

(No Model.)

M. J. DAVID.

BILL FILE.

No. 274,729.

Patented Mar. 27, 1883.

Fig. 1

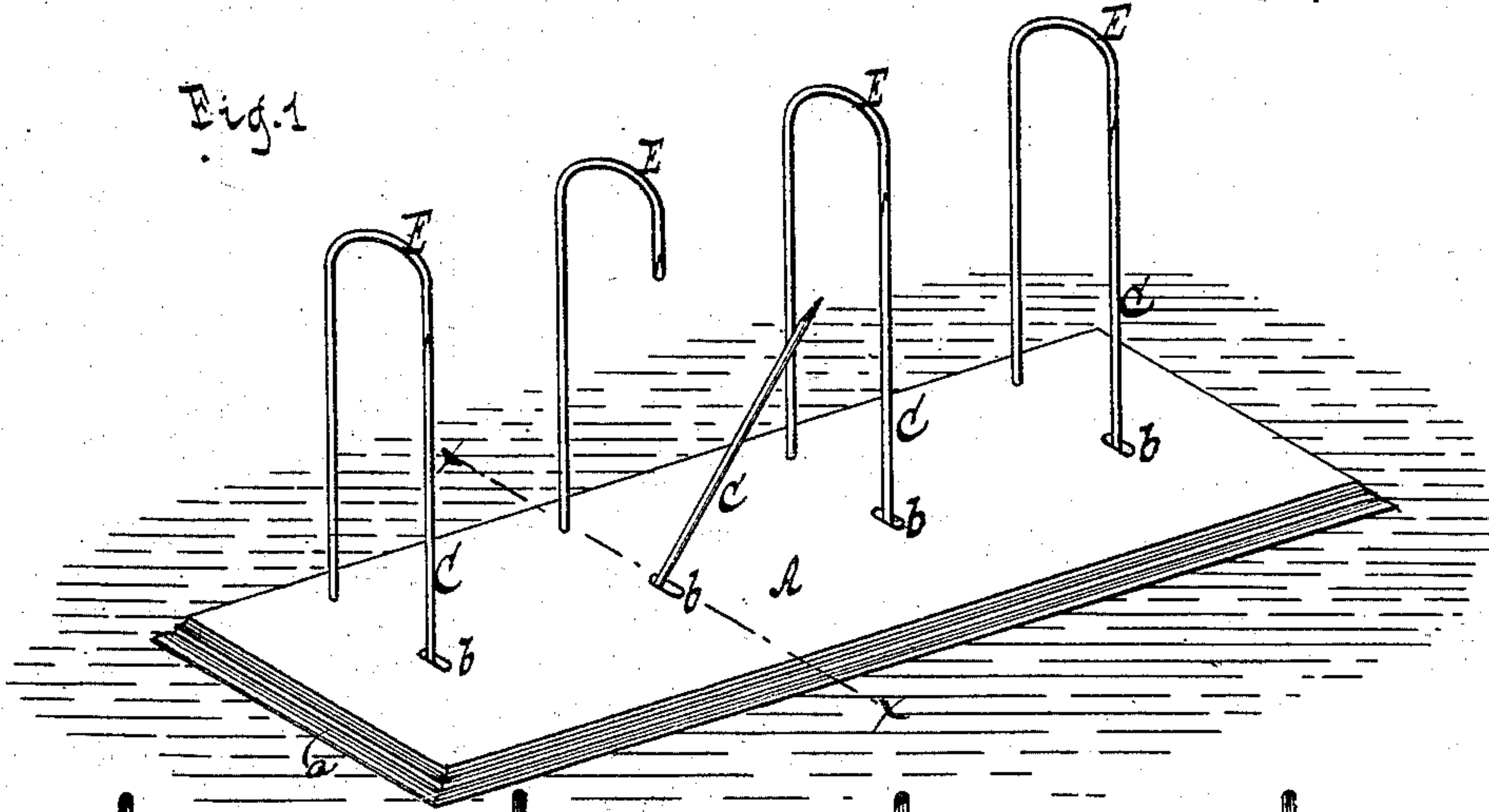


Fig. 2.

