

S. W. YOUNG.
Improvement in Paper-Files.

No. 114,504.

Patented May 2, 1871.

Fig. 1.

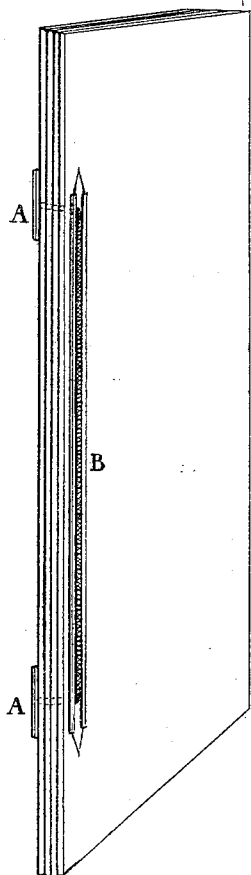


Fig. 2.

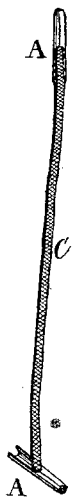
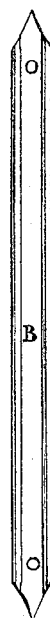


Fig. 3.



Witnesses, *Chas L. Spencer*
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United States Patent Office.

SOLOMON W. YOUNG, OF PROVIDENCE, RHODE ISLAND.

Letters Patent No. 114,504, dated May 2, 1871.

IMPROVEMENT IN PAPER-FILES.

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, SOLOMON W. YOUNG, of Providence, in the county of Providence and State of Rhode Island, have invented a new and useful Improved Binder for Pamphlets, Papers, &c.; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof, in which—

Figure 1 represents my improvement as attached to periodicals.

Figure 2 shows the tips connected with an elastic cord.

Figure 3 is a front view of the stay.

My invention consists in forming a tip, in combination with an elastic cord and stay, as a self-binder for pamphlets, papers, &c.

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

In the accompanying drawing—

A, fig. 2, represents metallic tips fastened to the ends of an elastic cord, one-half of which is closed as a tube over the ends, for their security, similar to an ordinary lacing-tip; the other portion is curved in the same line as a groove, which admits of the elastic cord to lie within them while in the process of binding.

In securing papers or pamphlets together, as repre-

sented in fig. 1, these tips are made to operate as cross-bars by the elasticity of the cord holding them from their sides. Both of these positions are represented in fig. 2.

B, fig. 3, is a metallic stay, with raised edges, for the cord to lay between them.

A hole is made at each end for the purpose of holding it in its proper place when in use.

To prevent the edges of the hole from cutting the elastic while in use the edges are turned under similar to an eyelet.

To use my invention, (the elastic cord being on the stay,) the tips are passed through holes punched in the pamphlets or papers to be bound, the elasticity of the cord holding them together, as shown in fig. 1.

In the finishing of yearly numbers a stay can also be put upon the opposite side, and held there by the bar-tips, which makes a neat finish.

I am aware that book-stays have been made and used before, but not in the manner herein set forth.

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

The half-way open tubes A, the elastic cord C, and the channeled stay B, all constructed and applied together, as and for the purpose specified.

SOLOMON W. YOUNG.

Witnesses:

CHARLES SELDEN,
JOHN C. PURKIS.