

W. H. RUSSELL.
TEMPORARY BINDER.

No. 174,009.

Patented Feb. 22, 1876.

Fig. 1.

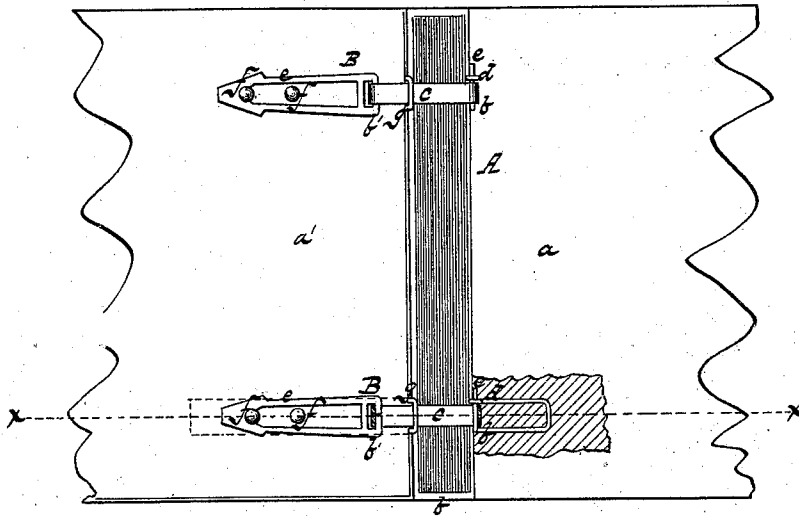


Fig. 2.

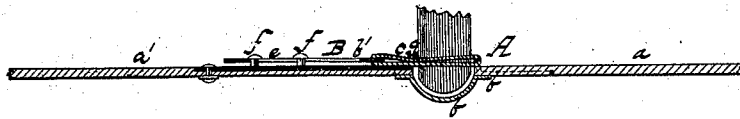
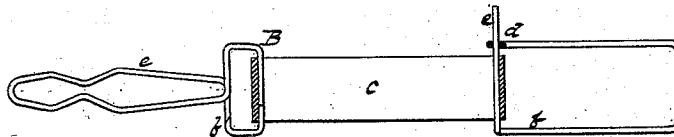


Fig. 3.



Witnesses.

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UNITED STATES PATENT OFFICE.

WILLIAM H. RUSSELL, OF BROOKLYN, NEW YORK, ASSIGNOR TO JOSEPH
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IMPROVEMENT IN TEMPORARY BINDERS.

Specification forming part of Letters Patent No. **174,009**, dated February 22, 1876; application filed
January 21, 1876.

To all whom it may concern:

Be it known that I, WILLIAM H. RUSSELL, of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Portfolios or Binders, which improvement is fully set forth in the following specification, reference being had to the accompanying drawing, in which—

Figure 1 represents a plan or top view partly in section. Fig. 2 is a vertical section in the plane *x x*, Fig. 1. Fig. 3 is a detached sectional plan of a modification of one of the sheet-retainers.

Similar letters indicate corresponding parts.

This invention consists in the combination of a portfolio or binder of a sheet-retainer composed of an elastic strap and two open eyes, one of which is permanently fastened to one leaf of the portfolio or binder, while the other is connected to a loop which can be made to catch over a button secured in the other leaf of the portfolio or binder, so that by passing said loop, together with the elastic strap, through one or more sheets of paper, and then securing the loop on the button, the sheets of paper are firmly retained in the portfolio or binder, and that the elastic strap, whenever it becomes worn out or torn, can be readily removed from its retaining-eyes and replaced by another without disturbing the portfolio or binder.

In the drawing, the letter *A* designates a portfolio or binder composed of two leaves, *a a'*, of pasteboard or other suitable material, and a flexible back, *b*, which forms the connection between the two leaves. With this portfolio or binder is combined sheet-retainer *B*, which is composed of two open eyes, *b b'*, and an elastic strap, *c*. The eye *b* is formed of wire bent in the form of a rectangle, the long sides of which are turned up at one end, one to form a hook, *d*, and the other to form a tongue, *e*, which can be made to engage with the hook *d*. When said tongue is turned down and back it becomes disengaged from the hook *d*, and it can be passed through one end of the elastic strap, and by forcing the tongue back into its hook the strap becomes securely connected to the eye *b*. The eye *b'* is made in one piece with a loop, *e*, and it is either punched out of sheet-metal, as shown in Figs. 1 and 2, or it may be made of a piece of wire, bent as shown in Fig. 3. The outer end of the eye *b'* is split so that

the elastic scrap *c* can be introduced therein, said strap being made in the form of an endless band or with two closed eyes, one at each end. The loop *e* is oblong and provided with a conical head, so that it can be readily passed through the sheets of paper which are to be secured in the portfolio or binder. The eyes *b* of the sheet-retainer are securely fastened in the leaf *a* of the portfolio or binder, and in the leaf *a'* are fastened one or more buttons, *f*, which serve to retain the loop *e*, as shown in Figs. 1 and 2. In practice, two sheet-retainers are secured to the portfolio at a suitable distance from each other, and each sheet, before being introduced into the portfolio, is provided with two slits near its back edge, corresponding to the position of the sheet-retainers. In the inner edge of the leaf *a'* of the portfolio or binder, are secured loops *g g*, and after the retaining-loops *e e*, together with their elastic straps *c c*, have been passed through the slits of the sheets of paper to be secured in the portfolio and through the fixed loops *g g*, they (the retaining loops) are made to catch over the buttons *f*, and the sheets of paper are firmly retained in the portfolio. By providing two or more buttons for each sheet-retainer, the tension of the elastic straps can be accommodated to the quantity of sheets to be secured in the portfolio or binder. If one of the elastic straps becomes worn out or torn, it can be readily disengaged from the open eyes *b b'*, and replaced by another, without disturbing any portion of the portfolio or binder.

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

The combination, with a portfolio or binder, of a sheet-retainer composed of an elastic strap and two open eyes, one of which is permanently fastened to one leaf of the portfolio or binder, while the other is connected to a loop which can be made to catch over a button secured in the other leaf of the portfolio or binder, all constructed and operating substantially in the manner shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand and seal this 12th day of January, 1876.

WILLIAM H. RUSSELL. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.