

W. A. HARWOOD.
Temporary Binders.

No. 149,118

Patented March 31, 1874.

Fig. 1.

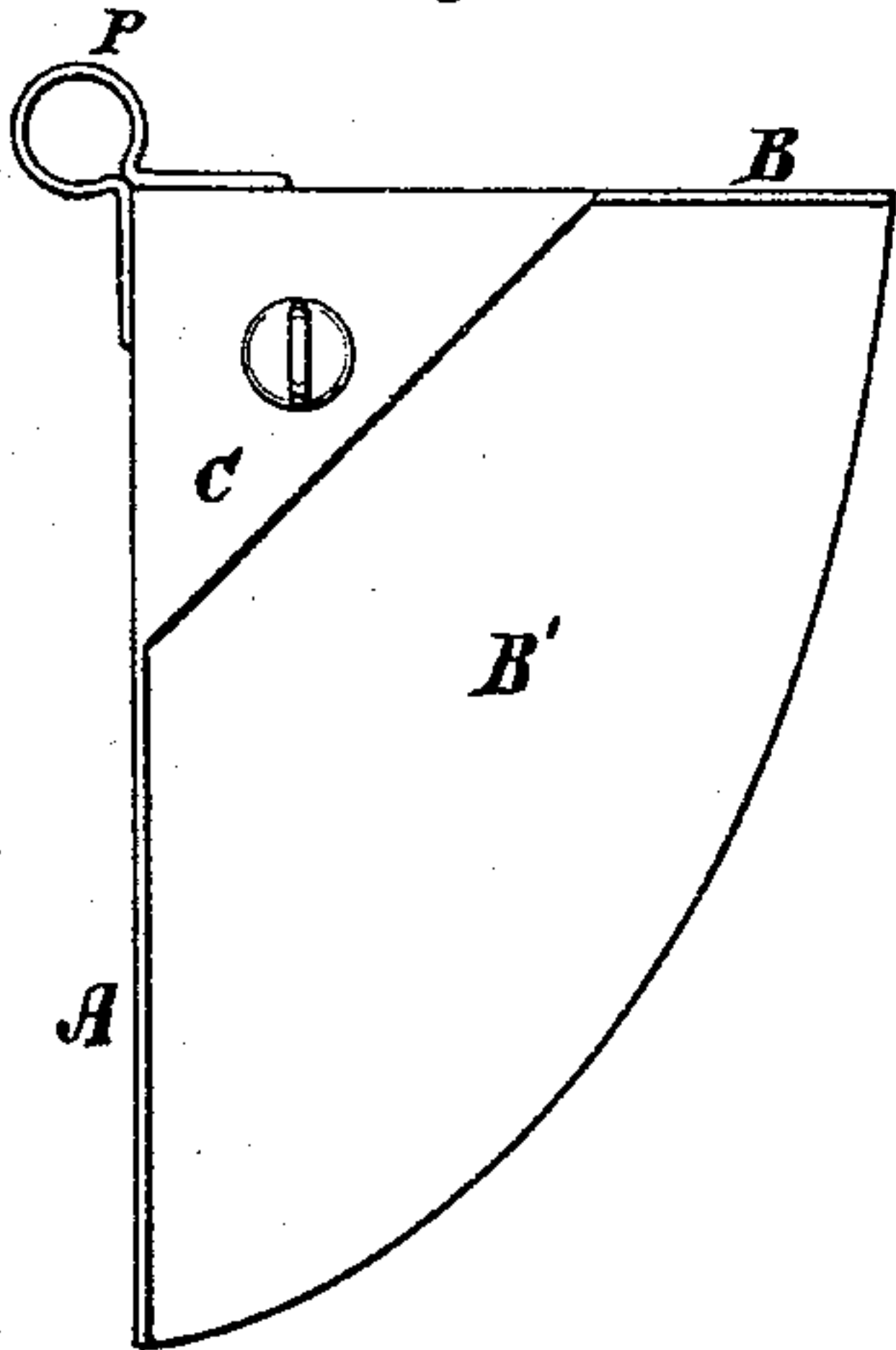


Fig. 2.

