

(No Model.)

T. WARING.
PAPER FILE.

No. 501,751.

Patented July 18, 1893.

FIG. 1.

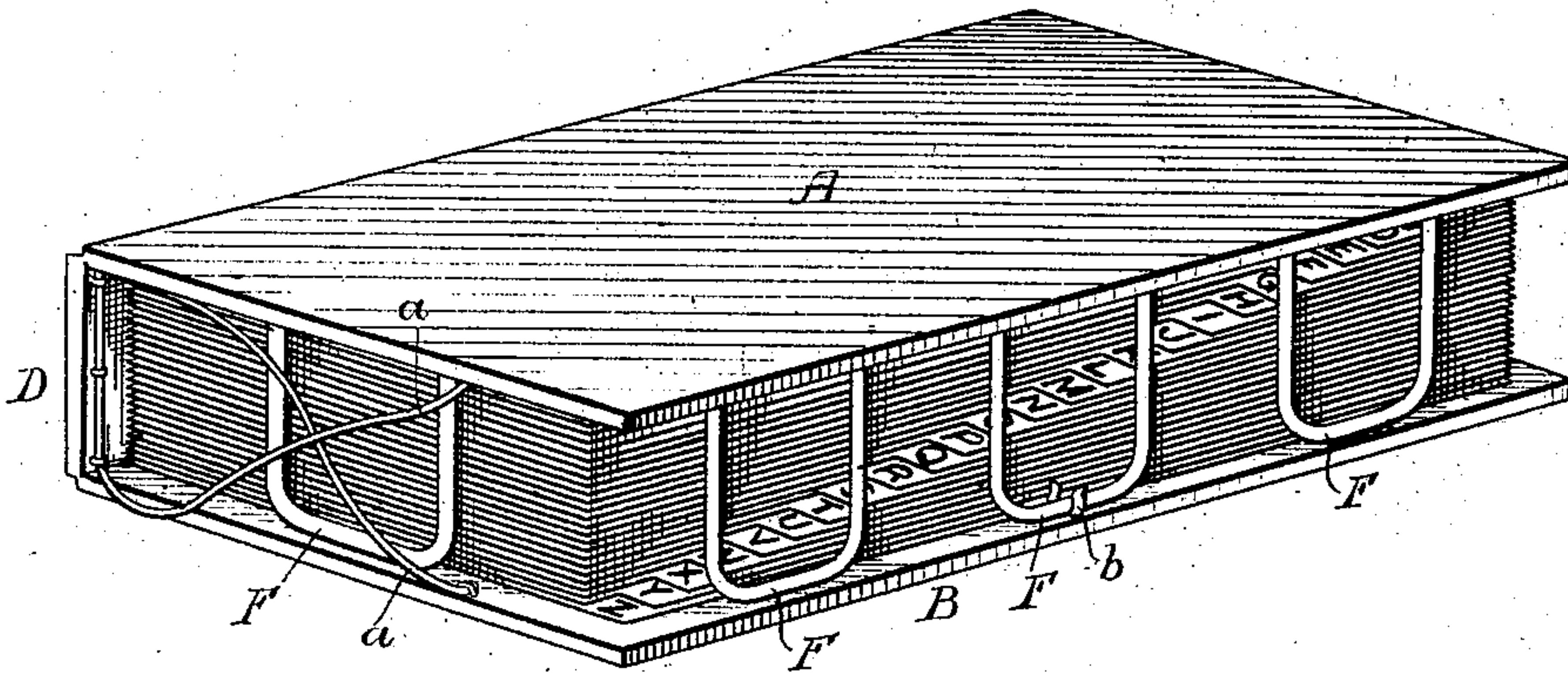


FIG. 2.

