(No Model.)

W. H. FOX.

PAPER FILE.

No. 301,352. Patented July 1, 1884.

Fig. 1.

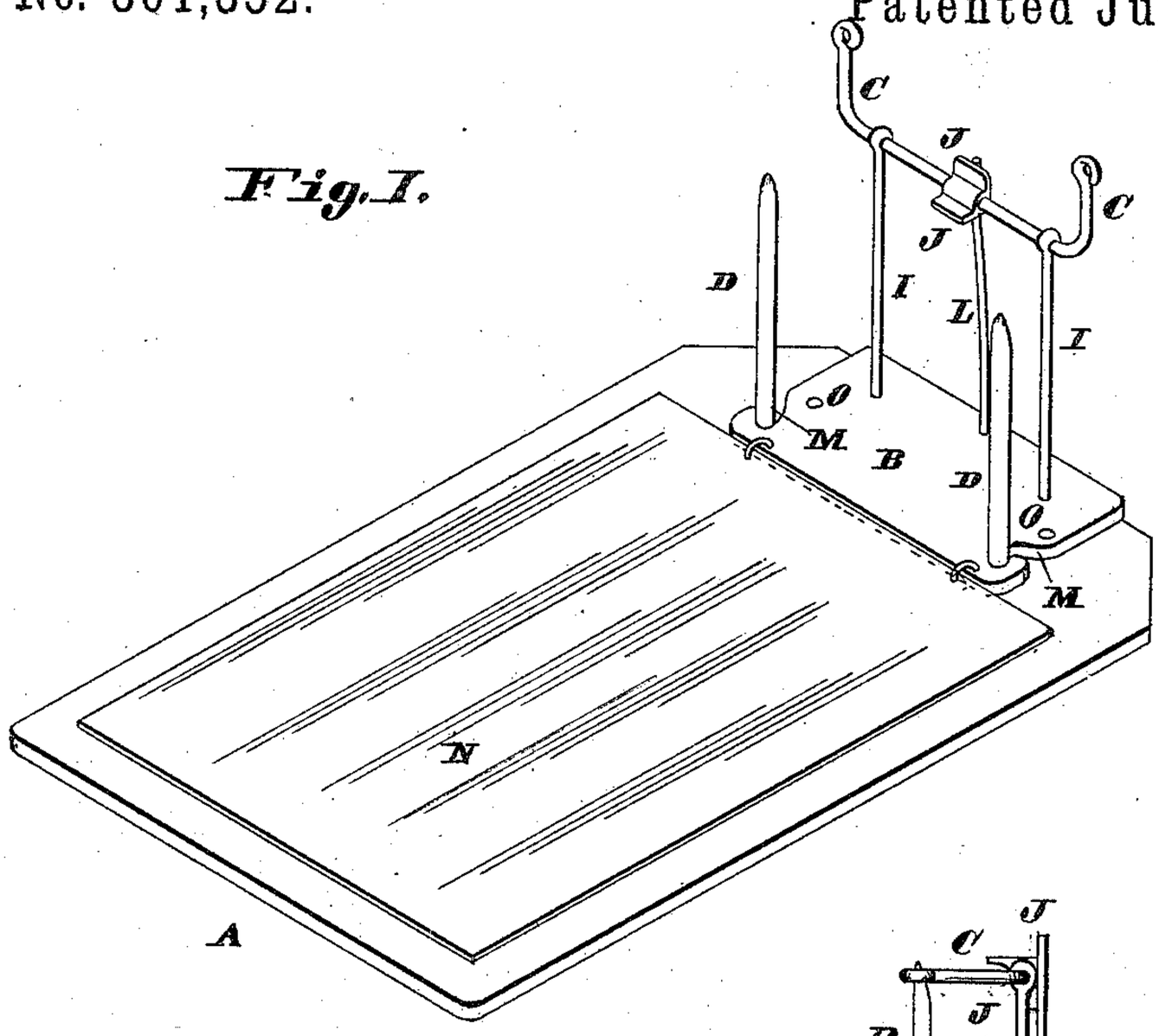


Fig. 2.

