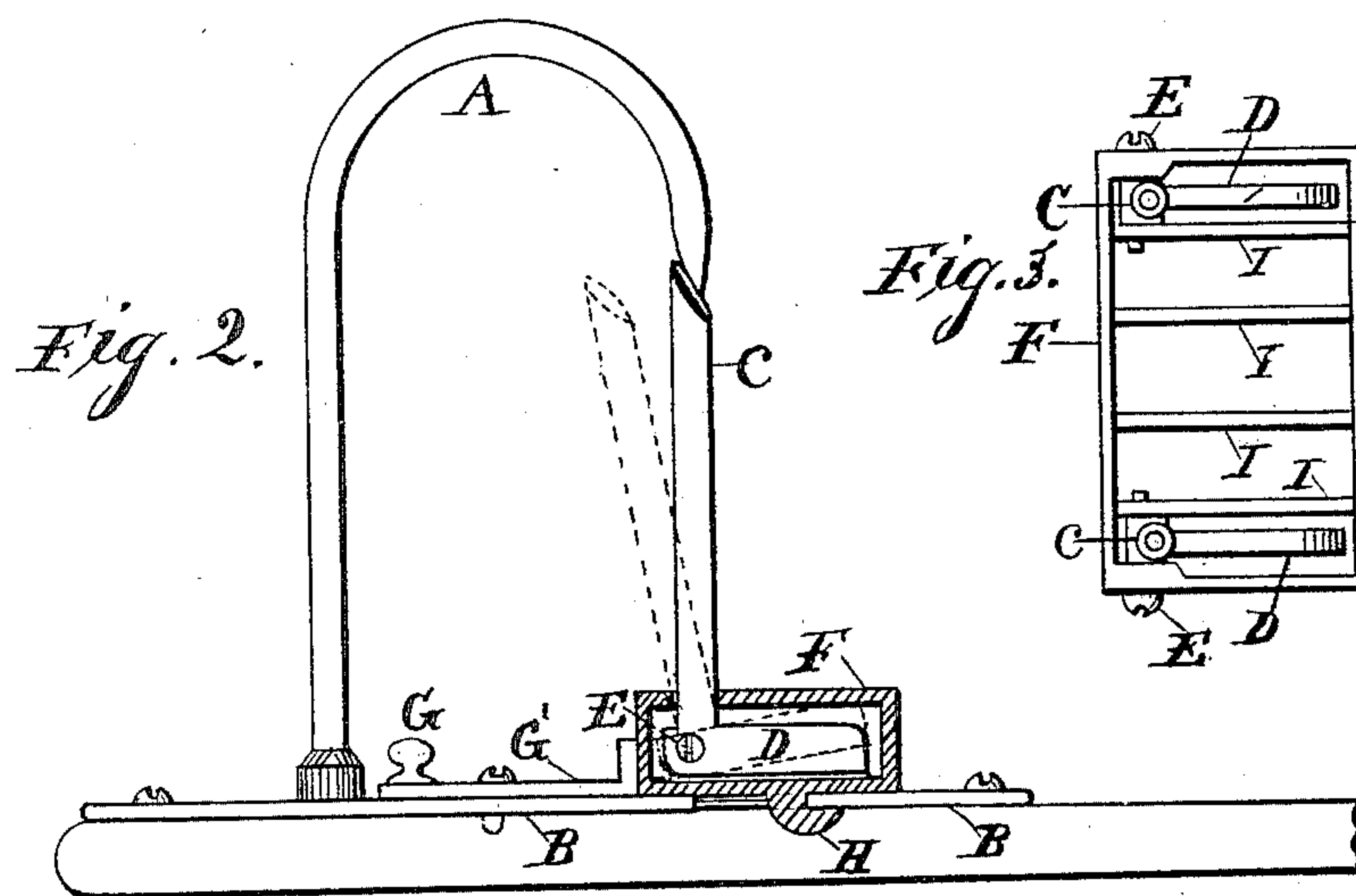
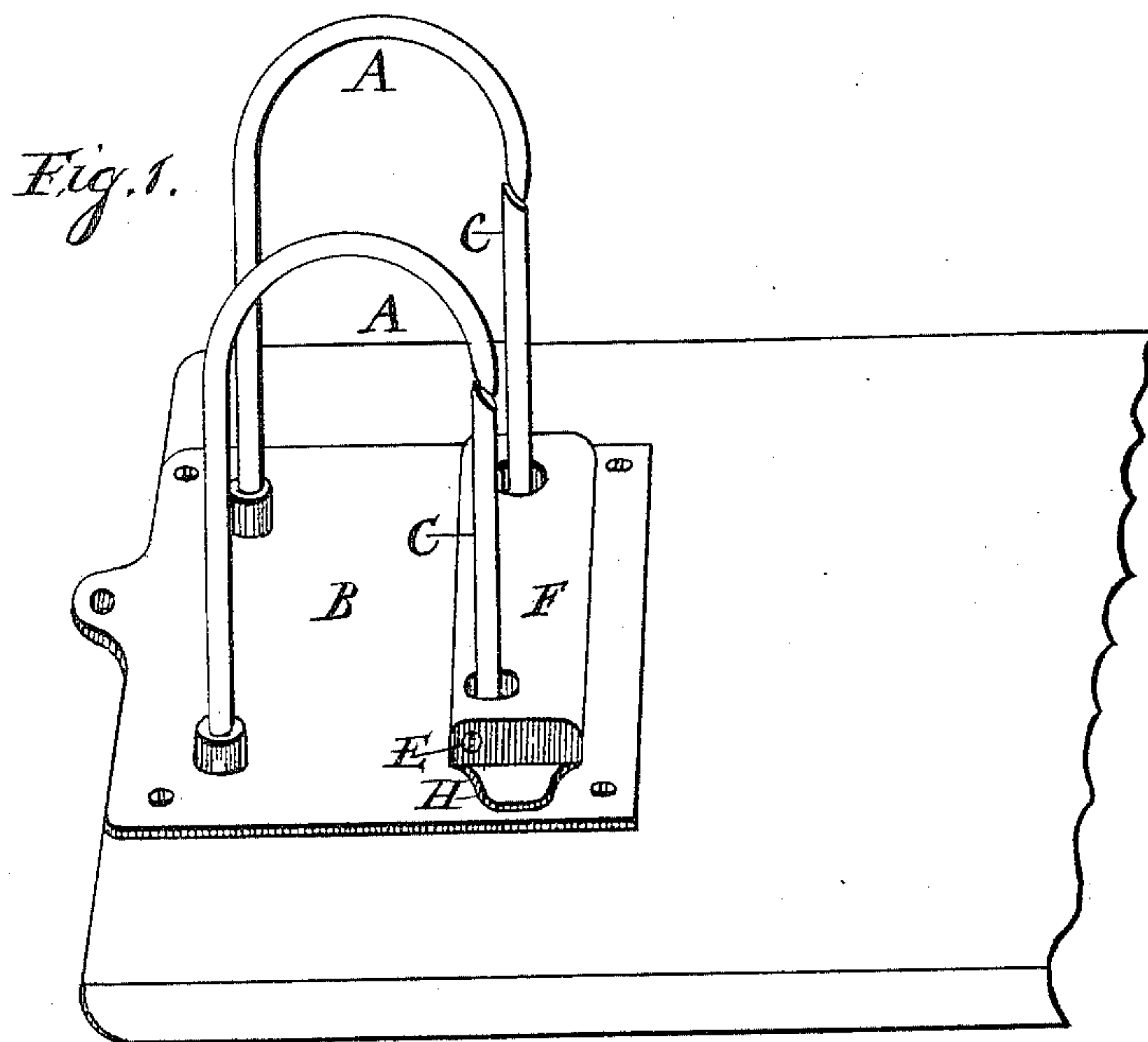


