(No Model.)

J. F. BROWN.

TEMPORARY BINDER.

No. 399,737. Patented Mar. 19, 1889.

Fig. 1.

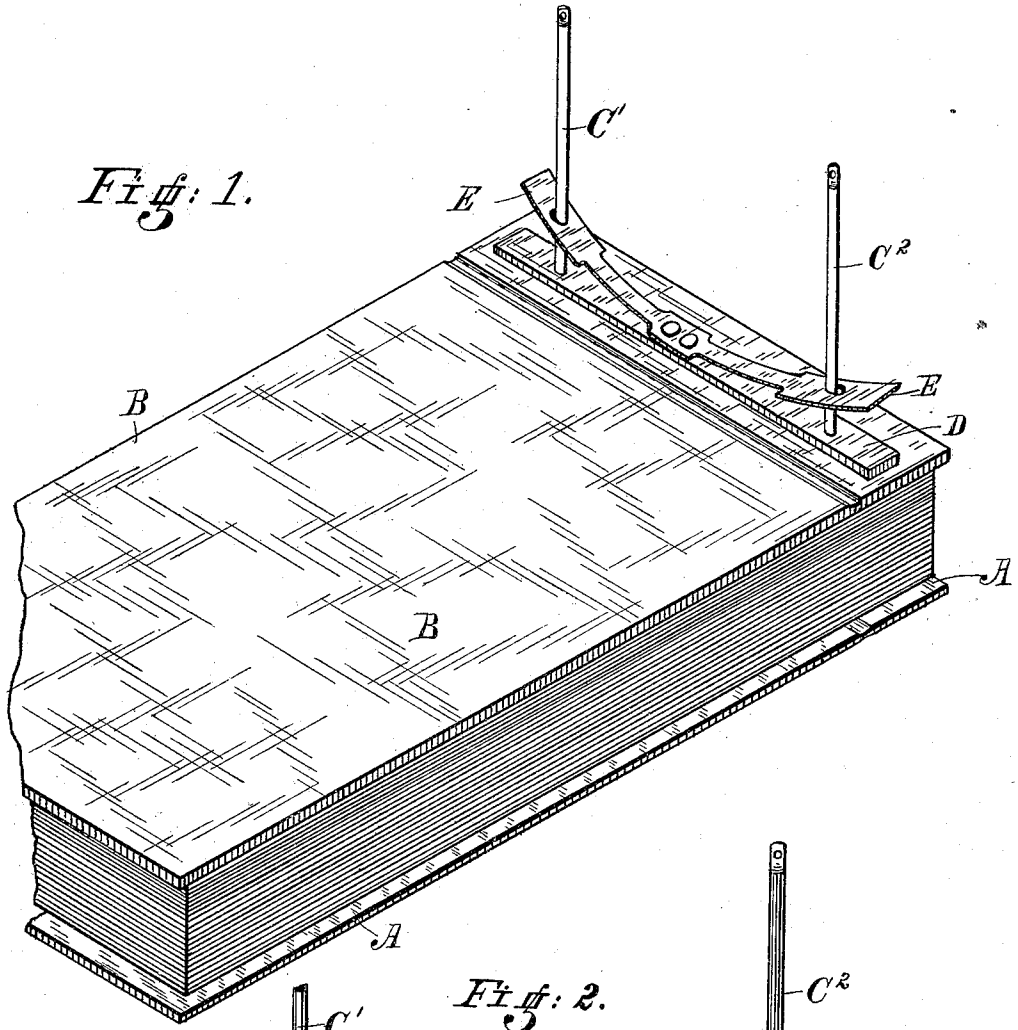


Fig. 2.

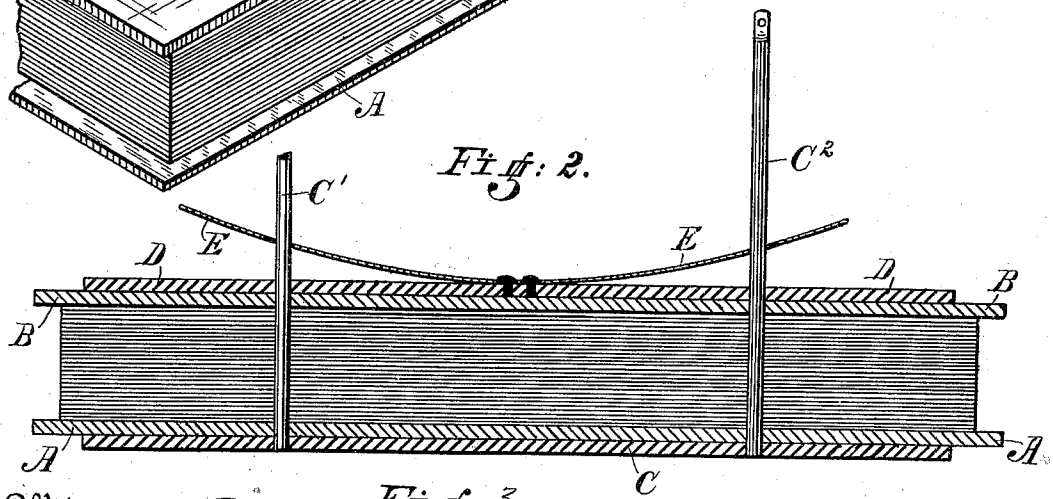
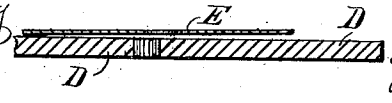


Fig. 3.