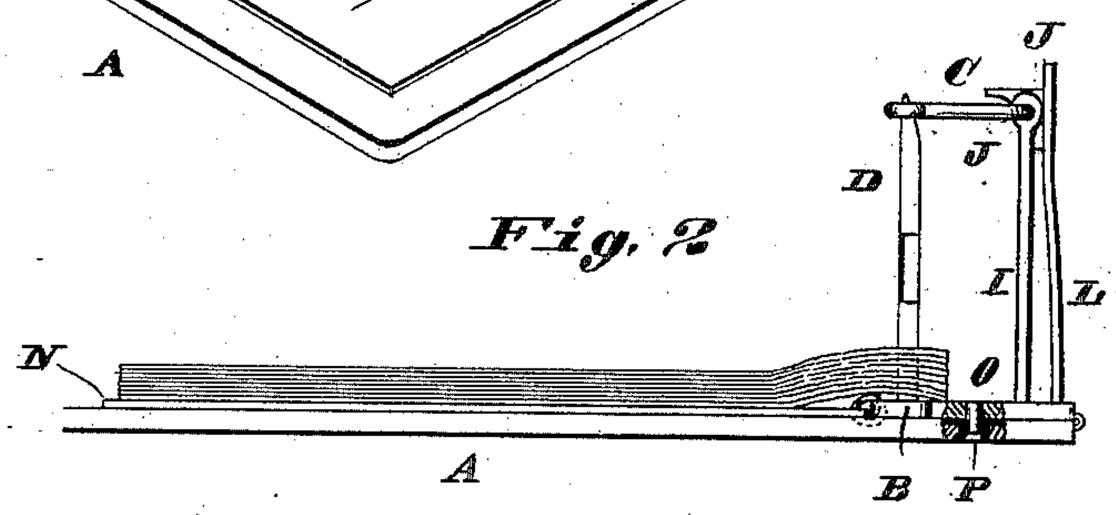


Fig. 3.

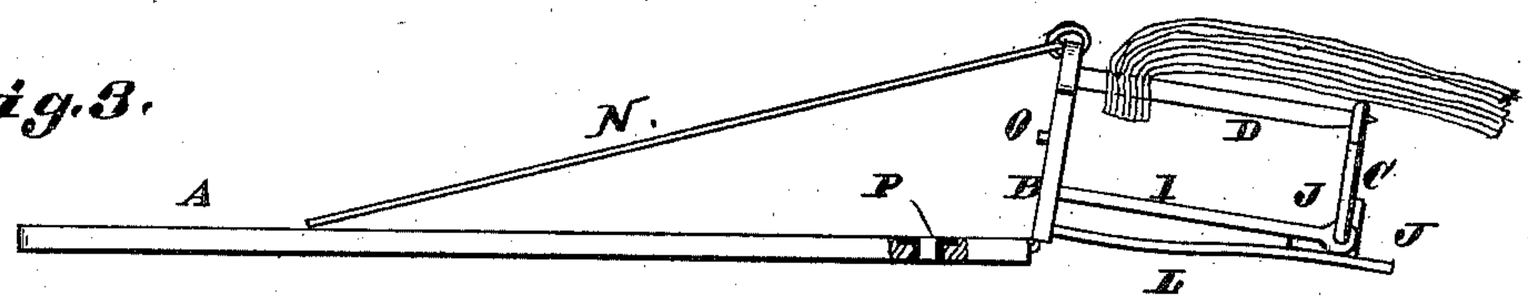


Fig. 4.

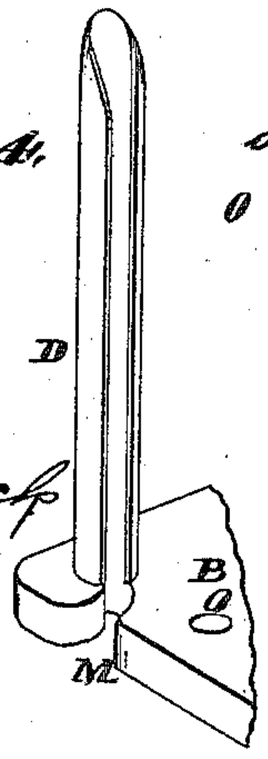


Fig. 5.

