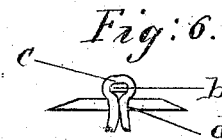
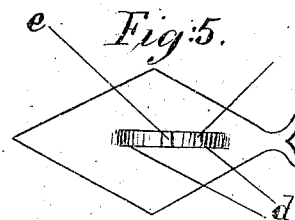
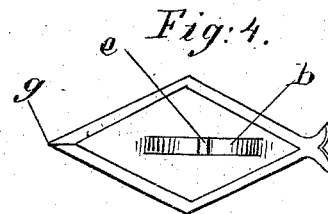
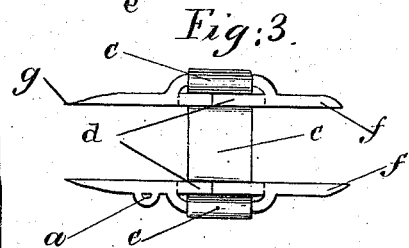
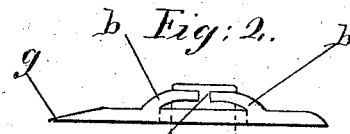
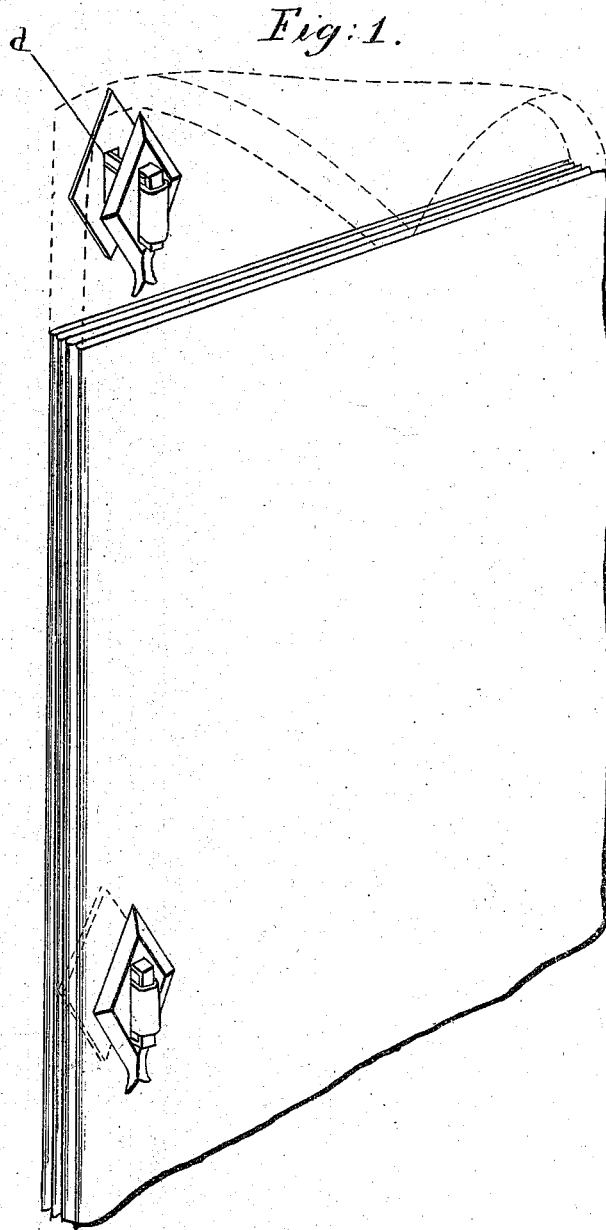


F. M. Smith.
Temporary Binder.
N^o 107,968. Patented Oct. 4, 1870.



Witnesses
Thomas W. Smith
Debate C. Blackman

Inventor
Fillmore M. Smith

United States Patent Office.

FILLMORE M. SMITH, OF SYRACUSE, NEW YORK.

