

(No Model.)

W. SCHEU.
PAPER FILE.

No. 442,829.

Patented Dec. 16. 1890.

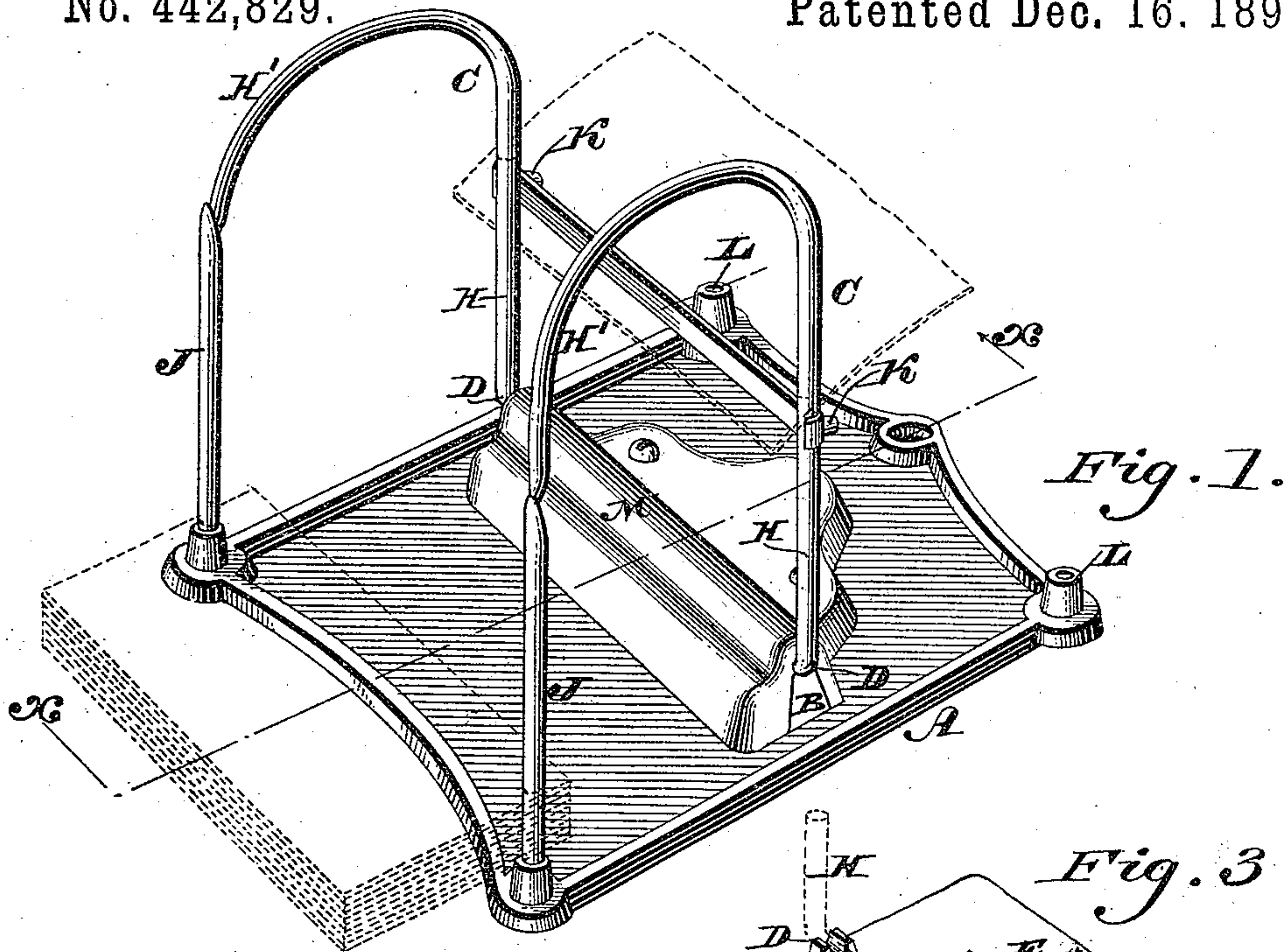


Fig. 1.