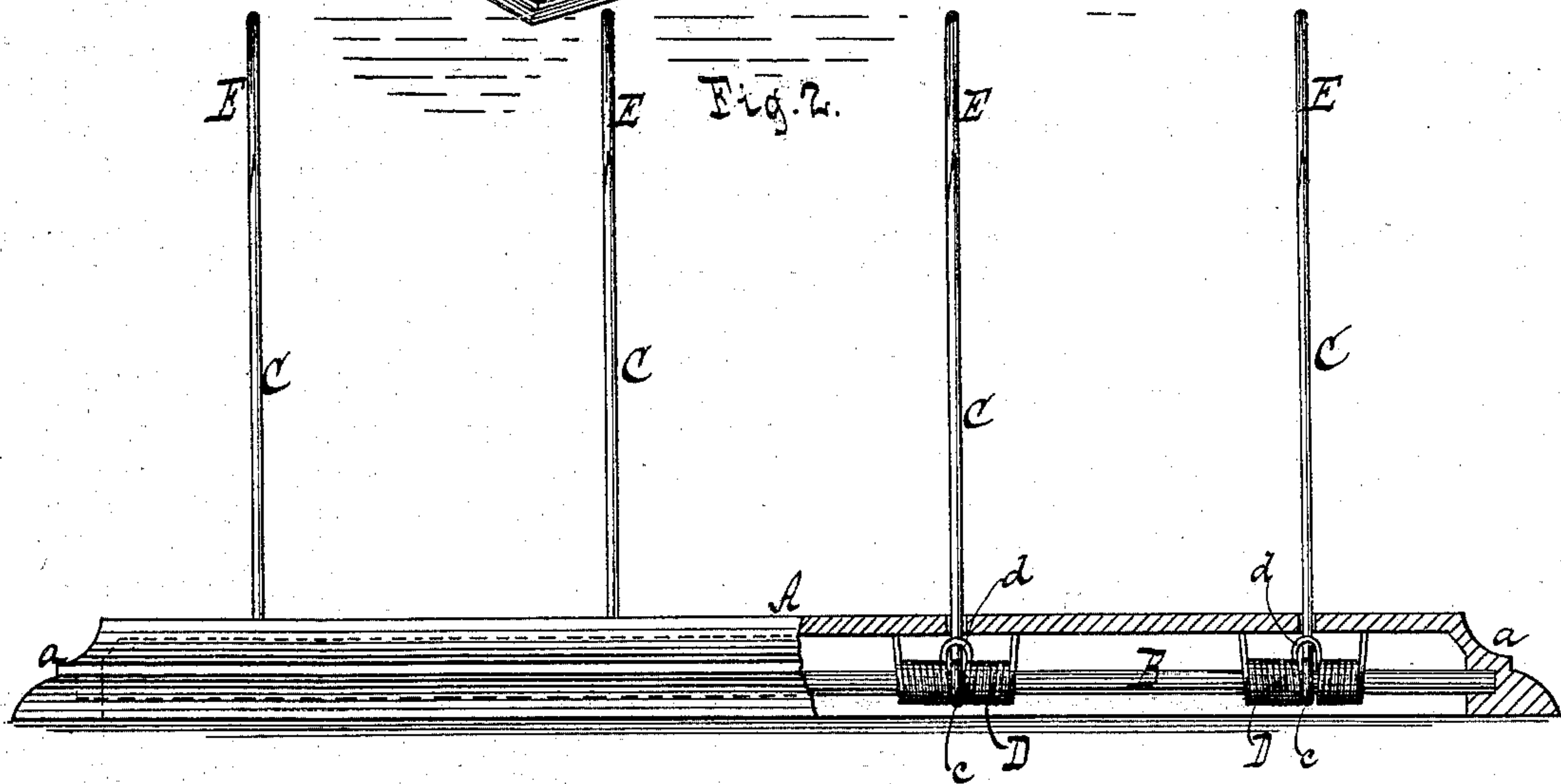
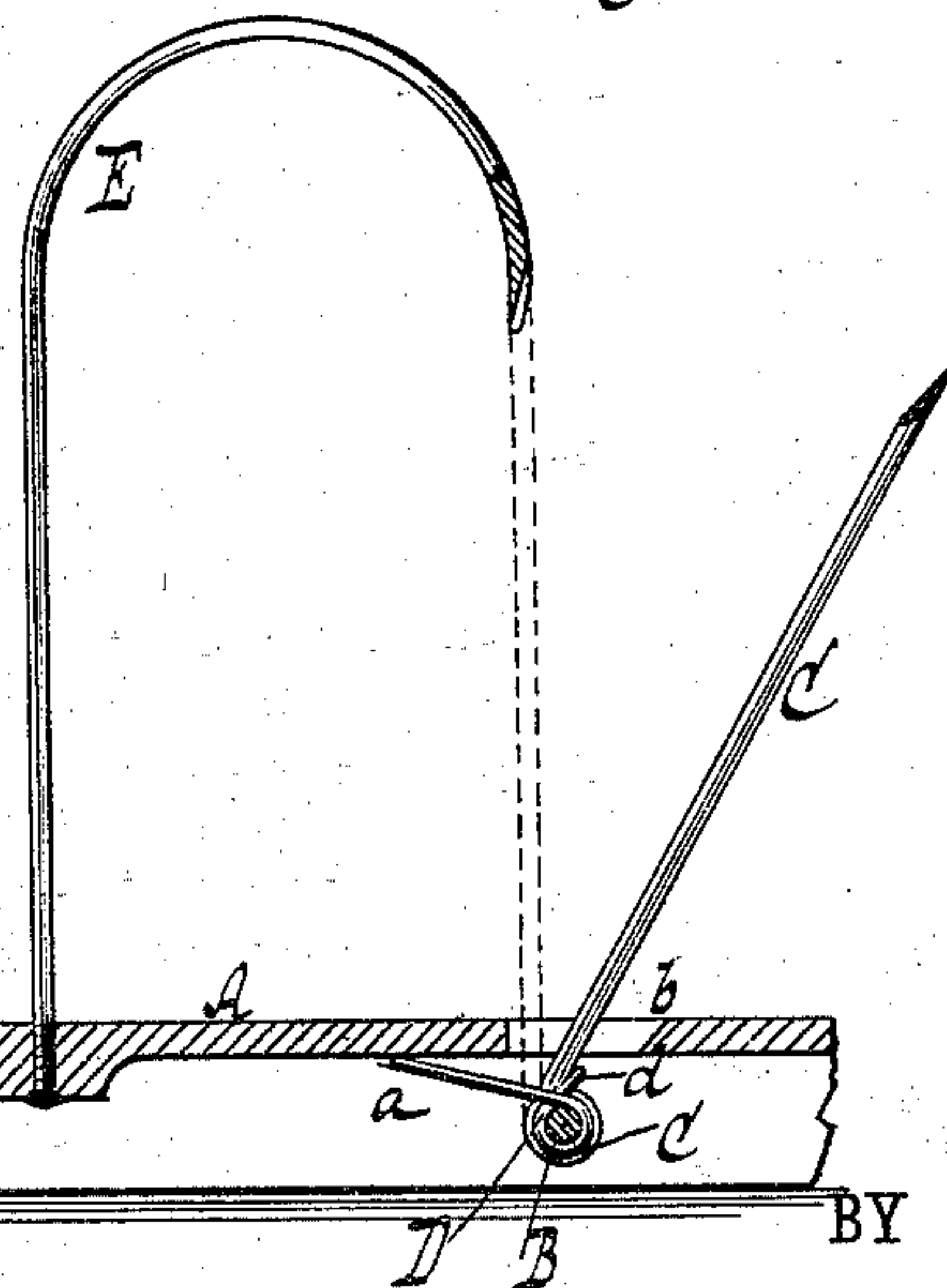