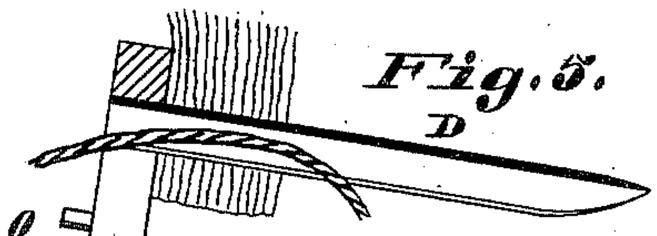
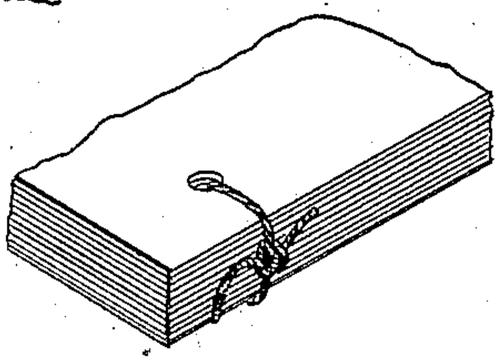


Fig. 6.



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UNITED STATES PATENT OFFICE.

WILLIAM H. FOX, OF ST. LOUIS, MISSOURI, ASSIGNOR OF FIVE-EIGHTHS TO PHILIP E. GREEN AND ROBERT W. GREEN, BOTH OF SAME PLACE.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 301,352, dated July 1, 1884.

Application filed March 5, 1884. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. FOX, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Paper-Files, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

Figure 1 is a perspective view. Fig. 2 is a side elevation, part in section. Fig. 3 is a similar view showing the papers turned over. Fig. 4 is an enlarged perspective view of one of the grooved posts, showing part of the foot. Fig. 5 is a section of same. Fig. 6 is a perspective view of one corner of a bunch of papers.

My invention relates to a paper-file consisting in features of novelty hereinafter fully described, and pointed out in the claims.

Referring to the drawings, A represents a suitable base or support, to which is hinged a foot, B.

D represents posts or needles secured to the foot, over which the papers are slipped and retained by a clamp, C, supported on rods I, secured to the foot. The clamp has a V-shaped cam, J, secured to it, against which bears a spring, L, also secured to the foot. The spring acts to hold the clamp in a raised position, as shown in Fig. 1, or in its normal position, as shown in Figs. 2 and 3. The posts D are grooved for the passage of a string or cord to bind the papers, and they may consist of a tube open on one side. The foot has a slot, M, for the passage of the string.

I am aware that tubes or hollow posts have been used in paper-files for the passage of the binding-string; but with these the papers had to be removed before the string could be tied, as shown in Fig. 6, which is quite inconvenient at times, whereas with my improvement the string can be passed through and tied before the papers are removed. The papers are filed face down, and by turning them over, as shown in Fig. 3, they can be examined, face up, without removal. A suitable strip or sheet, N, may be connected to the foot.

As a means for perforating or puncturing the papers before slipping them over the posts D, I secure projections O to the bottom of the foot, which enter sockets P in the base A. Thus, by tipping the foot back slightly and placing the sheets on the base close up against the foot, and then bringing the foot back to its natural position, the sheet is perforated, and can be removed by again tilting the foot back. The projections O are of course the same distance apart as the posts D. The projections could be made on the base and the sockets in the foot, if desired.

One or more of the posts D may be used, according to the size and requirements of the file.

I claim as my invention—

1. A paper-file having a slotted hollow or grooved post, the slot or groove extending the entire length of the post, for the purpose set forth.

2. A paper-file having a foot provided with a post, a recess or opening extending longitudinally through the side of the foot and post, for the purpose set forth.

3. In a paper-file, the combination of the posts, clamp, spring, and V-cam, the cam being secured to the clamp and pressed upon by the spring, for the purpose set forth.

4. In a paper-file, the combination of the base and foot, the latter provided with posts to receive the papers, and having projections on its under side, and the base having sockets to receive the projections on the foot, substantially as and for the purpose set forth.

WILLIAM H. FOX.

In presence of—
GEO. H. KNIGHT,
SAML. KNIGHT.