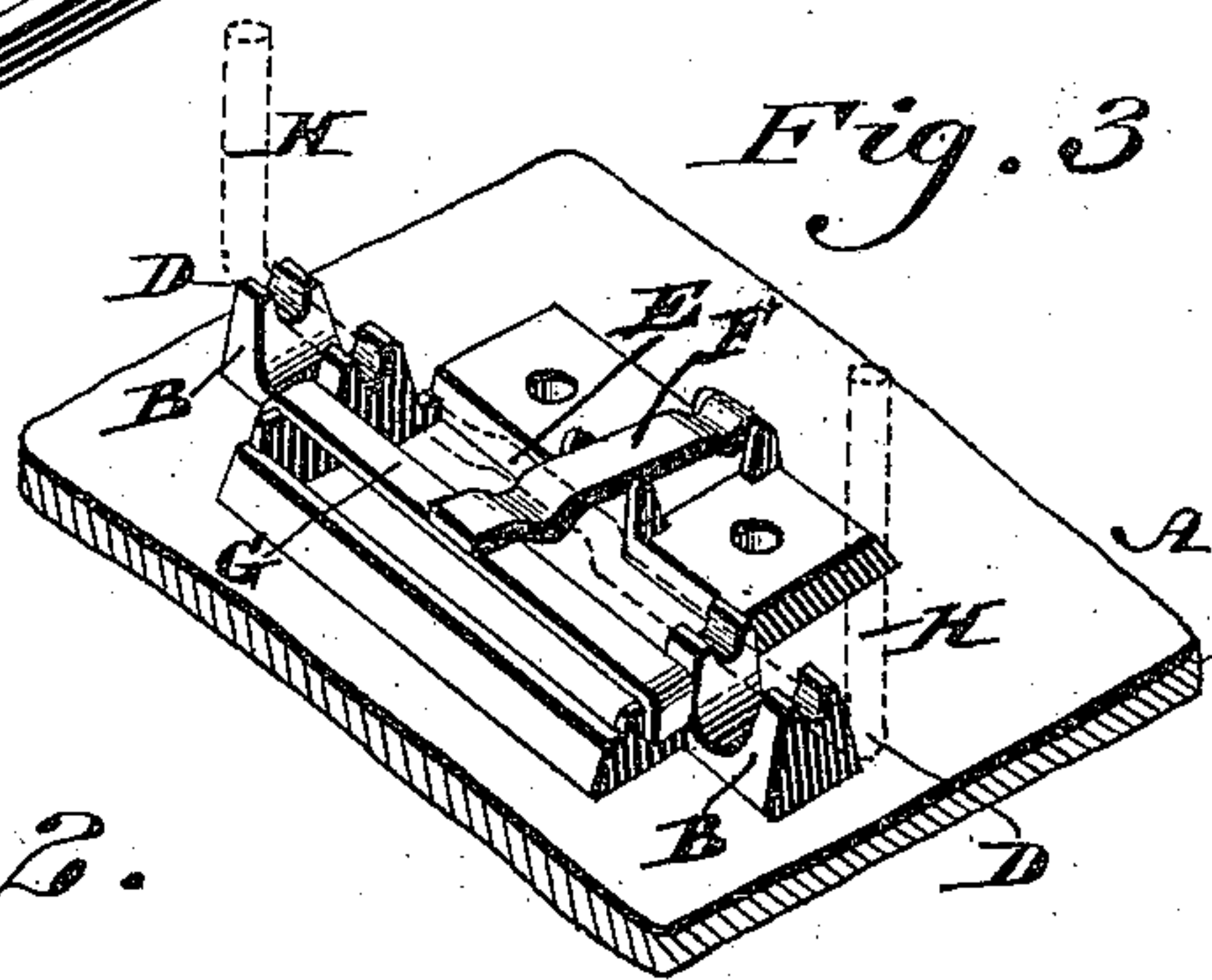


Fig. 3.

