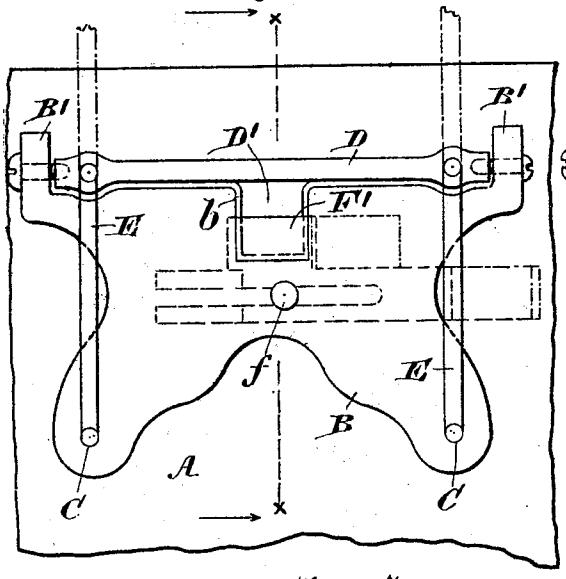
(No Model.)

A. H. COSTIGAN.

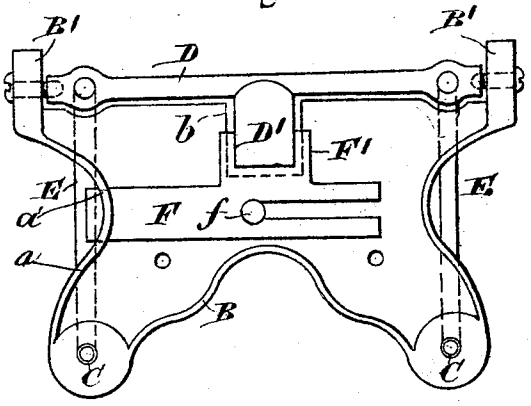
OFFICE FILE.

No. 516,523. Patented Mar. 13, 1894.

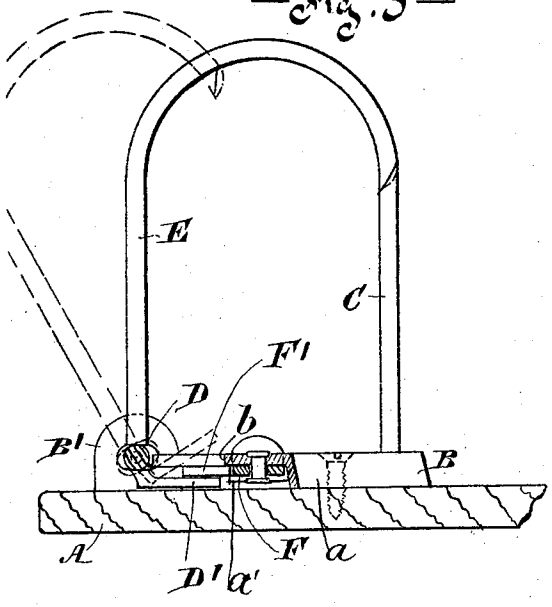
—Fig. 1—



—Fig. 2—



—Fig. 3—



Witnesses
Fred J. Seare
R. A. Limber

Inventor
Alexander H. Costigan
By his Attorney
Fairfax Seymour

THE NATIONAL LITHOGRAPHING COMPANY,
WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALEXANDER HENRY COSTIGAN, OF MONTREAL, CANADA.

OFFICE-FILE.

SPECIFICATION forming part of Letters Patent No. 516,523, dated March 13, 1894.

Application filed October 3, 1893. Serial No. 487,118. (No model.) Patented in Canada September 15, 1893, No. 44,288.

To all whom it may concern:

Be it known that I, ALEXANDER HENRY COSTIGAN, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Office-Files, (for which I have obtained Letters Patent of the Dominion of Canada under date of September 15, 1893, under No. 44,288;) and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention has reference to office files used for the temporary reception of papers and has for its object to produce a file which shall be simple in construction and positive in its action.

The invention may be said to consist in the combination with the usual board and piercing or threading tubes on which the papers are placed, of a positive lock instead of spring devices and the like for keeping the threading tubes in their normally closed position.

For full comprehension of the invention, reference must be had to the annexed drawings forming a part of this specification, in which like symbols denote the same parts and in which—

Figure 1 is a plan view of the file constructed according to my invention; Fig. 2 a plan of under side of plate and Fig. 3 a sectional view of file.

A is the usual back board on which the file is mounted and B a rigid metal base plate secured thereto, usually formed with a rim *a* under it and of some such outline as that shown. In the front or lower part of this are set the vertical threading tubes or wires C C carrying the papers, and in the rear or upper end are formed journals B′, in which is journaled a rocking bar D carrying the bent wires or tubes E E as shown in Fig. 3. From the lower side of this bar D projects a lug or extension D′ (usually resting on the board) which, when the bar is rotated passes up through an aperture *b* in the plate B, but is normally held down so as to keep the ends of the wires E and tubes C in close proximity, by devices now to be described. In the under side of the plate B is arranged a slide F slotted as shown, to engage with and be guided by a pin *f* and having a projection F′ bearing upon and holding down the lug or extension D′. The slide F also passes through a slot *a′* in the rim *a* of the base plate. This arrangement of the extension D′ and the slide F constitutes a positive locking device as compared with those dependent upon the action of a spring to keep the threading tubes together.

The operation of the invention is as follows: The parts being in their normal position and it being desired to place on, or take off from, the tubes C C, any papers, the slide F is withdrawn, so as to release the lug D′ which passes up through the opening *b* and allows the bent wires to be thrown back and papers to be taken off or put on the tubes.

Of course I do not wish to be confined to the connection of the curved tubes with the rocking bar, as the straight ones C C might as readily be arranged to tilt.

What I claim is as follows:

1. In an office file, the combination with a suitable rigid bearing plate presenting fixed journals as shown,—of the stationary and tilting threading tubes or wires; a rigid rocking bar journaled at its ends as shown in said fixed journals and carrying the tilting tubes or wires; and a positive rigid reciprocating device for engaging and positively locking said bar in position to close said threading tubes and to disengage and release same.

2. In an office file, the combination with a suitable rigid bearing plate presenting fixed journals B′,—of the stationary and tilting threading tubes or wires; a bar, carried in said journals as shown, having a lateral extension and carrying the tilting threading tubes or wires; and a positive rigid reciprocating locking device for engaging said lateral extension and thereby holding such bar in position, to close said tubes or wires or for disengaging same and releasing the bar to open or disconnect such tubes or wires, all as herein set forth.

3. In an office file, the combination with a bar, journaled in the base plate and carrying the tilting tubes or wires,—of an extension from such bar and a slide for engaging such extension, for the purposes set forth.

4. The combination of plate B having journals, rocking bar D journaled in same, and carrying the tilting threading tubes, stationary threading tubes carried by said plate, an

extension D′ from said rocking bar, and a slide as F suitably held in place and adapted to engage said extension D′ for the purpose set forth.

5. In an office file, the combination with a suitable fixed base plate having rim *a*, slot *a′* and carrying the stationary threading tubes and presenting fixed journals B′,—of the rigid rocking bar D, carrying the tilting threading wires, journaled at its ends, in said fixed journals as shown, and having lateral extension D′, a slotted slide as F having projection F′, and pin *f* substantially as shown and described.

ALEXANDER HENRY COSTIGAN.

In presence of—
FRED. J. SEARS,
R. A. C. KIMBER.