

W. CHASE.

TEMPORARY BINDERS FOR PAPERS.

No. 172,968.

Patented Feb. 1, 1876.

Fig. 1.

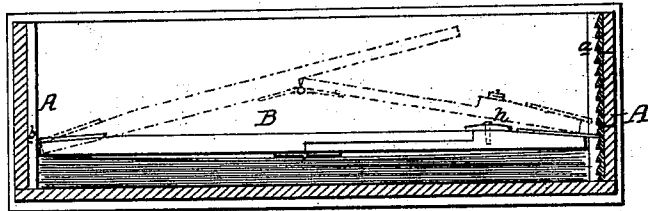


Fig. 2.

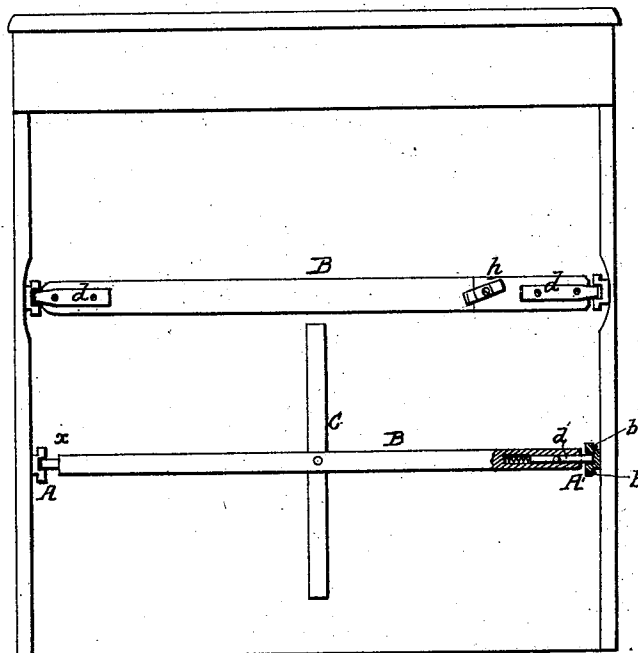


Fig. 3.

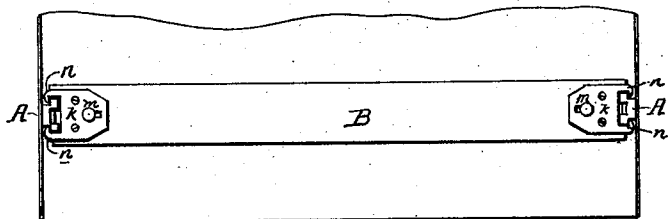


Fig. 4.

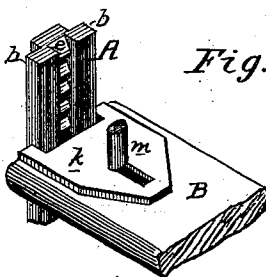
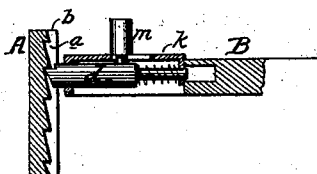


Fig. 5.



Witnesses:

George Thoms,  
C. A. Cooper

Wesley Chase  
By his atty,  
Charles Elster

# UNITED STATES PATENT OFFICE.

WESLEY CHASE, OF BUFFALO, NEW YORK.

## IMPROVEMENT IN TEMPORARY BINDERS FOR PAPERS.

Specification forming part of Letters Patent No. **172,968**, dated February 1, 1876; application filed January 6, 1876.

### *To all whom it may concern:*

Be it known that I, WESLEY CHASE, of Buffalo, Erie county, New York, have invented a Temporary Binder for Papers, &c., of which the following is a specification:

The object of my invention is to secure papers within boxes, drawers, cases, &c.; and this object I attain by the combination of parallel racks and a bar adjustable between the same, as shown in the accompanying drawing, in which—

Figure 1 is a transverse sectional elevation of a letter-file box with my improvement; Fig. 2, a plan view; Fig. 3, a plan view, showing the improvement applied to a sheet-metal box; Fig. 4, a detached perspective view, drawn to an enlarged scale; and Fig. 5, a detached sectional view, drawn to an enlarged scale.

A and A' are racks, having lateral ribs *b b* and a central groove, *a*, in which are the teeth *e*.

Two racks, corresponding in length to the height of the drawer or box in which papers are to be kept, are secured by screws, brads, or otherwise, opposite to each other, to the opposite sides of the box, the abrupt shoulders of the teeth *e* being lowermost.

A bar, B, somewhat shorter than the distance between the racks, has at each end a catch or lip, *d*, each having a flat upper side, adapted to engage the abrupt shoulders of the teeth of the adjacent rack.

The catch at each end of the bar is either stationary or movable, and forms part of the bar, it being necessary to reduce the length of the bar before it can be introduced between the racks. This may be effected by dividing the bar and jointing it in the center, as shown in Fig. 1, the bar being partly folded to introduce the lips beneath the teeth of the racks, and then extended by bringing the central portion flat upon the papers, a turn-buckle, *h*, securing the parts in their position, the papers thus clasped between the bar and the bottom of the box being securely retained. Where the bar is rigid, the lip at end or both ends is made movable, forming a spring-catch, which, if it is provided with a beveled end, as shown in Fig. 5, will slide back as the bar is introduced between the racks and catch beneath the adjacent tooth when the bar has been forced to its lowest position, thus preventing the bar from rising. A pin or but-

ton, *m*, secured to the catch, serves as a means of retracting the same.

The sliding spring-catch may be carried by a plate, *k*, constructed as shown in Figs. 4 and 5, and adapted to be readily secured to the end of a wooden bar; and when the device is to be applied to boxes of sheet metal, or to wooden boxes with thin sides, curved hooks *n n* may be formed on the plate *k*, or otherwise secured to the bar, to extend to the rear of the ribs *b b*, thus preventing the thin sides of the box from being spread apart, so as to remove the racks from contact with the lips or catches.

In order to prevent the papers from rising at the end, a cross-bar, C, may be secured to the bar B, and this cross-bar may be made in the form of a slightly-bent flat spring, so as to bear upon the paper, and may be pivoted, so as to be brought parallel with the bar B when desired.

Boxes, cases, drawers, &c., already in use, may be converted into file holders and retainers, at a nominal expense, by simply securing one or more pairs of racks, A A', to the opposite sides, and adapting a cross-bar thereto.

It will be apparent that the construction of the bar B may be varied, providing it is so made as to permit it to be introduced to its position between the racks and then extended.

I claim as my invention—

1. The bar B, with its lips or catches *d d* projecting beyond the extreme ends of the bar, and the racks A A', each having a single row of teeth parallel to the ends of the bar, all constructed and adapted to each other and to be applied to a drawer or box, as set forth.

2. The combination of the racks A A', having ribs *b b*, and bars having lips or catches *d*, and hooks *n n*, substantially as and for the purpose described.

3. The combination of the adjustable bar B and a cross-bar, C, pivoted thereto, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WESLEY CHASE.

Witnesses:

CHARLES E. FOSTER,  
GEORGE THOM.