Feb. 15, 1938. L. PICARD 2,108,508

TEMPORARY BINDER

Filed Aug. 7, 1936



Fig. 2

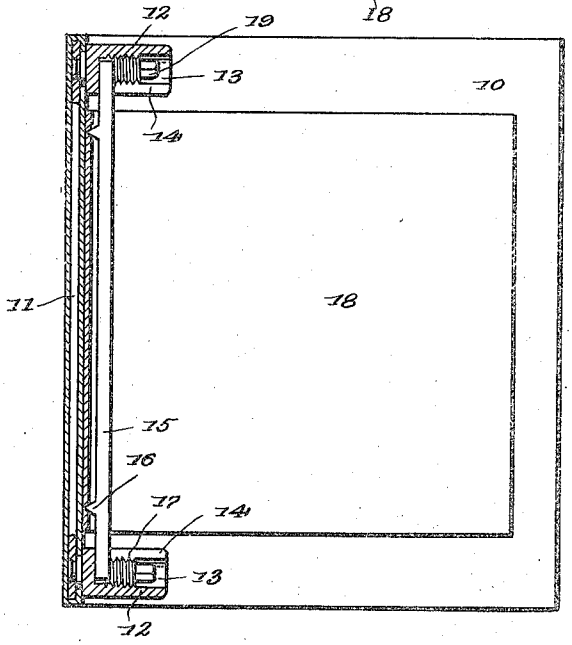


Fig. 1

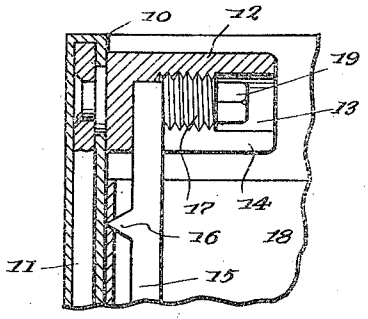


Fig. 3

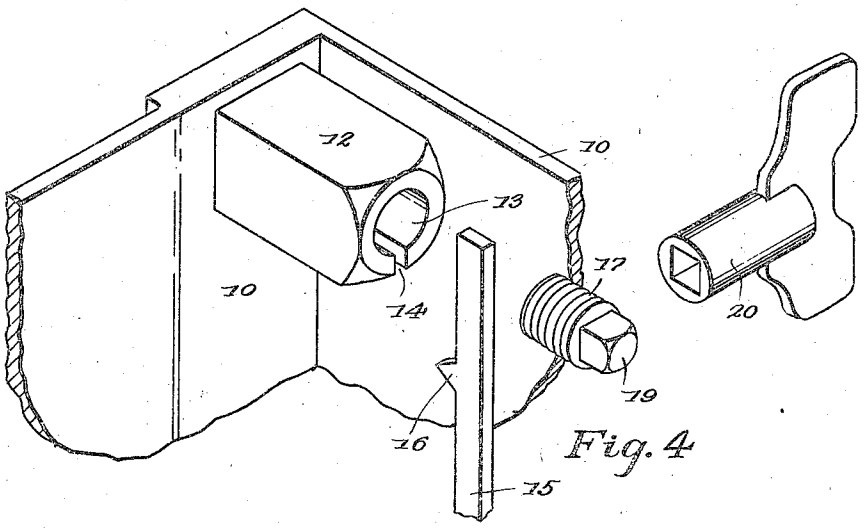


Fig. 4

Inventor

LEO PICARD

By E. F. Salter Attorney

Patented Feb. 15, 1938 2,108,508

UNITED STATES PATENT OFFICE

2,108,508

TEMPORARY BINDER

Leo Picard, San Antonio, Tex.

Application August 7, 1936, Serial No. 94,848

6 Claims. (Cl. 129—38)

My invention relates to temporary binders for holding magazines, periodicals and other publications or the like and more particularly to a device of this character for removably holding such articles.

This invention is particularly useful in public libraries, reading rooms and other public places where magazines or the like may be used by the public. These publications are frequently removed from their bindings by patrons, and the financial loss occasioned by such removal and appropriation on the part of members of the public is considerable.

