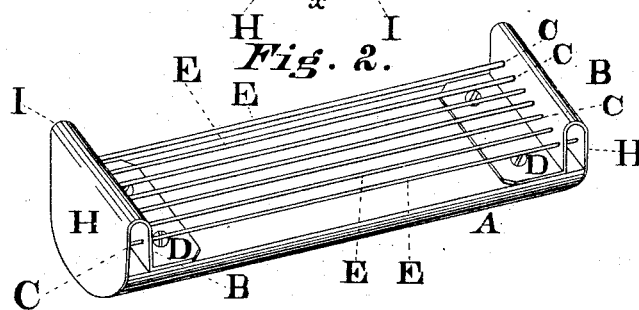
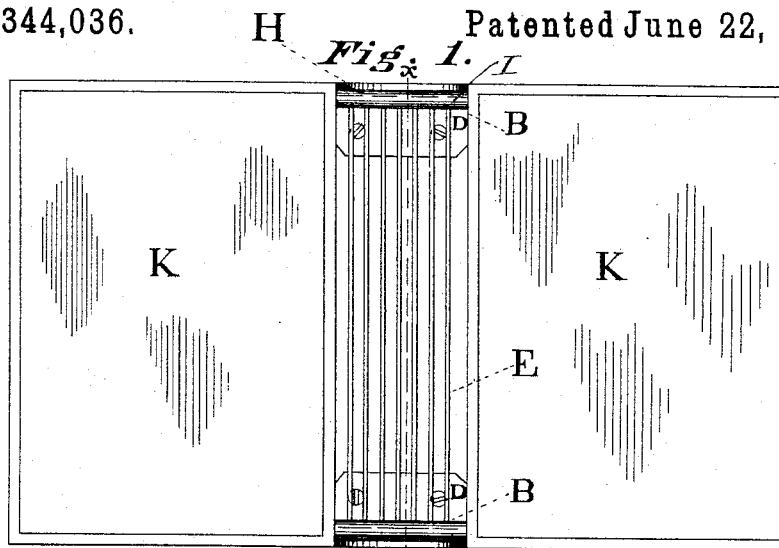


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UNITED STATES PATENT OFFICE.

ALEXANDER DOM, OF MOUNT HEALTHY, OHIO.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 344,036, dated June 22, 1886.

Application filed May 27, 1884. Serial No. 132,978. (No model.)

To all whom it may concern:

Be it known that I, ALEXANDER DOM, a resident of Mount Healthy, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

My invention relates to improvements in temporary binders for books, periodicals, pamphlets, music, and the like.

The several features of my invention, and the various advantages resulting from their use, conjointly or otherwise, will be apparent from the following specification and claims.

In the accompanying drawings, Figure 1 represents a view of the interior of a binder, illustrating my invention, the binder being wide open. Fig. 2 represents a view in perspective of the back of the binder, the cloth being removed. Fig. 3 represents a central vertical longitudinal section of the binder, taken at the dotted line *xx* of Fig. 1. Fig. 4 represents a detached view of one of the end pieces employed to support the adjacent ends of the bars or rods. Figs. 5 and 6 represent modifications of certain features of my invention.

I employ a back, A, of any suitable form and description, serving as a foundation and support for my device. At or near each end of the back, and projecting therefrom, are a series of rod or bar supports, preferably formed together, and constituting one flange or ridge, B. Each of these rod-supports is provided with holes C, and where a flange B is employed this flange contains these holes C. These rod or bar supports are suitably connected to the back. Where a flange, as B, is employed, a desirable method of securing the flange to the back consists, as shown, in forming a foot, D, on the lower edge of the flange, bent at right angles to the flange B, and screwed, nailed, or otherwise fastened to the back. Into these holes C are inserted the ends of the rods or bars E, one end of a rod or bar being inserted into the hole in the flange B at one end of the back, and the other end of the rod being inserted into the hole in that flange B which is at the other end of the back.

Suitable means or stops for preventing the rods or bars from slipping longitudinally in

the holes C are to be employed. A preferred means for preventing the rods or bars from thus slipping longitudinally consists in the following provision—viz: A plate, H, is located at or near the end of the back and on that side of the adjacent flange B which is nearest to the adjacent end of the said back A. This plate H is preferably located at the end of the back, and forms an end finish for the back itself. This plate is secured in any suitable manner to the back. This plate may, also, instead of being separated from the flange B, be formed in one piece with or united thereto in any suitable manner. A preferred mode of thus securing it consists in forming it in one piece with the flange B by extending the latter at its upper or otherwise free end, and bending the said free end so extended over and down, as shown in Figs. 1, 2, 3, and 4. The flange will then be united to the plate H by the bend I.

The construction of the rod or bar support and stop at each end of the back is preferably the same.

In removing a rod or bar E the same is bent at its middle portion away from the back. Such bending will shorten the length of the bar so far as the back is concerned, and withdraw its end or ends from the holes C aforementioned. A book or pamphlet or folded sheet, &c., being so placed so that its folded back is next to the back A of the binder, one of the rods or bars E is laid in the inside of said fold or back of said book, pamphlet, folded sheet or the like. The respective ends of the rods or bars are now inserted into the respective holes C in the supports B by bending the rod or bar, as aforementioned. These rods or bars are made of any suitable material, preferably of elastic or spring metal, in order that after being bent or flexed in the act of removal from the supports B or insertion therein, they may resume their original straight shape.

As before mentioned, the means for stopping the longitudinal movement of the rods or bars in the supports may be varied. These means for stopping the said lengthwise movement may be extraneous from the bar or rod, or be connected with and form a part of the rod or bar. In the latter case I have shown in Fig. 5 a few of the various modes in which

the stop may be connected with the rod or bar. Thus *a* represents a bar shouldered down at *a'*, and having an extension, *a²*, to enter the hole of the support B, and *b* represents a bar or rod shouldered down at one side, *b'*, and having an extension, *b²*, to enter the hole of the support B.

c represents a rod or bar provided with an annular flange or collar, *c'*, serving as a stop. *d* represents a rod or bar bent at *d'* so as to form a shoulder to serve as a stop.

The bars or rods may be of any desired shape in cross-section, bars flat or round being preferred, and the ends of the bars or rods entering the holes in the supports may be of any desired shape in cross-section, and the holes in the supports are preferably formed to correspond to the shape of the bars. Thus in Fig. 4 a few of the various shapes of said holes are shown. The holes may also be in two or more parallel lines, and dodge each other, as shown.

The covers K of the binders may be united to back in any suitable manner.

What I claim as new and of my invention, and desire to secure by Letters Patent, is—

1. The combination of the rods E and the supports B, each provided at its lower edge with a flange, D, connected to back A, and the end plate, H, placed at the rear of the adjacent support B, and forming a stop for the rods E, substantially as and for the purposes specified.

2. In a binder, the supports B, provided with the holes C, and connected at its lower edge with the flange or plate D, extending at right angles to support B and attached to the inner portion of the back A, and end plate, H, connected at its top edge to the top edge of support B by bend I and the rods E, substantially as and for the purposes set forth.

ALEXANDER DOM.

Witnesses:

W. E. DOM,
A. M. ROBERTS.