

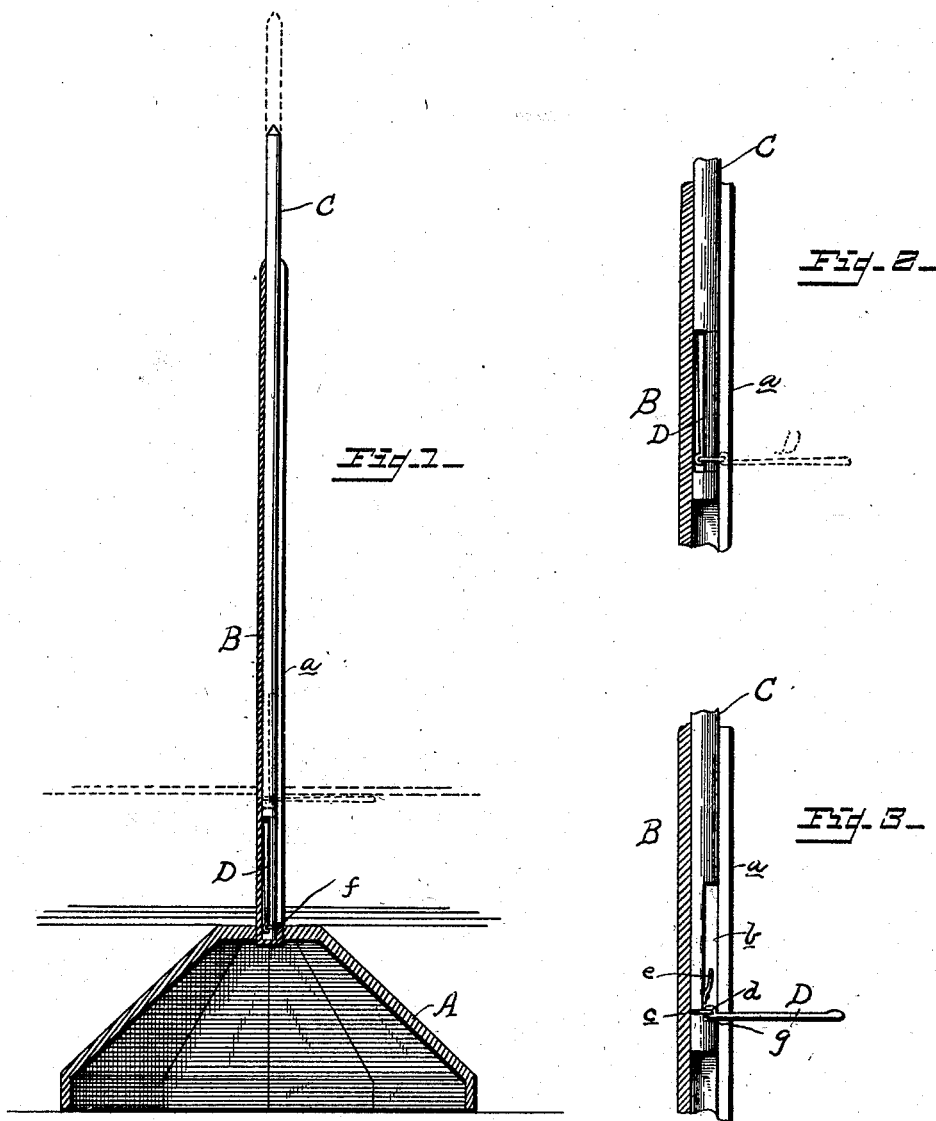
(No Model.)

G. P. HERNDON.

PAPER FILE.

No. 384,159.

Patented June 5, 1888.



Witnesses

Albert Speiden.

E. H. Bond

Geo. P. Herndon Inventor.

By *his* Attorney.

American Patent Exchange

UNITED STATES PATENT OFFICE.

GEORGE P. HERNDON, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR,
BY MESNE ASSIGNMENTS, TO JOHN C. BROWN AND EDWIN H. BOND,
BOTH OF SAME PLACE.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 384,159, dated June 5, 1888.

Application filed December 9, 1887. Serial No. 257,427. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. HERNDON, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Paper-Files; and I do 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, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and useful improvements in paper-files of that class in which one part is designed to move over or within the other, and has for its object to improve upon previous devices of this character, whereby any one of a number of papers on the file can be readily removed without disarranging the others and the papers on the file above the one to be removed can be readily returned to the file, or, if necessary, laid down on the table or desk for any length of time without danger of their becoming disengaged from the file and becoming scattered or lost.

