

No. 701,448.

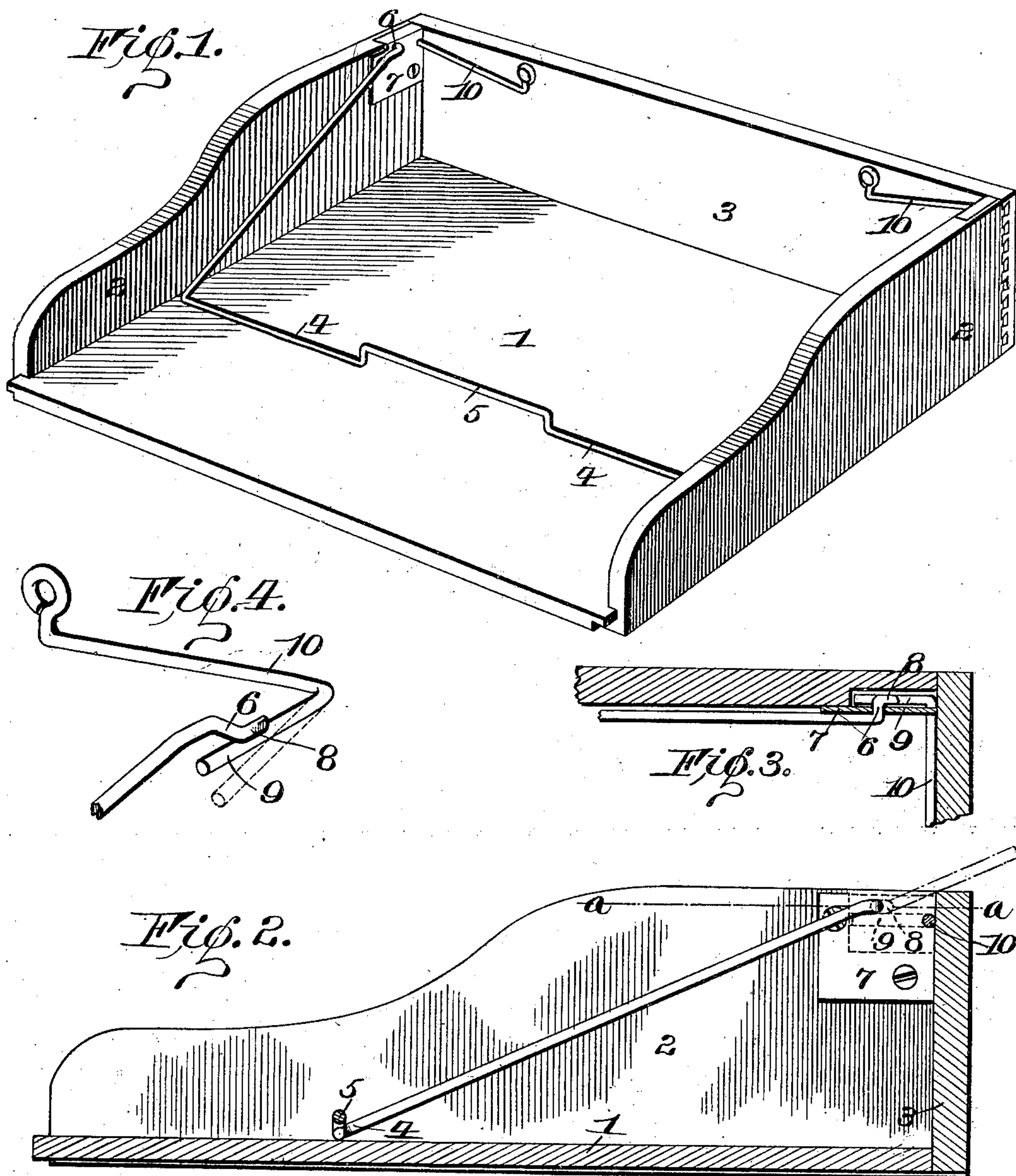
Patented June 3, 1902.

P. H. YAWMAN.

BILL FILE.

(Application filed June 3, 1901.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

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BILL-FILE.

SPECIFICATION forming part of Letters Patent No. 701,448, dated June 3, 1902.

Application filed June 3, 1901. Serial No. 62,865. (No model.)

