

J. MATTHIAS.

Improvement in Paper-Files.

No. 132,478.

Patented Oct. 22, 1872.

Fig. 1.

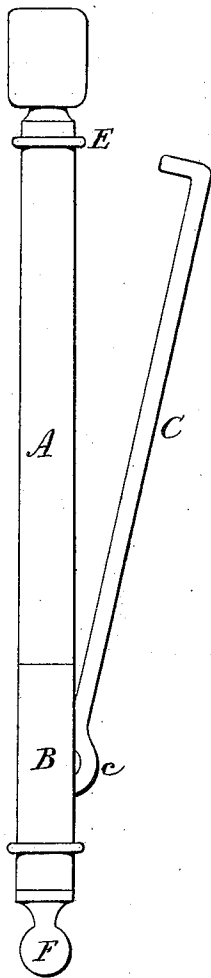


Fig. 2.

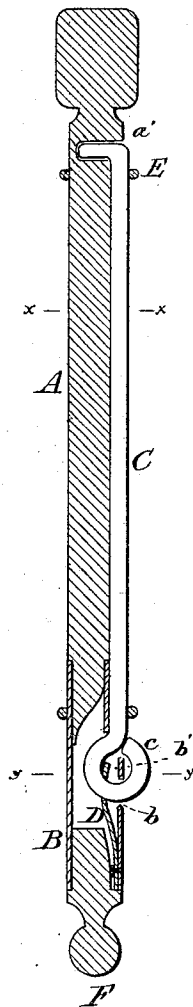


Fig. 3.



Fig. 4.



Witnesses,

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# UNITED STATES PATENT OFFICE.

JOSEPH MATTHIAS, OF NEW YORK, N. Y.

## IMPROVEMENT IN PAPER-FILES.

Specification forming part of Letters Patent No. 132,478, dated October 22, 1872.

*To all whom it may concern:*

Be it known that I, JOSEPH MATTHIAS, of New York, in the county of New York and in the State of New York, have invented certain new and useful Improvements in Paper-Files; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side elevation of my improved device; Fig. 2 is a central longitudinal section of the same; and Figs. 3 and 4 are cross-sections upon lines *x x* and *y y* of Fig. 2.

Letters of like name and kind refer to like parts in each of the figures.

The object of my invention is the production of a cheap, simple, and efficient means for confining newspapers in a suitable form for reference; and it consists principally in the combination, with the binding-rod and ferrule, of a spring, substantially as and for the purpose hereinafter shown; it consists further in the device as a whole, when its several parts are constructed and combined substantially as and for the purpose hereinafter set forth.

In the annexed drawing, A represents a wooden bar, having, preferably, a cylindrical form, and being provided upon or within one side with a half-round groove, *a*, which extends longitudinally from one end to a point near the opposite end, and terminates in a circular opening, *a'*, that extends transversely nearly through said bar. Fitted to or upon the end of the bar A opposite to that containing the opening *a'*, is a metal ferrule, B, which, exteriorly, corresponds in size and shape to the like features of said bar, and forms a continuation of the same. The groove *a* is continued for a short distance within the ferrule B, and at its end and lower side is slotted, so as to form an opening into the interior of the same. Immediately in rear of the end of the groove *a* a slot, *b*, is formed within the ferrule B, and within the same and the slotted end of said groove is placed the circular end or eye *c* of a metal rod, C, as shown in Fig. 2. From the ferrule B the metal bar C extends longitudinally along or within the groove *a*, and at its opposite end is bent inward at a right angle, so as to fit into the opening *a'*. As the eye *c* has an interior diameter that is considerably greater than the bar *b'*, formed by the metal of the ferrule between the slotted end of the groove and the slot *b*, a certain de-

gree of outward motion is permitted to said eye, and in order that the same may be drawn inward so as to cause an elastic pressure of the bar C upon or against the wooden bar A, a flat spring, D, is secured to or upon the inner side of said ferrule, and has its end provided with an opening which receives and surrounds one side of said eye. As thus arranged, the spring D is curved away from the wall of the ferrule, so as to cause it to exert an inward pressure upon the eye and hold the end of its bar firmly within the groove. The opposite end of the metal bar is confined in position by means of a rubber ring, E, which surrounds the same and the wooden bar, as seen.

The outer end of the ferrule being suitably filled with an ornamental plug, F, the device is complete and is used as follows: The outer end of the metal bar is released and said bar turned away from the wooden bar sufficiently to enable the insertion of a paper between said parts, after which said metal bar is returned to place and secured by means of the rubber ring E. As the papers accumulate and their thickness between the bars increase, the spring D and rubber ring E enable the parts to conform thereto, while at the same time they hold said parts firmly in position, and prevent the accidental displacement of the papers. The angular end of the metal binding-bar serves as a guide, and insures the lateral position of said bar when it is raised above the groove.

Having thus fully set forth the nature and merits of my invention, what I claim as new, is—

1. The ferrule B, the binding-rod C provided with the eye *c*, and the spring D contained within said ferrule and embracing said eye, when said parts are constructed and combined substantially as and for the purpose specified.

2. The hereinbefore-described paper-file, consisting of the bar A, the ferrule B, the rod C and *c*, the spring D, and the rubber ring E, all constructed and combined substantially as and for the purpose shown.

In testimony that I claim the foregoing I have hereunto set my hand this 17th day of September, 1872.

JOSEPH MATTHIAS.

Witnesses:

GEO. S. PRINDLE,  
EDM. F. BROWN.