(No Model.)

W. H. BENSON.

TEMPORARY BINDER.

No. 524,456. Patented Aug. 14, 1894.

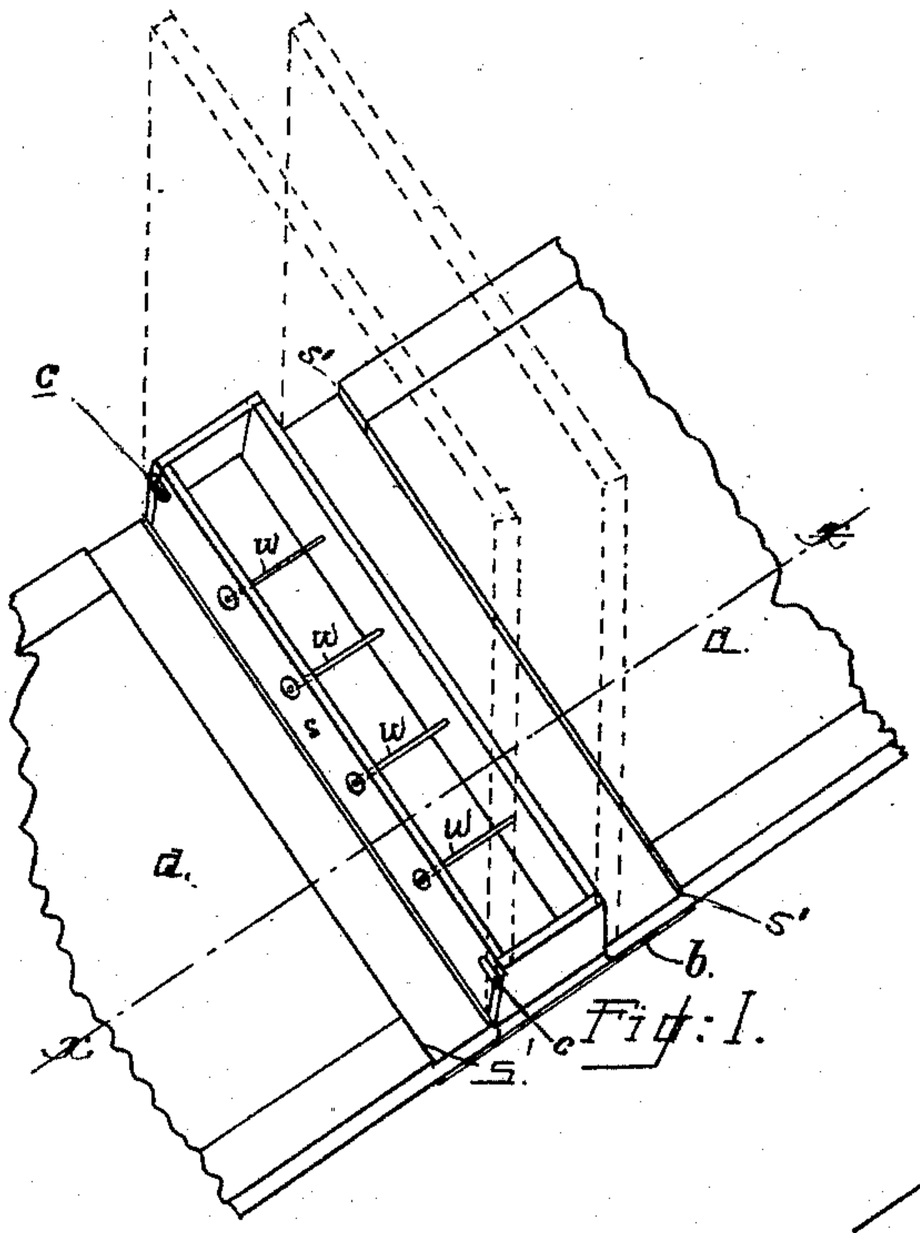

Fig. I.