Fig. 3



WITNESSES:

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BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 274,729, dated March 27, 1883.

Application filed January 24, 1883. (No model.)

To all whom it may concern:

Be it known that I, MARCUS J. DAVID, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented new and useful Improvements in Bill Files, of which the following is a specification.

This invention consists in the combination, with a suitable base, of a rod firmly secured in the downwardly-projecting ends of the base; a pin which extends through a slot in the base and is provided with an eye embracing the rod; a spring which is coiled round the rod and provided in its middle with a loop bearing on the pin, while its ends bear against the bottom surface of the base, and an abutment or pin-holder rising from the base, so that by the action of the spring the point of the pin is held up against the pin-holder, and when a bill is to be filed the pin can be easily pressed back against the action of the spring.

This invention is illustrated in the accompanying drawings, in which Figure 1 represents a perspective view. Fig. 2 is a sectional front view. Fig. 3 is a transverse section in the plane *x x*, Fig. 1.

Similar letters indicate corresponding parts.

In the drawings, the letter A designates the base of my bill-file, which is made of cast-iron, or any other suitable material, and provided at its sides and ends with downwardly-projecting flanges or rims *a*, so as to form a concave space beneath. In this concave space is situated a rod, B, which is firmly secured in the downwardly-projecting ends *a*, at some distance from the under surface of the base A. On this rod are mounted a series of pins, C, which project through slots *b* in the base A, and are provided at their bottom ends with eyes *c*, embracing the rod B, so that they can swing as far as the slots *b* will permit.

With each of the pins C is combined a spring, D, which is coiled round the rod B, half in one direction and half in the opposite direction, and provided in its middle with a loop, *d*, which bears upon the shank of the pin, while the ends of said spring bear against the under surface of the base A. By coiling the spring one half in one direction and the other half in the op-

posite direction both portions of the spring wind up, if the loop *d* is pressed outward to the position shown in full lines in Fig. 3, and as the spring has a natural tendency to unwind, the loop *d*, which bears upon the shank of the pin C, throws said pin forward to the position shown in dotted lines in Fig. 3. In this position the point of the pin bears against an abutment or pin-holder, E, which rises from the base A, and is firmly secured in the same. This abutment is by preference made in the form of a hook, of wire, equal in thickness to the pin, and the end of said hook is provided with a cavity to receive the point of the pin, as shown in the drawings.

By means of the slots *b* in the base the pins are prevented from sliding on the rod B in the direction of its length, and the springs are retained in position by the pins; but, if desired, the end coils of each spring may be fastened to the rod B by solder or other suitable means.

It will be readily understood that the number of pins mounted on the rod B may be increased to any desired extent.

What I claim as new, and desire to secure by Letters Patent, is—

The combination, substantially as hereinbefore described, of the base A, provided with the abutment or pin-holder E, the rod B, firmly secured in the downwardly-projecting ends of said base, the pin C, which extends through a slot in the base and is provided with an eye embracing the rod B, the spring D, provided in its middle with a loop which bears upon the shank of the pin, said spring being wound half in one and half in the opposite direction, and having its ends brought to bear against the under surface of the base, and serving to retain the pin against the abutment or pin-holder, and to restore it back against the said abutment or holder when drawn therefrom and released.

In testimony whereof I have hereunto set my hand and seal in the presence of two subscribing witnesses.

MARCUS J. DAVID. [L. S.]

Witnesses:

H. MICHAELS,
FRANK M. CROUCH.