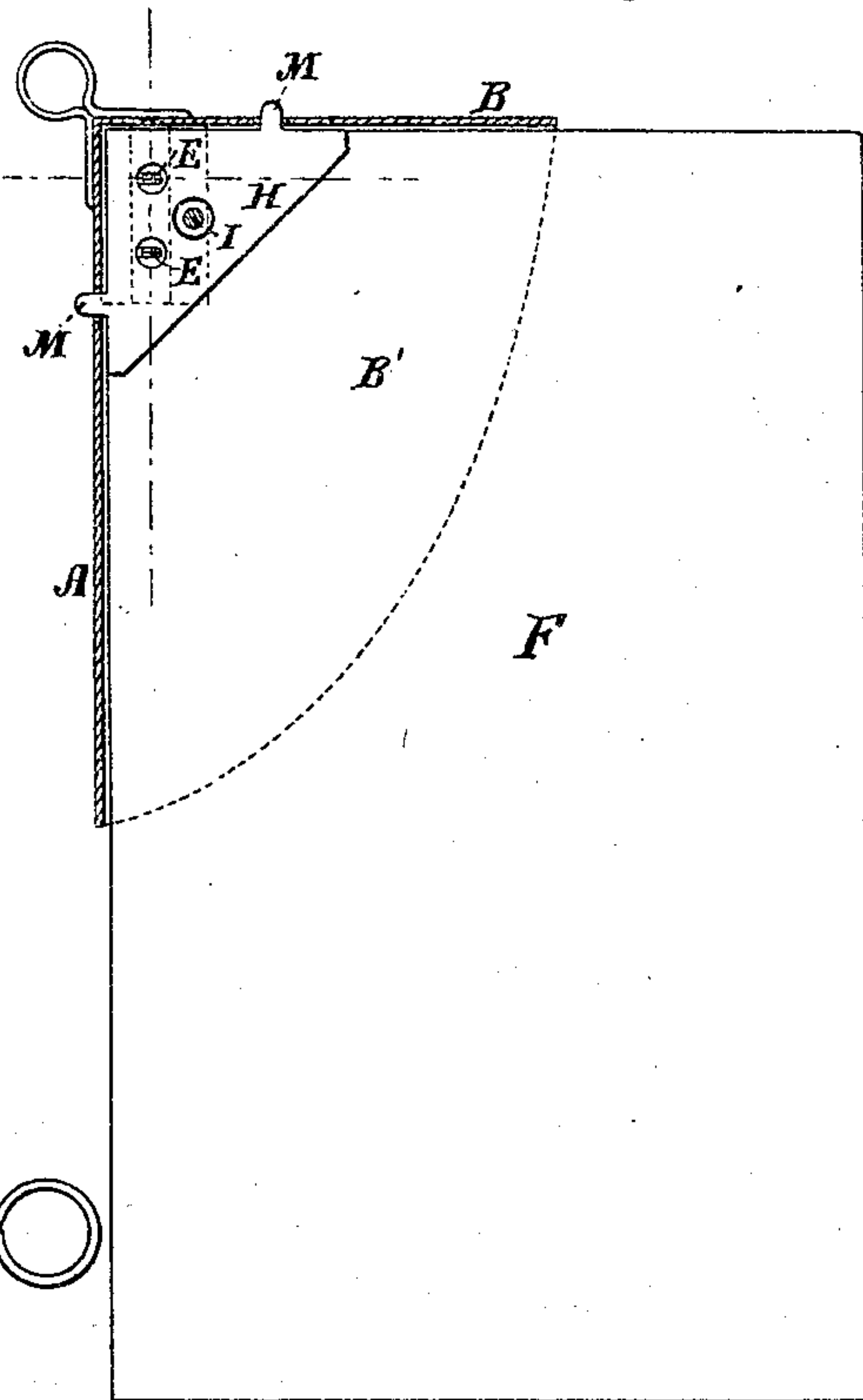


Fig. 3.

