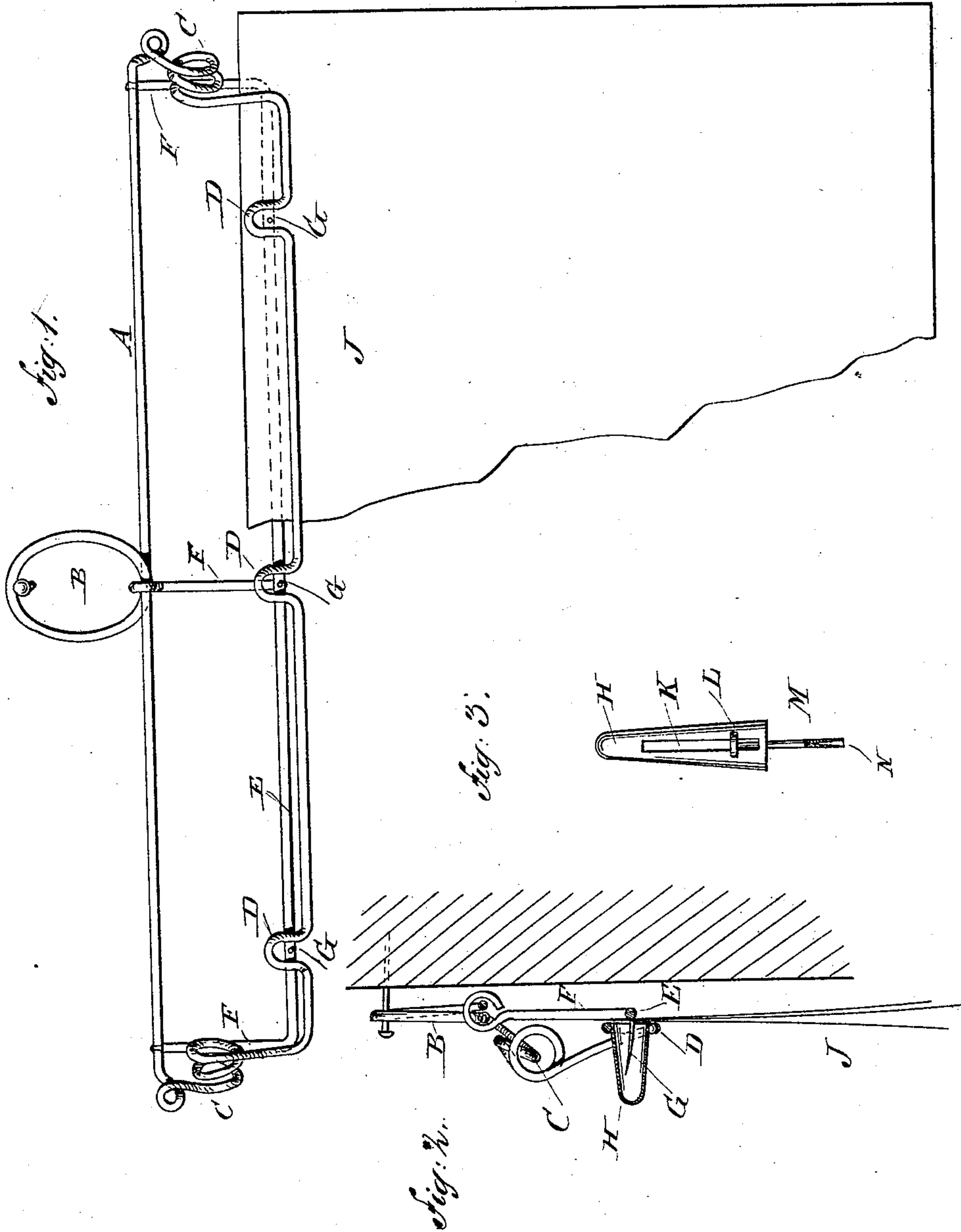


(No Model.)

W. R. COLE.
BILL FILE.

No. 250,501.

Patented Dec. 6, 1881.



WITNESSES:

Chas. Nida
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INVENTOR:

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UNITED STATES PATENT OFFICE.

WILLIAM R. COLE, OF POTTSVILLE, PENNSYLVANIA.

BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 250,501, dated December 6, 1881.

Application filed April 20, 1881. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM R. COLE, of Pottsville, Schuylkill county, Pennsylvania, have invented a new and Improved Paper-
5 File, of which the following is a specification.

The object of my invention is to facilitate temporarily binding sheets, papers, bill-heads, &c.

In the accompanying drawings, Figure 1 is
10 a longitudinal elevation of my improved paper-file. Fig. 2 is a cross-sectional elevation of the same; and Fig. 3 is an elevation of the cap provided with the sliding pin, the lower part of this pin being shown in longitudinal section.

15 Similar letters of reference indicate corresponding parts.

The wire A is bent in the form of an oblong, with a loop or ring, B, in one of the longitudinal parts, to form a handle or eyelet for holding or hanging the file, and with spring-coils
20 C C at the ends. The outer longitudinal part of the wire—that is, the one opposite the one with the loop B—is provided with a series of inward bends or notches, D D. A wire base-frame, E, is rigidly attached to the above-described spring-frame by a series of arms, F F, in
25 such a manner that the outer longitudinal part will be below and parallel with the outer longitudinal part of the spring-frame. This base-frame E is provided with a series of upward-projecting pins, G G, corresponding in position
30 with the bends D D, which surround these pins when the spring-frame is pressed upon the base-frame. The pins G G are passed through
35 the sheets, papers, bill-heads, notes, &c., to be filed, and a beveled cap or thimble, H, is passed over each pin G. The bends D surround these thimbles and press them on the sheets J, and thus hold the papers on the pins G.

The file may be used without the caps or
40 thimbles, but they are preferred, as persons cannot be injured by the points of the pins if these caps are used. The thimbles or caps H may be constructed with a longitudinal slot, K, in which a button, L, slides, having a pin,
45 M, attached thereto, the lower end of which pin M is provided with a longitudinal recess, N. This device is used as follows: If a single sheet is to be removed, the pin M is pressed
50 upon the pin G, the point of the latter entering the recess of the former. Then the sheets above the one to be removed are pushed upward on the pin M and the caps and the pins
55 M and the sheets thereon are raised sufficiently to permit removing the sheet desired from the pins G G. As the caps or thimbles H are beveled, the bends D will rest against the lower
60 part of these caps; or the caps may be provided with an outward band or flange at the lower end, if desired.

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

In a paper-file, the combination, with a spring-frame having notches or bends D, of a rigid
65 base-frame attached thereto, of the pins G, of the caps or thimbles H, provided with a slot, K, of the sliding buttons L, and of the pin M, attached thereto and provided with a longitudinal
70 recess, N, in the lower end, substantially as herein shown and described, and for the purpose set forth.

WILLIAM ROBERTS COLE.

Witnesses:

CHAS. H. WÖLTJEN,
JOHN E. SHULL.