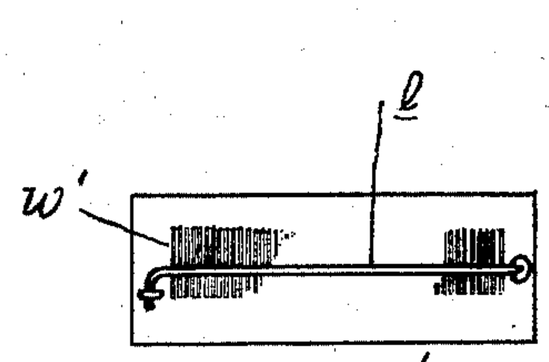

Fig. V.

Fig. III.

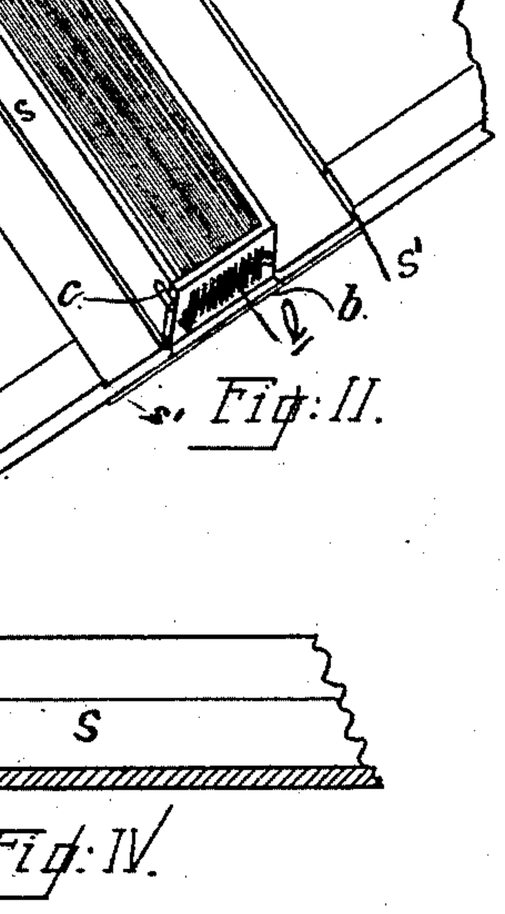

Fig. II.

Fig. IV.

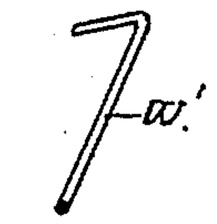

Fig. VI

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UNITED STATES PATENT OFFICE.

WILLIAM H. BENSON, OF YOUNGSTOWN, OHIO.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 524,456, dated August 14, 1894.

Application filed December 29, 1893. Serial No. 495,070. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. BENSON, a citizen of the United States, residing at Youngstown, in the county of Mahoning and State of Ohio, have invented certain new and useful Improvements in Temporary Binders; and I do hereby declare the following to be a full, clear, and exact description of my invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

The object of my invention is a combined newspaper file and temporary binder, adapted to use in filing and binding in a removable manner newspapers and other periodical publications, in such manner that the filing for ready reference may be instantly and easily effected, and which is a complete binding that may be maintained as long as desirable, and from which the publications are readily removable for the waste basket, or for another form of binding, thus supplying that which is a desideratum to persons of the newspaper profession, and to others having occasion to preserve the current publications of the day. I accomplish this object by the means hereinafter described and illustrated in the drawings, in which the trough T is exaggerated to better show its construction, and in which drawings—

Figure I is an isometric view of my combined file and binder equipped to receive newspapers. Fig. II is a similar view of the same equipped to receive such publications as should not be punctured. Fig. III is a cross section view of the same as shown at Fig. I on the line *x x* thereof. Fig. IV is a view of a section of the hinged side *s* of the trough T, showing the catch *c* by which the side is held in a closed position. Fig. V is an end view of the trough T showing the thumb-latch *l* that holds the wires *w'* in place therein; and Fig. VI is a side view of a section of the wire *w'* showing the bend in the same.

Parts are indicated by letters, and similar letters refer to similar parts in all views.