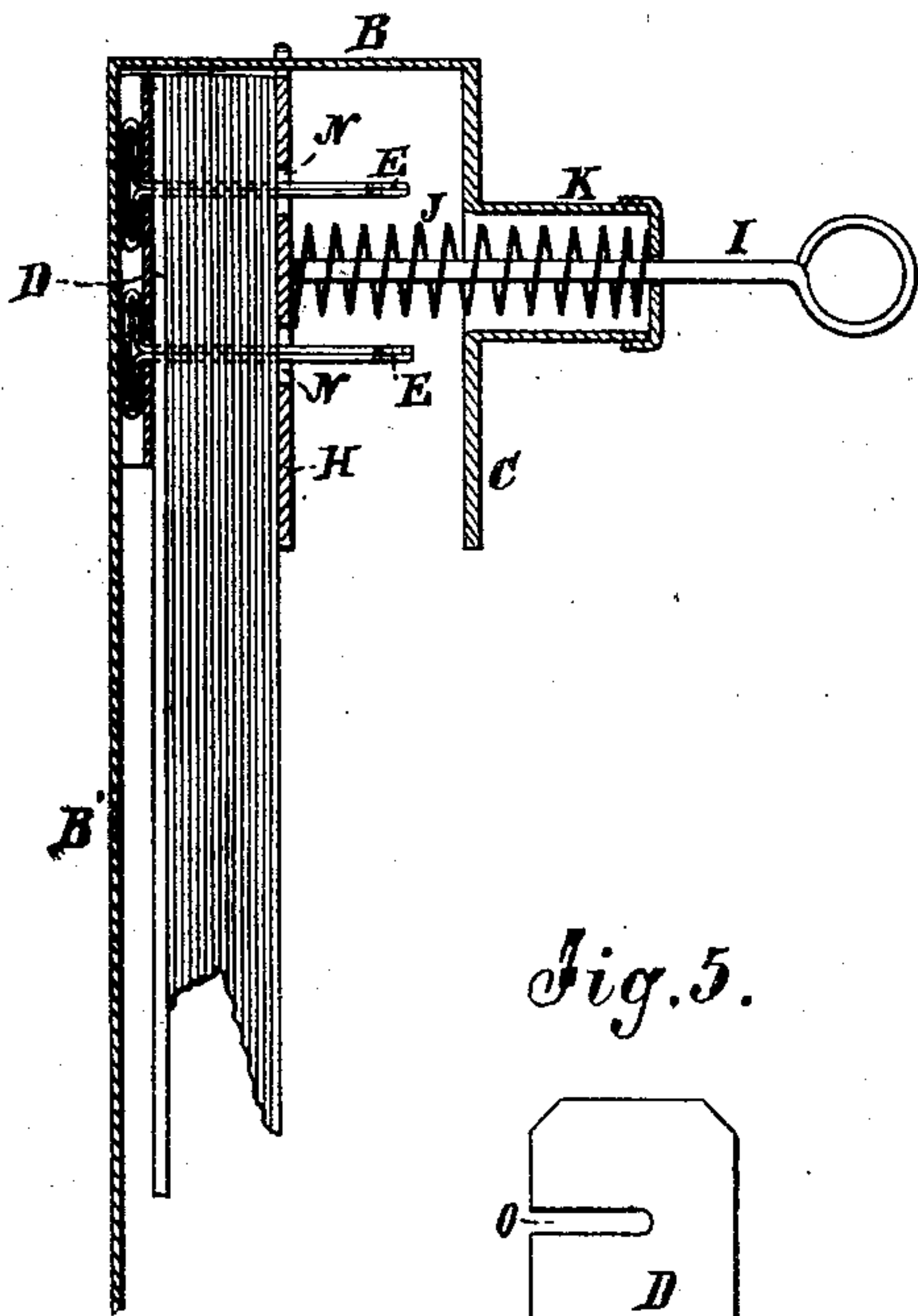


Fig. 6.