Letters Patent No. 107,968, dated October 4, 1870.

IMPROVEMENT IN TEMPORARY PAPER-BINDERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FILLMORE M. SMITH, of Syracuse, in the county of Onondaga in the State of New York, have invented a new and useful Clasp or Binder for Filing Newspapers and other Periodicals; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a perspective view.

Figure 2 is a longitudinal elevation.

Figure 3 is also a longitudinal elevation, showing the position of the elastic band, which holds in position the upper and lower plates.

Figure 4 is a horizontal plan or projection of one of the plates, showing the upper or outer surface of the plate and the bridge or support, and the slot in the bridge.

Figure 5 is a horizontal plan of one of the plates, showing the lower or inner surface of the plate, together with the slot in the plate, which slot is better seen in fig. 1, *d*.

Figure 6 is a transverse section of one of the plates, showing the position of the band upon the bridge, passing thence through the slot in the plate.

The letters represent the same parts in the different figures in which they appear.

The nature of my invention consists in disposing two metal plates, of suitable size and shape, which are joined and held in position by an elastic band, strap, or cord, so that one of the plates, with a portion of the band attached, may be pressed or drawn through the folded margin of a newspaper or periodical, and so that the elastic band, in contracting, will draw back the plate with its inner face against the paper, holding the papers so inclosed firmly between the two plates.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I take any suitable metal, or alloy, rolled into thin sheets or strips, and cut out thence, by means of suitable appliances, small plates or disks, having the dimensions, in general, of about one inch in length, and one-half an inch in breadth, and one-twenty-fourth of an inch in thickness.

In these plates, in the direction of their greatest length, I cut or punch a slot or opening, having the general measurement of about one-half an inch in length by about one-twelfth of an inch in breadth, so that the portion thus punched out shall not be broken off, but arched upward and stretched, form-

ing the bridge or support *b*, as better shown in fig. 2.

In this bridge *b* I also cut the slot or opening *e*.

I then insert the elastic band *c*, first, through the slot *d*, in the plate *f*, then through the slot *e* in the bridge, and adjust the said band *c* so that it shall rest upon the bridge, substantially as shown in fig. 3.

I then insert and adjust the other end of the band into and upon a second plate, *f'*, of similar construction, in a similar manner, so that the positions of the band *c* and the two plates *f* and *f'* shall be substantially as shown in fig. 3.

One end *g* of the upper plate terminates in a sharp point, and the edges of the plate meeting at the point *g* are also sharpened, as shown in fig. 6, so that the plate shall readily cut the paper which it pierces without tearing the paper more than is intended.

In making use of my invention, the sharp end *g* of the upper plate *f* is pressed through the margin of the paper, which is intended to be filed, so that the incision thus made shall be parallel to the edge of the paper, and, by the stretching of the elastic band *c*, the plate *f* and a portion of the band *c* are drawn through the incision in the paper.

The elastic band *c* is then allowed to contract, so that the plates *f f'* shall press against the paper, holding firmly together the paper or papers thus inclosed between the plates, and substantially as shown in the perspective drawing, fig. 1.

The loop *a*, fig. 3, is intended to admit a chain or cord, by which the clasp and papers attached may be hung up, when desired.

It is obvious that the bridge *b*, instead of being continuous with the plate *f*, may be made of a single piece or of two pieces, separate from the plate, and then soldered or riveted to the plate, forming a bridge or support for the elastic band, substantially as shown in figs. 1, 2, and 3.

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

1. The combination of the slot *d* in a metallic plate, and the bridge or support *b*, and the slot *e* in the bridge, substantially as and for the purpose hereinbefore set forth.

2. The combination of the metallic plates *f f'*, substantially as hereinbefore described, with the elastic band, strap, or cord *c*, substantially as and for the purpose hereinbefore set forth.

FILLMORE M. SMITH.

Witnesses:

VIOUS W. SMITH,
DE WITT C. MARKHAM.