To these ends, and to such others as the invention may pertain, the same consists in the peculiar combination and the novel construction, arrangement, and adaptation of parts, all as more fully hereinafter described, shown in the drawings, and then particularly defined by the claims.

In the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, Figure 1 is a central vertical section of my improved paper-file. Fig. 2 is a sectional detail on a larger scale. Fig. 3 is a similar view showing a slightly-modified form.

Referring by letter to the details of the drawings, A designates a suitable base, to which is fixedly secured the vertical tube B, closed at the bottom and provided with a vertical slot, *a*.

C is a wire, preferably pointed at its upper end and designed to fit loosely within the tube, so as to be rotated therein when desired. Near its lower end the wire C is formed with a recess, *b*, as shown more clearly in Fig. 3, and to the wire within said recess is the arm D, pivoted at its lower end, as shown, in any suit-

able manner, preferably as shown in the drawings—that is, by means of a loop, *c*, embracing the wire and fitted in a groove therein, so that its outer face shall be flush with the outer periphery of the wire, and engaging an eye, *d*, on the arm. This arm D is so arranged as to fall of its own weight into the position indicated by dotted lines in Figs. 1 and 2 when the wire is turned so as to bring said arm coincident with the slot *a* in the tube, and for this purpose said arm is made slightly heavier at its free end, as shown; but this arm may be otherwise formed—bent inward, for instance, between its ends, so as to throw the upper end slightly outward to insure its assuming a horizontal position as soon as it becomes coincident with the slot in the tube—without departing from the spirit of my invention.

I sometimes provide a spring, *e*, within the recess *b* of the wire, so as to assist the arm D in assuming a horizontal position; but this spring may be, and preferably is, dispensed with.

The operation is simple and apparent. Supposing the file to contain numerous papers and it is desired to examine or remove any one of them, the papers above the one it is desired to get at are moved upward on the tube above the top of the recess in the wire and the wire then moved around in the tube until the arm D is coincident with the slot *a* of the tube, when the arm D falls into a horizontal position beneath the papers that have been moved up on the file, as seen in Fig. 1, when, by raising the wire, the desired paper can be removed, the others remaining on the wire, which is then inserted in the tube, with the arm D in any position not coincident with the slot in the tube, and dropped into place. The full lines in Figs. 1 and 2 indicate the normal position of the wire and arm.

Of course the shape and length of the arm D may be varied at the pleasure of the maker. Should the wire be inserted in the tube with the arm coincident with the slot *a*, the arm will be returned to its vertical position as the wire descends by coming in contact with the papers on the file; and to provide for the throwing of the arm into a vertical position, should the wire be inserted into the tube with the arm and slot coincident when the file is empty, the tube is extended a short distance below the top

of the base, so as to form a shoulder, *f*, against which the arm will strike near its pivot and be thrown up, as will be readily understood.

The shoulder *g* of the wire limits the downward movement of the arm D, as seen in Fig. 3.

The spirit of my invention would not be sacrificed were the recess in the wire omitted and the arm pivoted to the outside of the wire, the tube being made enough larger to accommodate the same; but I prefer the construction shown.

The base may be dispensed with and the tube secured to a table, desk, or other desirable place, and the style of base may be varied at will.

What I claim is—

1. A bill-file having an adjustable wire provided with a pivoted arm, substantially as described.
2. The combination, with a stationary slotted tube, of a wire adjustable in said tube and provided with an arm extending through said slot and beyond said tube, substantially as described.
3. The combination, with the slotted tube,

of the wire rotatable and vertically adjustable in said tube and a folding arm carried by said wire, substantially as described.

4. The combination, with the slotted tube, of the wire rotatable and vertically adjustable in said tube and formed with a recess, *b*, and an arm pivoted in said recess, substantially as described.

5. The combination, with the slotted tube with a shoulder, *f*, below said slot, of the wire vertically adjustable in said tube and an arm pivoted at its lower end to said wire, substantially as described.

6. The combination, with the slotted tube, of the wire movable therein and formed with recess *b*, the arm D, pivoted at its lower end to said wire within said recess, and a spring, *e*, within the recess acting on the arm, substantially as described.

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

GEORGE P. HERNDON.

Witnesses:

JNO. G. HERNDON,
LEE D. LATIMER.