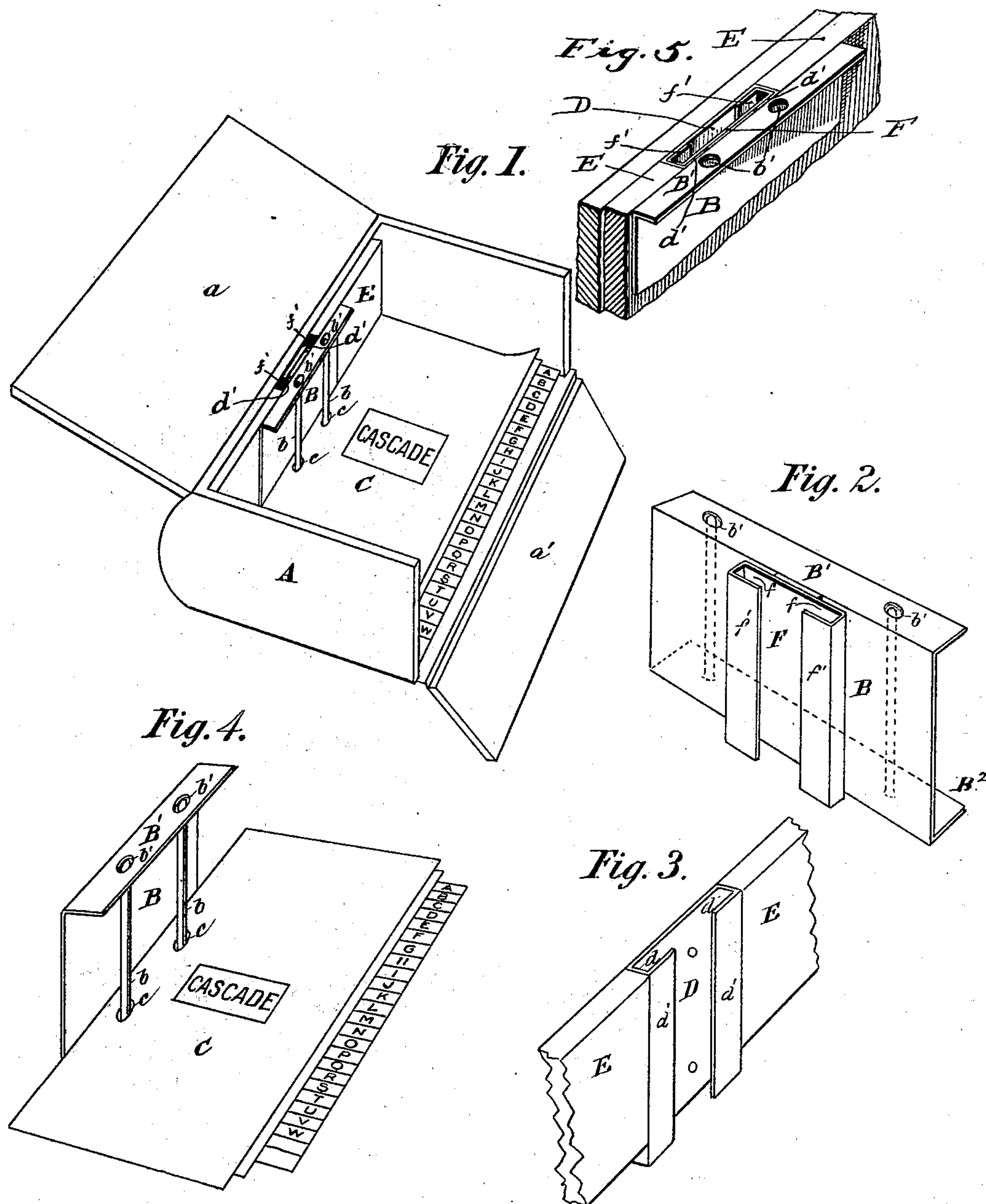


(No Model.)

G. H. DIETZ.
LETTER OR BILL FILE.

No. 519,327.

Patented May 8, 1894.



Witnesses

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GEORGE H. DIETZ, OF LOUISVILLE, KENTUCKY.

LETTER OR BILL FILE.

SPECIFICATION forming part of Letters Patent No. 519,327, dated May 8, 1894.

Application filed August 5, 1893. Serial No. 482,438. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. DIETZ, a subject of the Emperor of Germany, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Letter or Bill Files; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to letter and bill filing boxes and is an improvement on the invention described in Patent No. 428,805, issued to me on May 27, 1890.

