at the ends of the section lines.

Referring to the drawing, I provide a pair of cover members 1 provided with bars 1′ at their rear edges, the bars being connected to the cover members proper by the hinge portions 3.

The detachable telescoping back members 4 are angle-shaped and are adapted to be arranged on the outside of the cover members as shown in Fig. IV. These are independent and telescope in the embodiment shown so as to be adaptable to various widths of sheet body, and when the limit of a particular back has been passed another back may be substituted.

The binding bars 5 are provided with coupling members which, in the structure illustrated, comprise the sections 6 and 7 threaded for adjustment, the sections 6 being pivoted to the ends of one of the binding bars at 8, the heads 9 of the sections 7 being engageable with the slots 10 in the ends of the other binding bar. These binding bars are also detachable or independent of the other parts described.

The detachable post bars 2 are provided with sheet engaging posts 12 adapted to engage holes 13 in the sheets 14. Each of the post bars is provided with posts, the posts being alternately disposed as illustrated. The post bars are also provided with projecting pins 15 which engage aligned holes 15′ in the back members, cover members and binding bars, thereby retaining the parts in their assembled relation. The parts are all, however, released so that they may be disassembled as desired when the coupling members of the binding bars are disengaged.

In the modification shown in Figs. IV and VI the posts 16 are of the sectional type so that their length may be regulated to the

sheet body. However, in view of the interlapping relation of the posts on the two post bars a very considerable variation in the sheet body is possible without affecting the binding action of the posts.

My improved binder parts are very economical to produce and may be quickly and readily assembled, the binding and the backs being varied as may be desired.

My improved loose sheet binder is especially adapted for catalogs and like uses although it may be adapted for various other uses.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is:—

1. In a loose leaf binder, the combination of independent cover members, detachable angle-shaped telescoping back members, detachable binding bars, said cover members, back members and binding bars having aligned holes, detachable post bars provided with sheet-engaging posts and with outwardly projecting pins engaging said aligned holes in said cover members, back members and binding bars whereby they are detachably retained in assembled relation, and means for detachably connecting said binding bars disposed at the ends thereof.

2. In a loose leaf binder, the combination of cover members, detachable binding bars, said cover members and binding bars having aligned holes, detachable post bars provided with sheet-engaging posts and with outwardly projecting pins engaging said aligned holes in said cover members and binding bars whereby they are detachably retained in assembled relation, and means for detachably connecting said binding bars disposed at the ends thereof.

3. In a loose leaf binder, the combination of independent cover members, detachable telescoping back members, detachable binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said bars with said cover members, back members and binding bars, and binding bar coupling members pivotally mounted at the ends of one of the binding bars, the other being slotted to receive the same, said coupling members comprising sections threaded for adjustment.

4. In a loose leaf binder, the combination of cover members, detachable binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said bars with said cover members, back members and binding bars, and binding bar coupling members pivotally mounted at the ends of one of the binding bars, the other being slotted to receive the same, said coupling members comprising sections threaded for adjustment.

5. In a loose leaf binder, the combination of independent cover members, detachable telescoping back members, detachable binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said bars with said cover members, back members and binding bars, and coupling means for said binding bars.

6. In a loose leaf binder, the combination of cover members, back members, binding bars, post bars provided with sheet-engaging posts, said cover members, back members, binding bars and post bars having coengaging parts whereby they are detachably held in assembled relation by said binding bars, and means for detachably connecting said binding bars.

7. In a loose leaf binder, the combination with cover members, of detachable transfer bars each having sheet-engaging posts, and cover and binding bar engaging means, and detachable binding bars provided with coupling means detachably engaging one of the binding bars.

8. In a loose leaf binder, the combination of cover members, binding bars, post bars provided with sheet-engaging posts and with means for detachably engaging said covers and binding bars.

9. In a loose leaf binder, the combination with cover members, of detachable transfer bars each having sheet-engaging posts and cover and binding bar engaging means, and detachable binding bars provided with coupling means detachably engaging one of the binding bars, said coupling means being extensible.

10. In a loose leaf binder, the combination with cover members of detachable transfer bars each having sheet-engaging posts and cover and binding bar engaging means, and detachable binding bars provided with coupling and adjusting means.

11. In a loose leaf binder, the combination of cover members, telescoping back members, detachable transfer bars provided with sheet engaging posts, and binding bars, said cover members, back members, transfer bars and binding bars being provided with coengaging means whereby they are detachably held in assembled relation when the binding bars are clamped thereon.

12. In a loose leaf binder, the combination with the cover members, of a pair of detachable transfer bars provided with sheet-engaging posts, binding bars, said covers, transfer bars and binding bars being provided with coengaging parts whereby they are detachably held in assembled relation.

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

GEORGE P. WIGGINTON. [L. S.]

Witnesses:
NELLIE J. WEED,
CLYDE H. AREND.