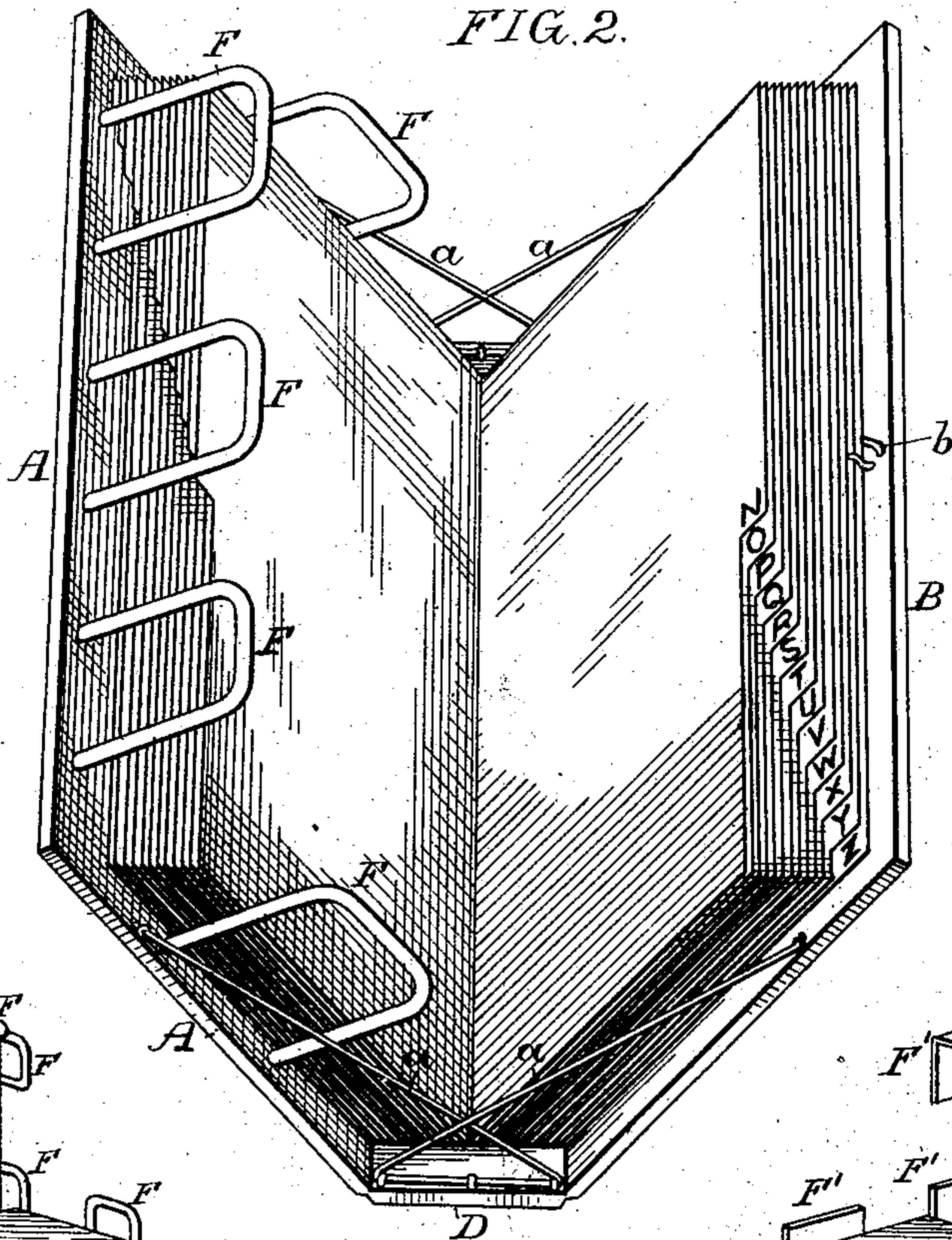


FIG. 3.