The object of my improvement is to enable the index leaves and index-leaf holder, when the filing box is full of letters to be more easily and conveniently withdrawn from the box and a new index and index-leaf holder to be inserted if desired. I accomplish this by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a perspective view of my improved filing box provided with my improved index-holder. Fig. 2 is a detail of my improved index-holder. Fig. 3 is a detail of part of the back of my improved filing box showing groove in same for receiving index-holder. Fig. 4 is a perspective view showing my holder with the index leaves prepared to be inserted in the box, and Fig. 5 is a detail view showing the manner of connecting the filing box with the plate.

In the drawings A represents the filing box, shaped like a book, having its upper lid, *a*, hinged preferably to the edge of the back so as to open to its full extent, while the parts corresponding to the other lid, the back and ends are rigidly fastened together. The front *a'* is hinged to the outer edge of the fixed lid. To the back of my improved filing box I attach, at its middle part, firmly by rivets or otherwise, a plate D formed of a rectangular piece of sheet metal, bent at a suitable distance from each end at right angles to the body of the piece to form sides *d* and then again bent at right angles inwardly so as to form holding flanges *d'*, parallel to the back. The plate, thus bent provides a way or groove which will receive a part of the index holder and will prevent horizontal displacement

thereof but will permit it to be readily lifted out or inserted, whenever desired, as hereinafter more particularly described. The sheet of metal of which this plate is made should be a little narrower than the back of the box and, in attaching it to the back of the box, the lower end should rest against the fixed lid, thus leaving, when the box is closed, a little space between the open top of the plate and the swinging lid. To strengthen the back of the filing box and protect the plate I fasten to the back of the box strips of wood, E, of the same height and thickness as the plate and fitting snugly against it on both sides and extending from it to the ends of the box.

B represents the index-holder, preferably made of a rectangular piece of sheet metal having integral and inwardly extending flanges *B'*, *B''* at top and bottom, with rods *b*, *b'*, attached to the bottom flange and extending upward to engage apertures, *b'*, *b''*, in the upper flange. On the back of the index-holder, thus constructed, I form a projecting slide F adapted to fit into the plate D. I prefer to form this of a rectangular piece of sheet metal of a width corresponding to the height of the index-holder B. At suitable distances from each end, this sheet is bent at right angles and then at a distance from the first bend, somewhat less than the length of the sides *d* of the plate, is bent again at right angles, inwardly, forming the sides *f*, and the wings *f'*, of the slide. The dimensions of this slide are such that it will pass easily into the plate with its sides and wings engaging the sides and holding flanges thereof. At the top and bottom of this slide I attach it rigidly to the back of the index holder B, at its middle part, by metal strips soldered to the slide and to the index holder, the strips being of such length as will keep the ends of the slide F sufficiently far from the back of B to allow the flanges *d'* of the plate D to pass easily between them. I may, however, use other means of attachment to accomplish the same purpose.

It will be readily seen that with the box described provided with such a plate as specified and an index-holder provided with the slide described that the index-holder with its index leaves can be easily and conveniently inserted in, or withdrawn from, the box. In my improved index-holder it is only necessary

that the rods *b* shall pass into the flange *b'* sufficiently far to prevent the leaves from the index from slipping over their top.

Having thus described my invention, what I believe to be new, and desire to secure by Letters Patent, and what I therefore claim, is—

1. In a letter and bill file, the combination with an index leaf holder, and a slide, secured to the back of said leaf holder, and provided with sides extending at an angle with its back and with wings extending from said sides at an angle therewith, of the filing box, and a plate secured to the back thereof and provided with sides extending at an angle with its back and with holding flanges extending from the ends of said sides at an angle therewith, said plate being adapted to be engaged by said slide, substantially as shown and described.

2. In a letter and bill file, the index leaf holder, and a slide, secured to the back thereof and having its ends held away from said holder, said slide having its sides extending at an angle with its back and having wings extending from said sides at an angle therewith, in combination with the filing box, and a plate, secured to the back of said box and provided with sides extending at an angle

with its back and with holding flanges extending from the ends of said sides at an angle therewith, said plate being adapted to be engaged by said slide substantially as shown and described.

3. The herein-described letter and bill file, consisting of the filing box; a plate secured therein, said plate having sides extending at an angle with its back and holding flanges, extending from said sides at an angle therewith, reinforcing and strengthening strips, secured to the back of the box and engaging at their opposite ends the ends of said box and the sides of said plate; the index leaf holder; and a slide, secured to the back thereof and having its ends held out of contact therewith, said slide having sides extending at an angle with its back and wings extending from said sides at an angle therewith, said slide engaging said plate, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE H. DIETZ.

Witnesses:

E. B. TIPPETT,
A. SCHMIDT.