To all whom it may concern:

Be it known that I, PHILIP H. YAWMAN, of Rochester, in the county of Monroe and State of New York, have invented certain new and
5 useful Improvements in Bill-Files; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, and
10 to the reference-numerals marked thereon.

My present invention relates to bill files or clips adapted for holding letters, bills, or papers of that class employing a spring-operated clamping member, and has for its object
15 to provide a simple and cheap device for operating the holding or clamping member, all as will be hereinafter described, and the novel features pointed out particularly in the claims at the end of this specification.

20 In the drawings, Figure 1 is a perspective view of a bill file or holder embodying my improvements; Fig. 2, a longitudinal sectional view; Fig. 3, a horizontal section on the line *a a* of Fig. 2; Fig. 4, a perspective
25 view of the spring operating parts detached.

Similar reference-numerals in the several figures indicate similar parts.

I have shown my invention applied to a well-known form of bill file or holder embody-
30 ing a bottom board or support 1, sides 2, and a back board 3, the whole constituting a tray or drawer adapted for application to a cabinet.

4 indicates the follower or clamp for holding letters down upon the base-board, made
35 in the present instance in the form of a bail, having a handle portion 5 and pivoted at its ends to the upper portion of the side boards near the rear thereof. This bail is preferably formed of a single piece of heavy wire
40 or metal strip having the rearwardly-extending arms with their ends bent outward to form bearing portions 6, journaled in apertures formed in bearing-plates 7, and the extreme ends are bent rearwardly again to form
45 crank or offset portions 8 on the inner sides of the plates 7. The plates 7 are attached to the side boards 2 of the support or, if preferred, let into recesses therein, as shown, and the crank ends of the bail extend when the
50 bail is in normal position, as shown, upon

and substantially parallel with extensions 9, formed upon and preferably integrally with spring-wires 10, secured to the back board 3 and passing through apertures in the plates 7. The torsion of the spring-wires 10 and the
55 elasticity of the arm or extension 9 is sufficient to hold the bail in the positions shown in full and dotted lines in Fig. 2 as they operate upon the short crank-arms 8 thereon, said cranks being short enough to permit the
60 bail to be turned up and down and held in either position, the end of the crank passing across the center of motion of the bail or follower.

The construction shown forms a very sim-
65 ple and cheap spring-hinge for the bail or follower, as but three pieces are necessary on each side of the box; but, as will be understood, only one spring connection need be used, if desired, if the bail or follower is suf-
70 ficiently stiff. The follower and spring could be used in other forms of letter or bill holders, if desired, and applied otherwise than as shown; but I find it admirably adapted for this form, as the single plate serves as the
75 bearing for one end of the bail and the support for the spring as well.

I claim as my invention—

1. In a bill file or holder, the combination with a base-board or support, the sides there-
80 on and a plate secured to the upper portion of one side, of a follower pivoted in the plate and having a crank-arm on the inner side of the latter, of the spring arranged exterior of the plate and extending through it and se-
85 cured thereby and having the arm with which the crank-arm on the follower engages.

2. In a bill file or holder, the combination with the base-board or support, and plates at the sides thereof having two apertures, of the
90 follower having the arms journaled in the plates and the crank at the end of one of them, and a spring-arm passing through one of the plate-apertures and having the extension parallel with the plate with which the crank-arm
95 engages.

3. In a bill-file, the combination with the base-board or support, and plates at the sides thereof having two apertures, of the follower
100 having the arms journaled in the plates and

having the cranks thereon, the spring-arms extending through the plates and having the extensions parallel with the plates and on the rear side thereof with which the cranks engage to hold the follower in two positions of adjustment.

4. In a bill-file, the combination with the base-board or support, the sides and back board, and the plates at the upper portions of the side boards having apertures therein, of the follower having the arms journaled in the apertures in the plates, one of them being provided with a crank, and a spring-arm extending parallel with the plate to engage the crank-arm.

5. In a bill-file, the combination with the base-board, the sides and back board, and the plate at the upper portion of the side boards having two apertures therein, of the follower having the arm extending through the aperture in the plate, and the crank thereon, the spring secured to the back board extending through the aperture in the plate and having the extension operating upon the crank on the follower-arm.

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Witnesses:

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