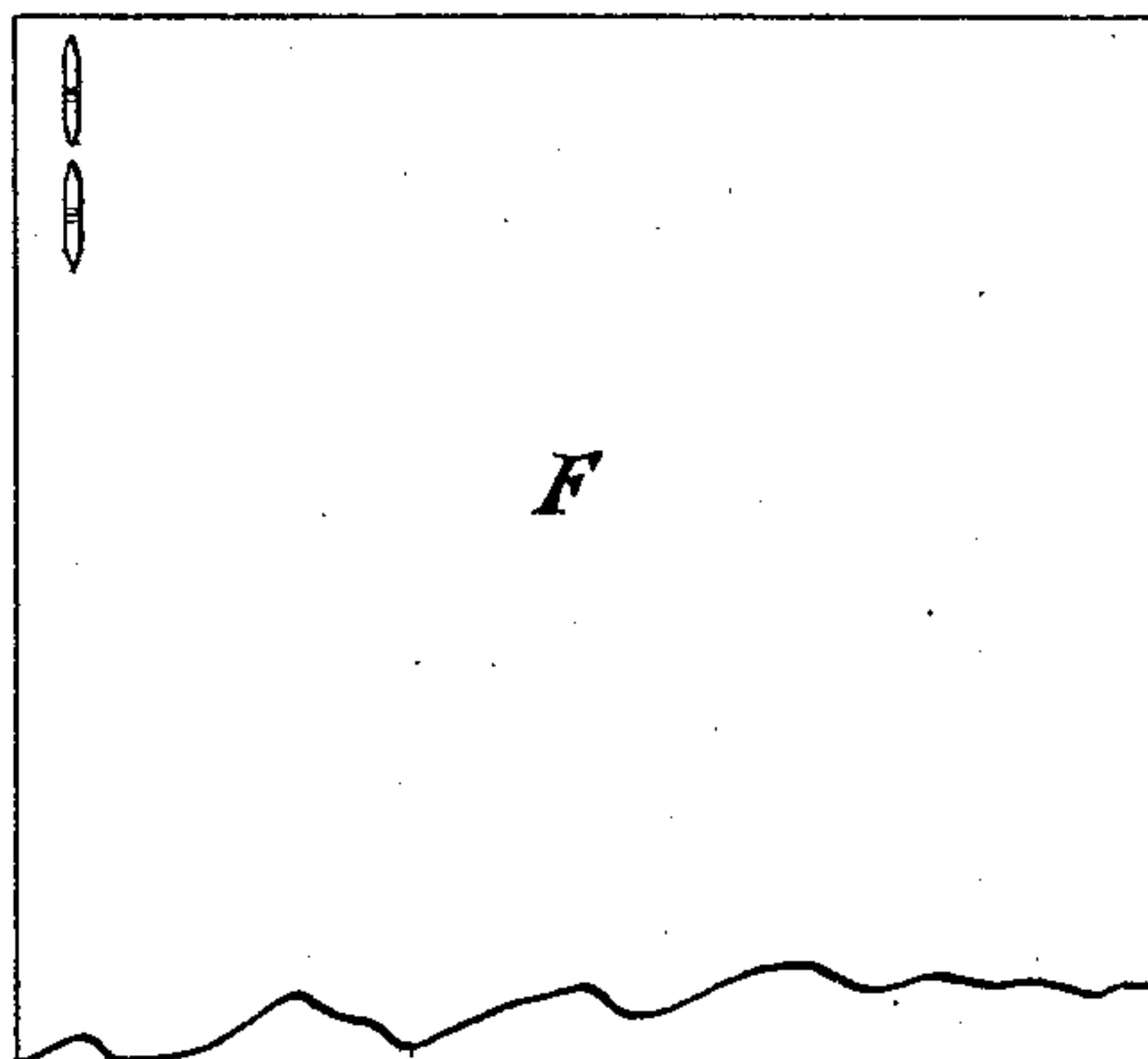


Fig. 5.

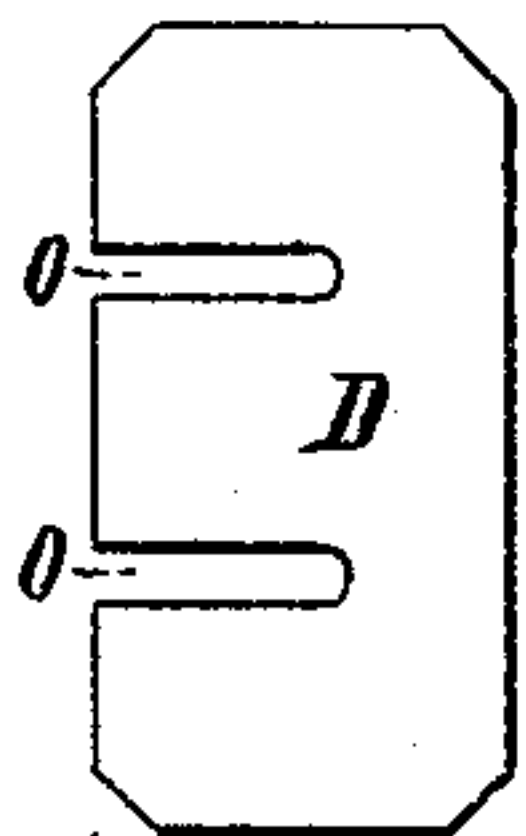
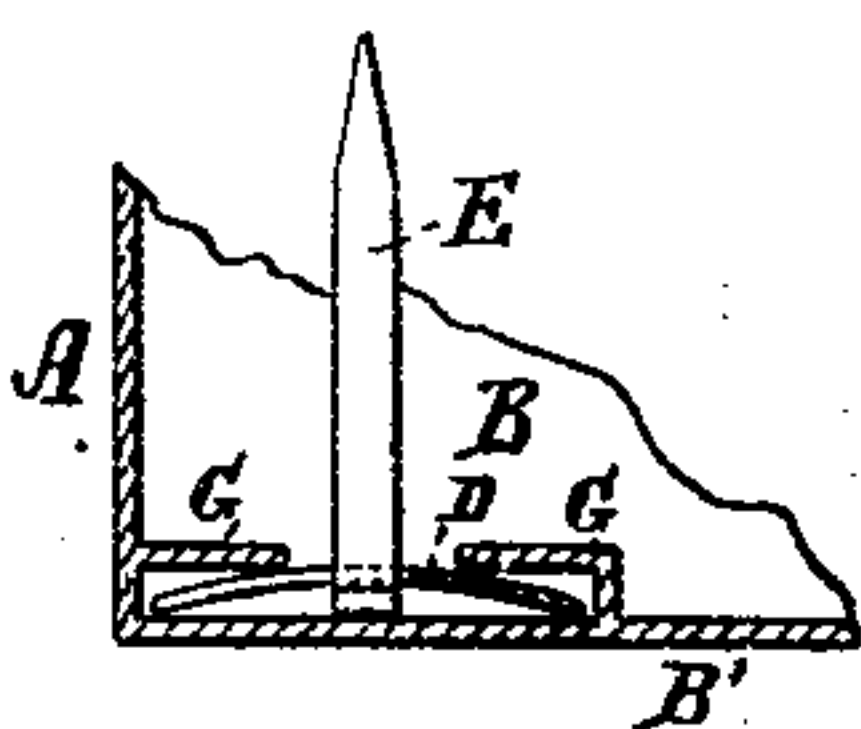