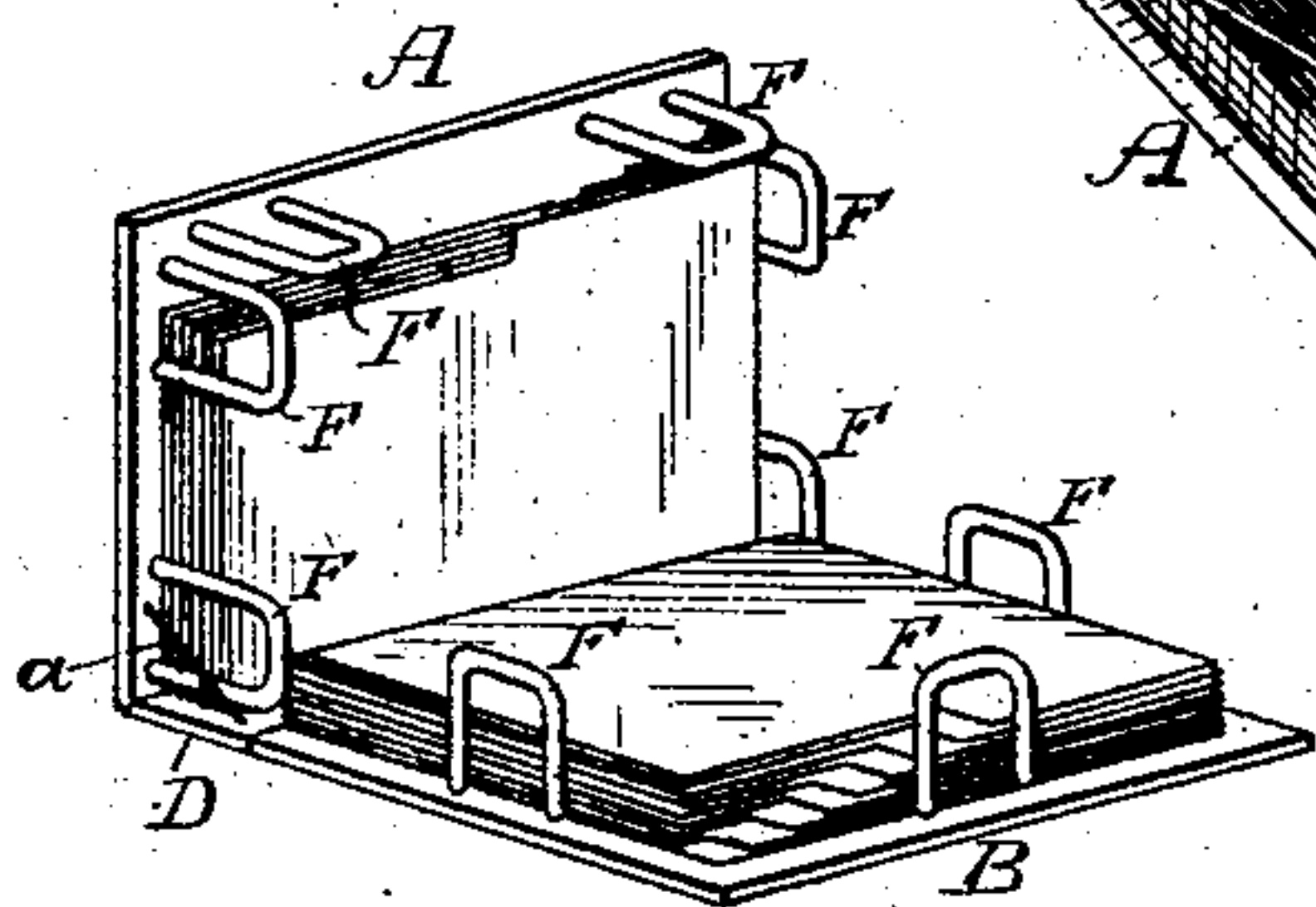
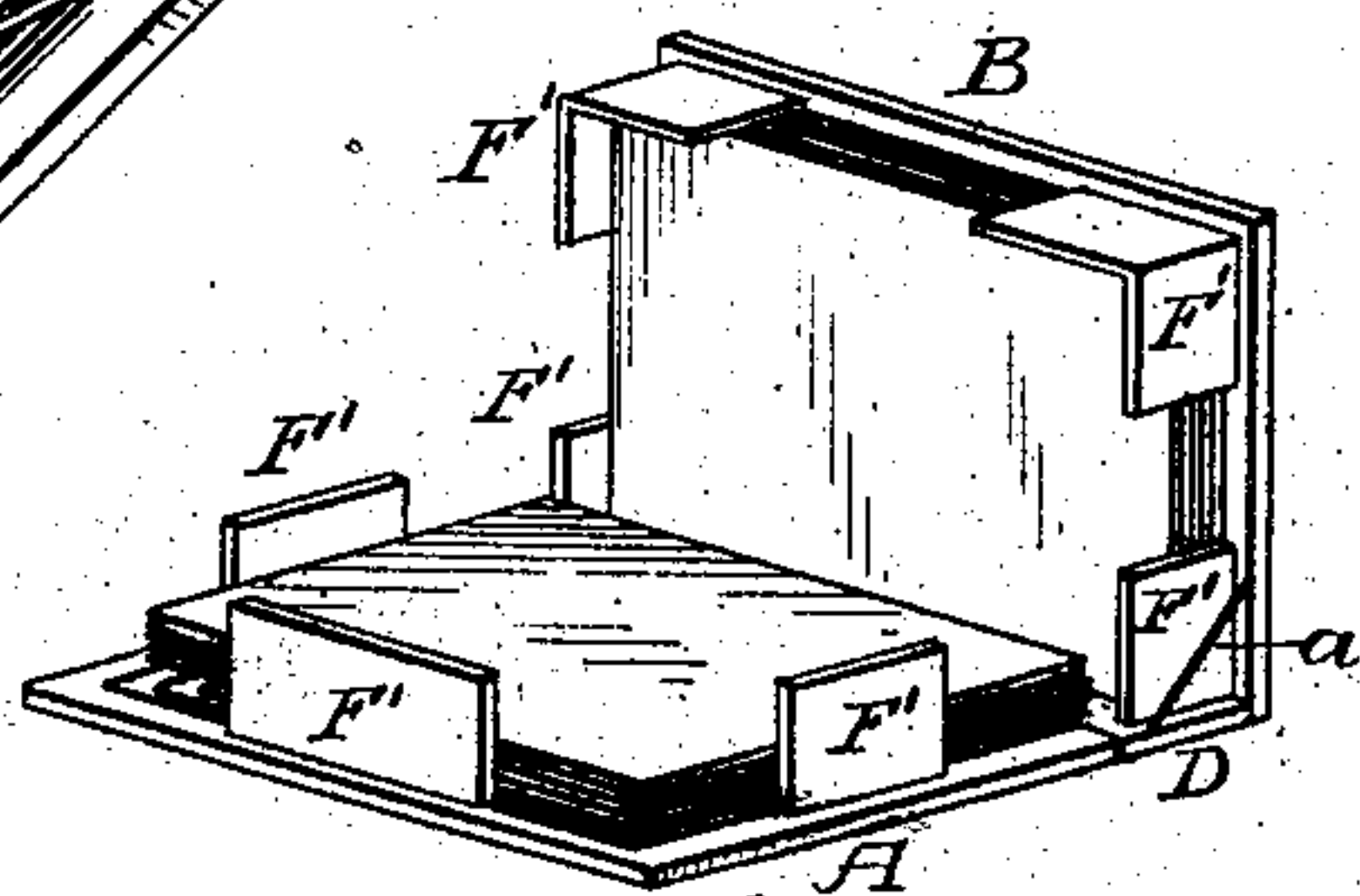