(No Model.)

C. E. STONE.
PAPER FILE.

No. 454,502.

Patented June 23, 1891.



Witnesses

J. Brereton.

A. Sanderson.

Inventor

Charles Edgar Stone

per

William Gill

Attorney

UNITED STATES PATENT OFFICE.

CHARLES EDGAR STONE, OF TORONTO, CANADA.

PAPER-FILE.

SPECIFICATION forming part of Letters Patent No. 454,502, dated June 23, 1891.

Application filed November 12, 1890. Serial No. 371,254. (No model.) Patented in Canada October 15, 1890, No. 35,217.

To all whom it may concern:

Be it known that I, CHARLES EDGAR STONE, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Paper-Files, (for which I have received Letters Patent in Canada, October 15, 1890, No. 35,217;) and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective plan view of the file. Fig. 2 is a side elevation of the same, showing the movement and working of my invention. Fig. 3 is a plan view of the box with the balanced weights therein when two weights are used, the cover of the box being removed to show the weights and pivots on which the weights move when the file is being used.

Fig. 1 shows the curved wires A A and the plate B, to which they are fastened; also, the upright wires or tubes C C and the box F, containing the balanced weights D, which bring back the upright wires or tubes to their normal position when the file is being used. There is also shown in this figure a knob G on a locking-plate G', which secures the box F in position when the device is being used.

Fig. 2 shows on an enlarged scale one of the curved wires A and also one of the uprights C in two positions. The filing position is shown in dotted lines. This figure shows also the box F with a balanced weight D and the position of the pivot E. A flange H, cast on the bottom of the box F and fitting snugly on the plate, with the lock-plate G', secures the

box firmly on the said plate and is readily removed when emptying the file.

Fig. 3 shows the box F, the weights D D, pivots E E, and cross-bars I I.

In operating the device the upper ends of the uprights C C are moved backward with the slightest possible pressure of the paper in filing, and are brought forward by the weights D, which make a partial turn on the pivots E when the pressure is removed. In emptying the file the lock-plate G' is moved out of contact with the box F and the box F moved forward until the flange H is clear of the edge of the plate B, when the box is lifted off from the plate B. The papers are now removed from the file, when the device is placed again in working position.

Having thus described my invention, I claim—

1. The combination, in a paper-file, of the upright curved wires A A, with the plate B, the upright wires or tubes C C, with the balanced weights D D, pivoted between the ends of the box F and bars I I, as shown and described.

2. The combination, in a paper-file, of the knob G, with lock-plate G', and flange H on the bottom of the box F for securing the box F when in working position and releasing the same with the uprights C C when emptying the file, the whole arranged and combined and operating substantially as set forth.

CHARLES EDGAR STONE.

Witnesses:

SYDNEY A. C. GREENE,
ANNIE M. BATTERS.