

(No Model.)

F. WILKES.
PAPER OR BILL FILE AND PUNCH.

No. 531,887.

Patented Jan. 1, 1895.

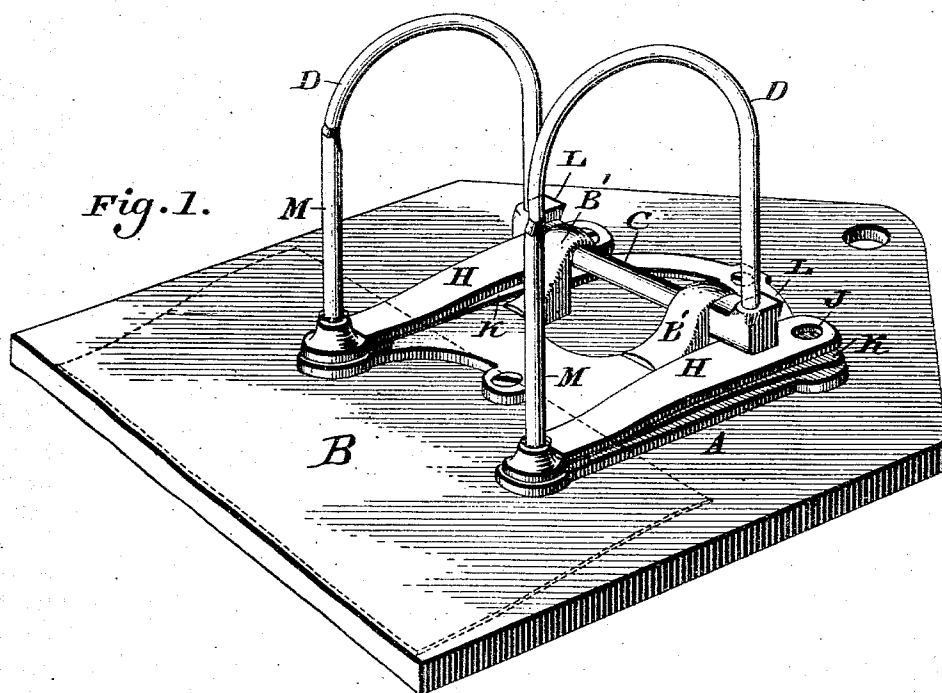


Fig. 2.

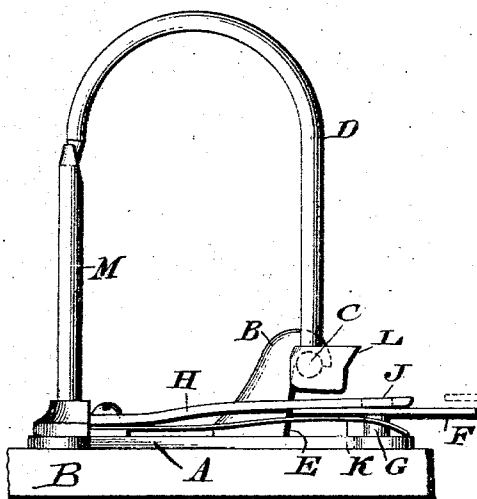
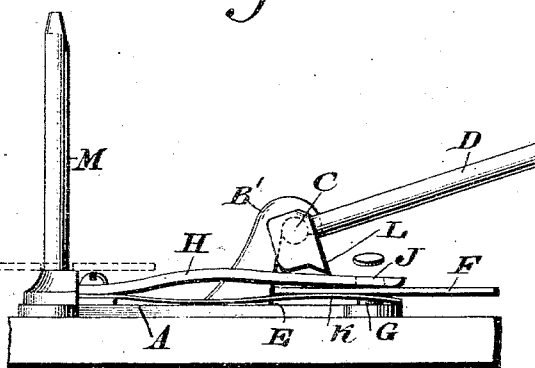


Fig. 3.



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PAPER OR BILL FILE AND PUNCH.

SPECIFICATION forming part of Letters Patent No. 531,887, dated January 1, 1895.

Application filed May 21, 1894. Serial No. 511,918. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK WILKES, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Paper or Bill Files and Punches, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a paper or bill file and punch, embodying novel features, as will be hereinafter set forth and claimed.

Figure 1 represents a perspective view of a paper or bill file and punch, embodying my invention. Figs. 2 and 3 represent side elevations thereof, the parts being shown in different positions.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A designates a horizontal base or bed plate which is connected with the board B, and B' designates ears which are connected with the plate and form bearings for the journal C of the hooks D, the lower portions of said ears being cut-away, forming the gages E, against which the edge of the piece F of paper, card, &c., is set, so as to hold the same true and steady while being punched.

G designates male punches, which rise vertically from the bed plate, and H designates spring plates which are secured at one end to the bed plate, and have openings J above said punches, as the female punches. Interposed between the plates H and the bed plate are strippers K, which consist of spring plates which are secured to the bed plate, and have openings which receive portions of the punches G. On the ends of the journal C are toes or cams L, which are so disposed that when the hooks D are turned downwardly, said cams bear against the plates H, and force the same, as well as the strippers, toward the bed plate.

M designates pins which rise from the bed plate A or board B, and have their upper ends somewhat pointed or sharpened, so as to guide the punched paper, cards, &c., said ends being also channeled to receive the points of the hooks D, so that there is a continuity of said hooks and pins when the former are in closed position.

The operation is as follows: The paper, card, &c., is placed between the plates H, and strippers K, and rested against the gages E, as shown in Fig. 2. The hooks are now thrown back, whereby said plates and strippers are depressed and the punching is effected, as shown in Fig. 3. The hooks are then raised, whereby the parts return to their normal positions, and the strippers force the paper, &c., from the punches, so that the same may be readily removed. The hooks may now be slightly set back, and the punched paper, &c., placed on the pins M, after which said hooks are closed, and thus the paper, &c., is properly filed.

It will be evident that by forming the file with a single base plate or back, and by having all the operative parts of the device attached directly thereto, the same will take up less room, and be cheaper to manufacture, and the punching mechanism can be operated with less liability of injury thereto, on thick paper, cards, &c., than if the latter are mounted upon a separate bracket or arm, extending from a base plate at right angles thereto, as paper files have heretofore been made, and to such latter construction I herein make no claim.

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

1. A paper file and punch consisting of a bed plate having the pins M, plates H, male punches G and the ears B' attached directly thereto, the hooks D having journal bearings in said ears, and cams on the journals of the hooks, the aforesaid ears being cut away to form gages, and said plates H having openings over said punches, the above parts being combined substantially as described.

2. In a paper file, a bed plate having pins M, ears B' punches G, plates H and strippers K attached thereto, said pins and punches being substantially parallel to each other, and the hooks D having cams on the journals thereof, the above parts being combined substantially as described.

FREDERICK WILKES.

Witnesses:

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