FIG. 4.



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UNITED STATES PATENT OFFICE.

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PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 501,751, dated July 18, 1893.

Application filed July 21, 1892. Serial No. 440,746. (No model.)

To all whom it may concern:

Be it known that I, THOMAS WARING, a citizen of the United States, and a resident of Camden, New Jersey, have invented certain
5 Improvements in Paper-Files, of which the following is a specification.

The object of my invention is to so construct a file for letters or papers that while said papers are properly confined in the file when
10 the same is closed, they are, when the file is open, properly supported and more readily accessible than in files now in use with which I am familiar. This object I attain in the manner hereinafter set forth, reference be-
15 ing had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved file showing the same closed. Fig. 2,
20 is a perspective view showing the file open; and Figs. 3 and 4, are perspective views on a smaller scale illustrating modified forms of my improved file.

The file consists of opposite leaves or covers A, B, and a back D to which said leaves
25 or covers are suitably hinged so that the file can be closed, as shown in Fig. 1, or opened as shown in Fig. 2, the back D of the file being flat and by preference, rigid, so as to serve for the support of the file when the same is
30 opened, each of the leaves or covers A, B, then projecting upwardly at such an angle from the back that while the papers may be laid against either cover and will naturally retain their position, the excess of weight on
35 either cover will not cause the file to tip over.

Suitable stays *a* connecting the covers A, B, and back D may be used to limit the outward movement of said covers, or suitable stops or shoulders on the hinges may be used
40 for the same purpose, or in some cases one of the covers may be rigidly secured to the back, and the other hinged thereto, in which case the stays may extend from one cover to the other.