Witnesses.
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UNITED STATES PATENT OFFICE.

JOHN F. BROWN, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO ALBERT R. BAKER, OF SAME PLACE.

TEMPORARY BINDER.

SPECIFICATION forming part of Letters Patent No. 399,737, dated March 19, 1889.

Application filed February 15, 1888. Serial No. 264,059. (No model.)

To all whom it may concern:

Be it known that I, JOHN F. BROWN, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Temporary Binders, of which the following is a specification.

The object of my said invention is to produce a file or binder for orders, letters, invoices, and other papers, which may be quickly and easily used, either in placing the papers upon the file or removing them therefrom.

Said invention consists, essentially, in a peculiarly-formed spring-clamp, as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof, and on which similar letters of reference indicate similar parts, Figure 1 is a perspective view of a binder embodying my said invention; Fig. 2, a transverse section thereof through the clamp, and Fig. 3 a detail section similar to a portion of Fig. 2 when the clamp-bar is removed from the rods.

In said drawings, the portion marked A represents the lower board of the file; B, the upper board; C, the lower clamping-bar; D, the upper clamping-bar; and E, the spring-clamp, which is the particular feature of my present invention. These several parts, as before stated, are not dissimilar to similar parts of such binders heretofore used, except the spring-clamp E. The top and bottom boards, A and B, are each provided near the clamped end with flexible portions, which serve as hinges. The lower clamping-bar, C, has two upwardly-projecting rods, C′ and C^2, which extend up through said boards, the upper clamping-bar, D, and the spring-clamp, as shown. These rods are flattened at the upper ends and provided with holes in the flattened portions, through which strings may be inserted and the papers thus strung together when they are to be removed from the file. The upper clamping-bar, D, is provided with holes, through which the rods C′ and C^2 pass, and, so far as its own construction is concerned, it is free to move up and down on said rods freely. The spring-clamp E is a flat spring secured in the center rigidly to the clamping-bar D. At points nearly over the holes in said bar D, through which the rods C′ and C^2 pass, are formed slightly-elongated holes in the ends of this spring. Normally when said clamping-bar is removed from said rods the holes in said bar would be partly covered by the spring—that is, they would not register exactly therewith—being formed somewhat farther out from the center than are the holes in said bar. When, however, said bar D is placed upon the rods C′ and C^2 and forced down, it forces up the ends of the spring until said rods will pass through the holes therein, and the parts then assume the position shown in the drawings. It will be readily understood that these spring ends when in this position act as friction-brakes and keep the top clamp-bar firmly down against the upper board of the file.

The operation is as follows: To remove the upper clamp-bar it is only necessary to lift up on the outer ends of the spring clamp, and after this clamp-bar is removed of course the upper board is easily taken off. The paper being punched is placed over the upright rods C′ and C^2, the board replaced, and the clamp placed over the board, being forced down until it rests closely against the upper surface of the top board, and the papers are thereby held firmly in position.

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

1. In a temporary binder, the combination of a base, rods extending upwardly from said base, a clamp-bar provided with holes and mounted to slide on said rods, and a spring-clamp secured to said clamp-bar and also provided with holes which do not quite register with the holes in the bar, whereby, when the clamp-bar is slid to any position on said rods, said spring-clamp serves as a friction-brake and automatically secures it from any upward movement, substantially as set forth.

2. In a temporary binder, the combination of a base, rods extending upwardly from said base, a clamp-bar mounted to slide on said rods, and a spring-clamp secured to said clamp-bar at its center and extending out and impinging against said rods, the distance be-

tween the points which impinge against said rods being slightly greater than the space between the perforations in the clamp-bar, substantially as described, and for the purposes specified.

3. The combination, in a temporary binder, of the upper and lower file-boards, a lower clamp-bar having upwardly-projecting rods, an upper clamp-bar having holes and adapted to be placed over said rods, and a spring-clamp, E, secured to the upper clamp-bar and also having holes, which, however, are slightly farther from the center than the holes in the clamp-bar, substantially as shown and described.

In witness whereof I have hereunto set my hand and seal, at Indianapolis, Indiana, this 14th day of February, A. D. 1888.

JOHN F. BROWN. [L. S.]

Witnesses:
C. BRADFORD,
E. W. BRADFORD.