An important object of this invention is to provide a binder for use in holding magazines or the like which will prevent removal of such articles by unauthorized persons.

Another object of this invention is the provision of a device of this character which may be readily operated to clamp a magazine or the like in position for reading or inspection, and which permits ready removal and replacement of such magazine or the like by an authorized person.

Still another object of this invention is to provide a device of this character which is of simple construction and operation, which is inexpensive to manufacture, which has a minimum of moving parts and the locking parts of which are in a protected position.

Other objects and advantages of the invention will be apparent during the course of the following description.

In the accompanying drawing which forms a part of this specification and wherein like characters of reference denote like parts throughout,

Figure 1 is a longitudinal sectional view through a holder embodying my invention and showing a magazine or the like secured therein,

Figure 2 is an end elevation of the holder,

Figure 3 is an enlarged fragmentary sectional view through the locking member assembly at one end of the holder, and,

Figure 4 is a fragmentary perspective view thereof showing the parts in position for assembly.

In the drawing, wherein for the purpose of illustration is shown a preferred embodiment of the invention, the numeral 10 designates the body of the binder or holder which may be formed of any suitable material and which is of generally elongated U-shaped cross-section, as seen in Figure 2. A metal strip or plate 11 is arranged within the back of the binder during the manufacture thereof, extending substantially the full length of the binder and is covered and hidden from view by the material of the binder. The metal plate 11 stiffens the back of the binder and prevents distortion thereof.

Suitable clamping posts 12 are secured to the inner face of the back of binder 10 immediately adjacent each end thereof and extend at a right angle from the back of the binder. An extension on each post 12 extends through the material of the binder back and is rigidly secured to the metal plate 11 by riveting, bolting, welding, or other suitable means. The metal plate 11 serves to firmly support the posts 12 and prevents them from breaking through the material of the back of the binder.

Each of the posts 12 is provided with a central bore 13 which is screw-threaded at its inner end and which may be enlarged or countersunk at its outer end. A longitudinal slot 14 is provided in adjacent sides of each post and extends from the outer end of each post to a point beyond the inner end of the bore 13.

A retaining bar 15 is of a length to extend from a point adjacent the center of one post 12 to a point adjacent the center of the other post 12, and of a thickness to be received edgewise in the slots 14.

The binder 10 has a length such that a magazine or the like may be arranged between the two posts 12. The retaining bar 15 is inserted between the leaves of the magazine or other publication and its ends inserted in the slots 14. Pointed projections or teeth 16 are formed on the edge of retaining bar 15 and are forced through the back or binding of the magazine or the like against the back of the holder. Screw threaded plugs 17 are then inserted in the bores 13 of posts 12 and screwed down into contact with the edge of bar 15, firmly clamping the retaining bar in position and preventing removal of the magazine or other publication 18.

The plugs 17 are substantially shorter than bores 13 and are provided on their ends with heads 19 which are polygonal in cross-section and of smaller size than the plugs 17. The heads 19 are adapted to be engaged by a socket wrench or key 20 of a size to fit within the enlarged ends of bores 13, and when the plugs are in their inner position the heads 19 are arranged completely within the bores 13 and may not be operated to remove the plugs without the key 20.

If it is not desired to countersink the bores 13, the heads 19 may be made sufficiently small to permit the entrance of the key into the bores.

It will be seen that when the plugs 17 are se-

cured in position in the posts 12, they securely clamp the bar 15 and magazine or the like 18 in position within the binder against removal by any unauthorized person. The plugs can only be removed by the use of key 20, and while in position in the posts they effectively lock the bar 15 in position. The plugs 17 may be readily removed by means of key 20 when it is desired to replace the magazine 18. A large number of holders may be provided with plugs having heads 19 of similar size and contour so that a single key will suffice to operate them all.

The binder of this invention is strengthened by the plate 11 carrying the posts 12 and has no parts subject to undue wear or breakage. Due to the permanent fastening of the posts to the plate, they cannot be pulled loose to permit removal of the magazine. The posts are covered by the sides of the holder when the holder is not in use for reading, and the plugs are easily removed when it is desired to replace the magazine.