45 In order to retain the papers within the file when the latter is closed, the cover A of the file has, along its edges, guards *F* which, as shown in Figs. 1 and 2, consist of simple loops of wire secured to the cover, the loops coming into contact with the other when the file is closed, as shown in Fig. 1. When the file is open, as shown in Fig. 2, the guards of the

cover A serve to prevent any displacement of the papers resting against said cover, the stays *a* serving to prevent displacement of
55 the papers resting against the cover B. The file contains a series of index leaves, between which the papers are sorted alphabetically as usual, and when the file is open, as shown in Fig. 2, the index leaves are fully
60 exposed so that ready access can be had to any of the papers in the file, and, to facilitate such access, the index leaves are, by preference, disconnected from each other and from the back D of the file at their rear edges
65 so that any number of them can be turned against either cover of the file in order to gain access to the desired papers. In all cases, however, the index leaves are disconnected from the guards, and also from the stays
70 which limit the movement of the covers so that neither guards nor stays will restrict the free movement of said index leaves. In some cases the guards *F* may be formed partly on one cover and partly on the other cover,
75 and in this case but one cover may be stayed, as shown for instance in Fig. 3, this cover being raised and the other allowed to lie flat, and if it is desired to entirely inclose the papers when the file is closed the guards on the
80 edges of the covers A and B may consist of rectangular projections *F'* around the edges of the cover, as shown in Fig. 4, these projections, when the file is closed, fitting closely one to another so as to provide a complete
85 inclosure for the papers, but being separated one from another when the file is opened so that the papers can be manipulated from three sides of the file, or the guards may consist of strips extending completely along the
90 side and ends of one or other of the covers in some cases.

Any suitable means may be employed for securing the covers together when the file is closed, for instance one of the guard loops
95 may engage with spring fingers *b* on the opposite cover, as shown in Fig. 1.

I am aware that paper files have been made in which the opposite covers have been connected at the ends by bellows folded strips
100 which served to retain the papers in the file and also restricted the movement of the covers, but such strips were connected to the ends of the index leaves and hence prevented

that free movement of said leaves which is one of the features of my improved file.

I am also aware that a file has been devised which consists of a back and opposite covers 5 hinged thereto and connected by end stays, but in this case each cover had to be divided diagonally so that the corner portion could be turned down to serve as a leg or foot for the support of the file, the connecting of the op- 10 posite hinged covers by means of stays not being sufficient to prevent the overturning of the file when the bulk of the papers was thrown against one cover or the other. In my improved file; however, the stays serve to 15 connect the hinged cover or covers with a rigid portion of the file hence the file; is self-supporting without the necessity of such supplementary feet or legs. By these means my file is prevented from tipping over when a 20 preponderance of weight is thrown upon either cover.

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

1. The combination in a paper file, of the 25 flat back and the opposite covers, one or both hinged to the back, and each capable of assuming a position inclined upwardly and outwardly from said back, with guards around the edges of the file for retaining the papers 30 therein when the file is closed, but permitting access to the papers both at the top and end of the file when the latter is open, and stays or stops extending from the hinged cover or

covers to a rigid portion of the file for limiting the movement of said hinged cover or 35 covers in respect to said rigid portion when the file is open, and whereby the said file is not liable to tip over when a preponderance of weight is thrown upon either cover, said stops or stays being so located that they will 40 not prevent access to the papers at the end of the file when the latter is open, substantially as specified.

2. The combination in a paper file, of the flat back and the opposite covers hinged there- 45 to, with guards around the edges of the file for preventing displacement of the papers therein when the file is closed, but permitting access to the papers both at the top and end of the file when the latter is open, and stops 50 or stays extending from the covers to the back for limiting the movement of said covers in respect to each other when the file is open, and whereby the said file is not liable to tip over when a preponderance of weight is 55 thrown upon either cover, said stops or stays being so located that they will not prevent access to the papers at the end of the file when the latter is open, substantially as specified.

In testimony whereof I have signed my 60 name to this specification in the presence of two subscribing witnesses.

THOMAS WARING.

Witnesses:

FRANK E. BECHTOLD,
HARRY SMITH.