Fig. 4.



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IMPROVEMENT IN TEMPORARY BINDERS.

Specification forming part of Letters Patent No. **149,118**, dated March 31, 1874; application filed January 31, 1874.

To all whom it may concern:

Be it known that I, WILLIAM A. HARWOOD, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Temporary Binder, of which the following is a specification:

My improved binder is designed for filing bills, letters, and other business papers; and it consists of a little case, of sheet metal or other suitable material, composed of two side pieces and a top and bottom piece, the sides being at right angles to each other, with a removable notched slide and grooved clips in the angle on the bottom, for temporarily holding one or more of McGill's or other paper-fasteners, to receive the papers, and a spring-presser on the top, for pressing down and holding the papers on the fasteners; all so contrived that the papers to be filed will be secured at the left-hand corner only, whereby the separation of the papers for inspection in the file, also in the package when removed from the file and secured together by the fasteners, may be considerably more ample and complete, particularly at the right-hand corner, where the dates are usually placed, than when they are fastened all along or at the middle of the top, as they are in other fasteners of this character. Moreover, the arrangement is simpler, and affords a cheaper construction, particularly of the spring-presser.

Figure 1 is a top or plan view of my improved paper-file. Fig. 2 is a horizontal section. Figs. 3 and 4 are sectional elevations, the one longitudinal, and the other transverse. Fig. 5 is a plan of the notched sliding plate, for holding the paper-fasteners while receiving the file of papers, and Fig. 6 is a top view of a pack of filed papers removed from the file and fastened together.

Similar letters of reference indicate corresponding parts.

A and B are the sides, B' the bottom, and C the top, of the case. D is the removable notched plate, for holding the paper-fasteners E for receiving the papers F to be filed. G G are guides on bottom B', to receive the notched plate D. Said plate is bent a little, as shown in Fig. 4, to spring a little when shoved in, the clips to be held by friction sufficiently to keep its place when not held by the presser. H is the presser-plate. I is a small wire attached to the presser-plate for lifting it. J is a coiled spring, for pressing it down

on the papers; and K is a little tube rising up from the top C, around the rod I, and curved at the top to inclose a space for extending the spring sufficiently above the top to allow the presser to work the whole range between the bottom and the top. The presser has a guide-stud, M, on two sides, working in slots in the sides of the case to keep it in position. It also has a hole, N, for each fastener E, to allow it to work up and down said fastener. The notched plate D, having a fastener, E, placed in each of its notches O, is shoved up into place under the guides and under the presser, which is raised to admit it. When shoved up as far as it will go, it holds the fasteners coincident with the holes of the presser, allowing the presser to fall back.

When a paper is to be filed, the presser is raised; the corner of the paper is then put in the angle against the sides A and B, over the points of the fasteners, and the presser is let go, and forces the paper down on the fasteners, and holds it there securely. When the file is full, the presser is raised, and the papers, together with the fasteners and the fastener-holding plate, are slipped out, the plate removed, and the papers secured by the fasteners. The fastener-plate, together with other fasteners, is then put in the file again, as before, for filing more papers.

An eye, P, is attached to the case, for hanging it on a nail or hook.

It will be noticed that the case, fastener-holding plate D, and particularly the presser and spring, are of lighter and cheaper material than the same parts of other files; and the whole construction is cheaper, and yet equally, if not more, durable.

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

1. The combination, with file-case having the guides G G, of the sliding notched plate D, as and for the purpose described.

2. The combination, with a spring-pressed plate, H, of the right-angled file-case, consisting of the large bottom B', small top C, and sides A B, and the paper-fastener holder, as and for the purpose specified.

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Witnesses:

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