While I have shown and described the preferred embodiment of my invention, it is to be understood that various changes in the shape, size and arrangement of parts may be resorted to without departing from the spirit of my invention or the scope of the subjoined claims.

Having thus described my invention, what I claim and desire to protect by Letters Patent is:

1. In a binder, a cover having spaced posts rigidly connected thereto, said posts having bores therein and slots in the adjacent sides communicating with the bores thereof, a completely removable retaining bar between the posts disposed in said slots and extending into the bores of the posts, and removable plugs received in the bores of the posts for engaging the portions of the retaining bar extending into the bores and adapted to urge the retaining bar uniformly throughout its length to adjustable clamping engagement with said cover.

2. In a binder, a cover having a back and side sections, spaced posts rigidly connected to the back of the cover and having bores therein, there being slots in adjacent sides of said posts communicating with the bores thereof, a completely removable retaining bar between the posts disposed in said slots and extending into the bores of the posts, removable plugs received in the bores of the posts for engaging the portions of the retaining bar extending into the bores and adapted to urge the retaining bar uniformly throughout its length to adjustable clamping engagement with the back of the cover, said plugs being of less length than the posts to be arranged completely within the bores thereof in operative position.

3. In a binder, a cover having a back and side sections, spaced posts rigidly connected to the back of the cover and having threaded bores and slots in adjacent sides communicating with the said bores thereof, a completely removable retaining bar between the posts disposed in said slots and extending into the bores of the posts, removable threaded plugs received in the threaded bores of the posts and engaging the portions of the retaining bar extending into the bores to urge the retaining bar to clamping engagement with the back of the cover, said threaded engagement of the plugs in either post permitting a uniform, adjustable clamping action of the retaining bar throughout its length for most effectively holding articles of various thicknesses.

4. In a binder, a cover having a back and side sections, spaced posts rigidly connected to the back of the cover and having threaded bores and slots in adjacent sides communicating with the said bores thereof, a completely removable retaining bar between the posts disposed in said slots with the extremities thereof extending into the bores of the posts, removable threaded plugs received in the threaded bores of the posts and engaging the extremities of the retaining bar extending into the bores to urge the retaining bar to clamping engagement with the back of the cover, said threaded engagement of the plugs in either posts permitting a uniform, adjustable clamping action of the retaining bar throughout its length for most effectively holding articles of various thicknesses, said plugs being of less length than the posts to be arranged completely within the respective bores in their operative position.

5. In a binder, a cover having a back and side sections, spaced posts rigidly connected to the back of the cover, said posts each comprising a threaded bore and a wall surface, slots in adjacent sides of the posts communicating with the said bores thereof, a completely removable retaining bar between the posts disposed in said slots to engage said wall surfaces with the extremities thereof extending into the bores of the posts, removable threaded plugs received in the threaded bores of the posts and engaging the extremities of the retaining bar extending into the bores to urge the retaining bar uniformly throughout its length to clamping engagement with the back of the cover, the said engagement of the retaining bar with the wall surfaces of the posts preventing longitudinal movement of the retaining bar in operative position.

6. In a binder, a cover having a back and side sections, spaced posts rigidly connected to the back of the cover, said posts each comprising a threaded bore and a wall surface, slots in adjacent sides of the posts communicating with the said bores thereof, a completely removable retaining bar between the posts disposed in said slots to engage said wall surfaces with the extremities thereof extending into the bores of the posts, removable threaded plugs received in the threaded bores of the posts and engaging the extremities of the retaining bar extending into the bores to urge the retaining bar to clamping engagement with the back of the cover, said threaded engagement of the plugs in either post permitting a uniform, adjustable clamping action of the retaining bar throughout its length for most effectively holding articles of various thicknesses, and the said engagement of the retaining bar with the wall surfaces of the posts preventing longitudinal movement of the retaining bar in operative position.

LEO PICARD.