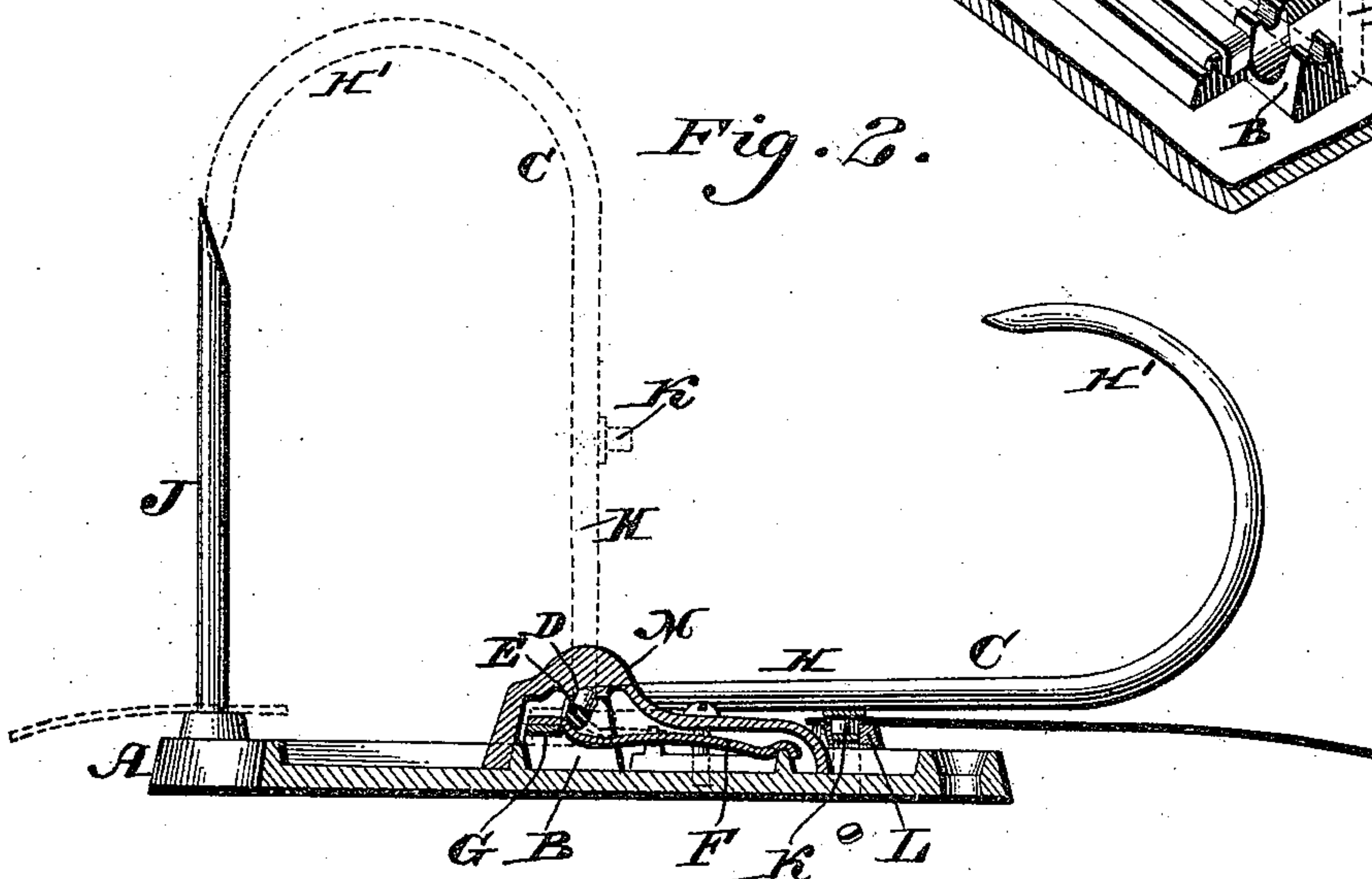


Fig. 2.

