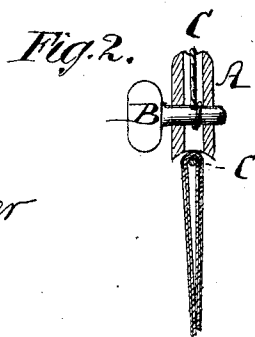
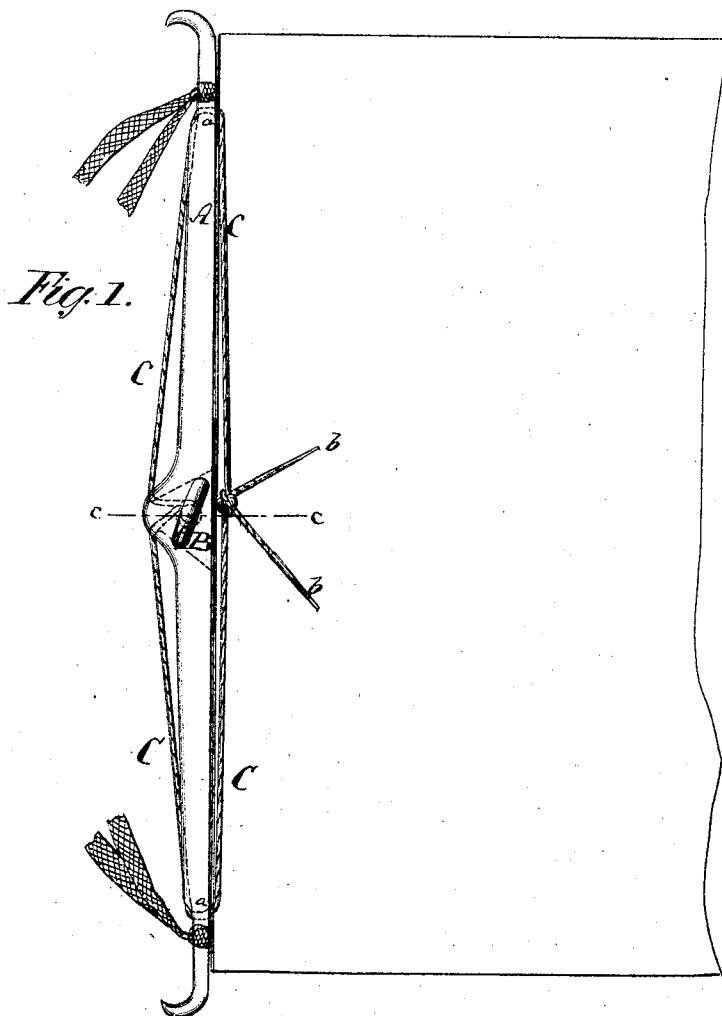


E. MOTZ.

Paper-Files.

No. 135,144.

Patented Jan. 21, 1873.



Witnesses:

John Becker
C. Sedgwick

Inventor:

E. Motz
Attorneys.

PER

UNITED STATES PATENT OFFICE.

EMANUEL MOTZ, OF WOODWARD, PENNSYLVANIA.

IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. **135,144**, dated January 21, 1873.

To all whom it may concern:

Be it known that I, EMANUEL MOTZ, of Woodward, in the county of Centre and State of Pennsylvania, have invented a new and Improved Paper-File, of which the following is a specification:

Figure 1 is a face view of my improved paper-file. Fig. 2 is a transverse section of the same on the line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

This invention relates to an improved device for holding newspapers or other papers filed; and consists in the combination of a plain rod with a binding-string and winding-pin, the bar furnishing the rigid back for the papers filed, while the string ties the papers together and to the file, the pin holding the string in proper tension.

A in the drawing represents a bar made of wood or other material, as long, about, as the folded papers to be filed, and either of plain form or curved and decorated in suitable manner. B is a pin, fitted through the middle of the bar A, with a handle or knob at the end to be easily turned. C is a string, fastened in the middle to the pin B, and carried toward

the ends of the bar and through holes in the bar. The ends of the string C have metallic tips *b b*, like shoe-strings.

The tips are used to pierce the paper in line with the holes *a* of the bar, and to thereby connect the paper to the bar. The string, being tied after its ends have been drawn through the paper is drawn tight by a few turns of the pin B, which winds it up. In this manner a very simple and effective file is produced, which can be used to file one paper within the other, or one upon the other, as may be desired.

Instead of making the string in one piece it may be made in two pieces, each being fastened with one end to the pin B.

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

The paper-file composed of the bar A, pin B, and string C, substantially as herein shown and described.

EMANUEL MOTZ.

Witnesses:

A. V. BRIESEN,
ROBT. J. MITCHELL.