In general appearance my combined newspaper file and temporary binder is that of a bound volume, thin when used as a file and not filled, and of the usual proportions when filed and used as a bound volume. It has the usual cover formed by the flaps *a a*, joined together by the canvas or leather back-strip *b*, according to the well known practice of book-binders. The flaps are necessarily of strong thick material, preferably paste-board. The thickness of each flap *a* is similarly diminished for a distance inward from the inner edge suitable to form the shoulder *s'*, that, parallel with the inner edge, rests over the upper edge of the sides of the trough T when the volume is closed, as seen at Fig. III in dotted lines.

To the inner side of the back strip *b*, and centrally between the flaps *a a*, is glued, longitudinally, the rectangular trough T, the same being preferably of light wood sides and pasteboard bottom, shallow, and of the breadth required to hold compactly the margins of the number of publications for which the file and binder is intended. The side *s* of the trough T is hinged so as to swing outward as seen at Fig. III, preferably by means of a strip of leather, or of some textile fabric, glued to its outer surface and also to the thinner portion of the flap *a*, adjacent. It is locked in the closed position by the similar flat metal catches *c c*, pivoted on the vertical edges of the trough end pieces, as shown most plainly at Fig. IV. At suitable intervals along the length of the side *s*, and a little below its upper edge, there appear upon its inner surface round holes passing, preferably, only a part of the way through it. These holes are to receive the pointed ends of the transverse wires *w*, which are suitably strong steel wires planted rigidly in the side opposite, a wire opposite each hole. It will be seen that when the side *s* is open and the margin of a newspaper is placed against the points of the wires *w*, readily made perfectly even by the touch of its edge upon the bottom of the trough, the closing of the side *s* drives the wires through the paper, and the file and bind is complete.

For the filing and binding of periodicals that must not be punctured I vary the means of holding the paper by substituting for the transverse wires *w* the longitudinal wires *w'*, designed for place between the folds of each periodical, the number of the wires *w'* corre-

sponding to the number of periodicals for which the file and binder is designed.

The wire w' is necessarily long and at one end is bent to a right angle for a purpose that will presently be seen. To provide for the wires w' both ends of the trough T are perforated with holes in alignment, one end being provided upon the outer side with the thumb-latch l, which is of flat metal employing suitable staples for pivot and catch. The wires w' when in place extend between and through the trough ends, the bent portions hanging downward between the outer surface of the same trough end and the latch l, whereby they are held in place.

It will be seen that by opening the latch l a wire w' may be readily put into place between the folds of a periodical the edge of which has first been placed in the trough T and thrown slightly apart to admit it, and that when the latch l is closed, as indicated the filing and bind is complete.

The manner of removing newspapers and other periodicals from my file and binder will be understood without statement.

As it is apparent that the fastening of newspapers and other periodicals within the trough T may be effected by various other means than those above described, I do not limit myself to the use of the wires w and w' but include as within the scope of my invention the combination of the other parts of my file and binder with any means for securing newspapers and periodicals within the trough T.

My invention will now be understood and its value, whether used as a file, or as a temporary or permanent binding, will be appreciated.

What I claim is—

1. The combined newspaper file and temporary binding, consisting of a cover formed of the two flaps a a, each having near to and parallel with the inner edge the shoulder s' and joined to the back-strip b, to which is glued the back of the shallow, rectangular trough T, the side s of which is hinged to the adjacent flap a and is provided with the catches c c, in which trough T appear the transverse wires w set rigidly in the fixed side of the trough T their pointed ends entering the side s thereof when closed, all substantially as described and for the purpose expressed.

2. The combined newspaper and periodical file and binder consisting of a cover formed of the flaps a a, each having near to and parallel with its inner edge the shoulder s' and joined by the back-strip b to which is glued the back of the shallow, rectangular trough T, having the side s hinged to the adjacent flap a, and provided at each end with a catch c, which trough T is supplied with a means for receiving and retaining the margins or edges of periodicals, all substantially as described and for the purpose expressed.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

WILLIAM H. BENSON.

Witnesses:

C. E. KENNEDY,

C. E. CHAFFEE.