WITNESSES:

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PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 442,829, dated December 16, 1890.

Application filed July 10, 1890. Serial No. 358,299. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SCHEU, 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-Files, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a paper-file provided with means for punching or perforating papers, &c., to be filed.

It also consists of a spring, whereby the movable part of the file may be readily held in open and closed positions.

Figure 1 represents a perspective view of a paper-file embodying my invention. Fig. 2 represents a vertical section thereof on line $x x$, Fig. 1. Fig. 3 represents a perspective view of a detached portion.

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

Referring to the drawings, A designates a base of the file, the same being formed of suitable material, and supporting the bearings B for the movable frame C of the file, said frame having its cross-piece or axis D formed with a bend, swell, or crank portion E, the latter bearing against a lever F, one end whereof rests on a spring G, the other end of said lever being mounted on the base A, said spring being preferably of the form of a flat plate, whose ends are supported above the base A, leaving the main length of the spring free for resiliency, so as to exert a pressure on the lever, and consequently on the crank portion of the frame, whereby the latter is subjected to the action of the spring and caused to retain its position when closed or open.

The upper ends of the side pieces H of the frame C are provided with hooks H', which are adapted to engage with the points of the upright pins J, the latter rising from and being secured to the base A and adapted to hold papers, &c., filed or placed thereon, it being noticed that the hooks H' serve to close the points of the pins, preventing the displacement of the papers, &c.; but when desired the papers may be moved over the hooks, as the latter form continuities of the pins, and

thus the papers may be examined without removing them from the file.

On the back of the frame C are punches K, and at a coincident portion of the base are dies L, it being seen that when the frame is swung rearward and downward the punches are adapted to enter or engage with the dies, thus providing means for perforating papers, &c., preparatory to filing the same.

The cross-piece D of the frame C is retained in position on the bearings B by means of a cap M, which is partly located above said cross-piece and secured to the base A, said cap also covering the lever F, spring G, and adjacent portions thereof.

The operation is as follows: When the frame C is thrown back, the points of the pins J are uncovered, so that papers may be filed thereon, after which said frame may be returned to its normal position, thus closing the top of the pins. Owing to the action of the crank E of the cross-piece D of the frame, the lever F is depressed and forced against the spring G, whereby the power of the latter is exerted against said lever, and consequently against the crank of the cross-piece, so that the frame C is held in closed position, the same being true when the frame is in open position. Should it be desired to perforate a paper preparatory to filing or otherwise, it is located at the proper place over the dies L and the frame C thrown back, so that the punches K enter the paper and form openings therein, as is evident, after which the frame may be returned to its closed position and the paper removed from the punches.

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

1. A paper-file having a portion of its frame constituting part of a device for supporting bills and the like, constructed to tilt, and carrying a punch directly in connection therewith, substantially as described.

2. A paper-file having a tilting frame, said frame being a part of the device upon which the papers are placed, a punch carried by said frame, and a base with a counter punch or die, said parts being combined substantially as described.

3. The tilting frame C, directly carrying a punch, having its cross-bar D formed with a crank or projection E, in combination with a lever or arm F, mounted on the base, and a
5 spring supported on said base, the crank or projection E being in contact with said lever and the lever in contact with the spring, substantially as described.

10 4. A paper-file having a tilting frame directly carrying a punch and a spring bearing against the bearing cross-piece thereof, said cross-piece being formed with a crank or projection, and a lever mounted on the base,

which is forced against the spring when the frame is operated, whereby the power of the
15 spring is exerted against the frame, substantially as and for the purpose set forth.

5. A paper-file having a spring, a lever resting thereagainst, and a tilting frame directly
20 carrying a punch, the axial cross-piece of the latter being cranked and bearing against said lever, substantially as described.

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Witnesses:

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