

No. 709,221.

Patented Sept. 16, 1902.

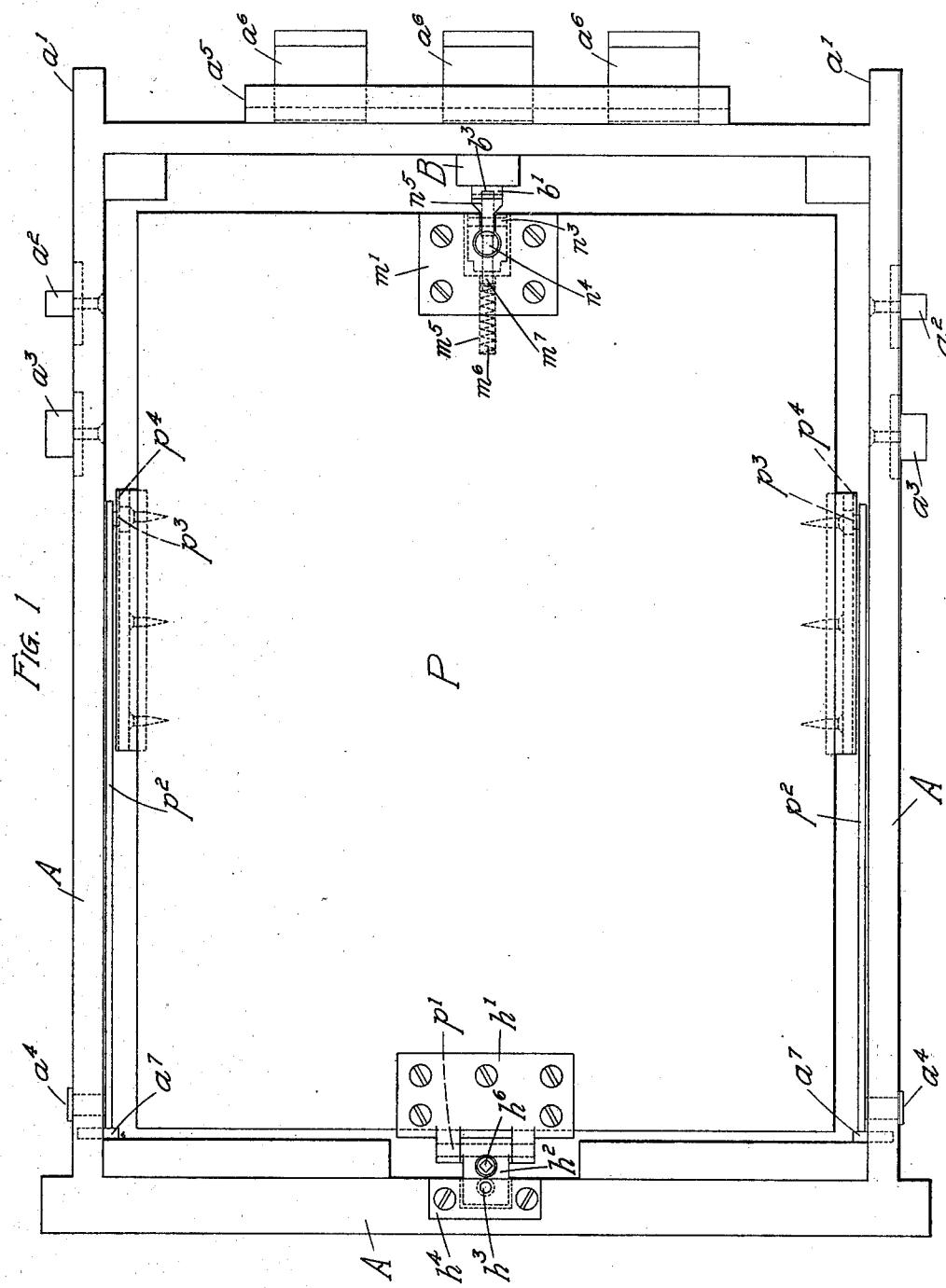
D. E. HUNTER.

FOLIO HOLDER.

(Application filed Dec. 18, 1901.)

(No Model.)

2 Sheets—Sheet 1.



WITNESSES,

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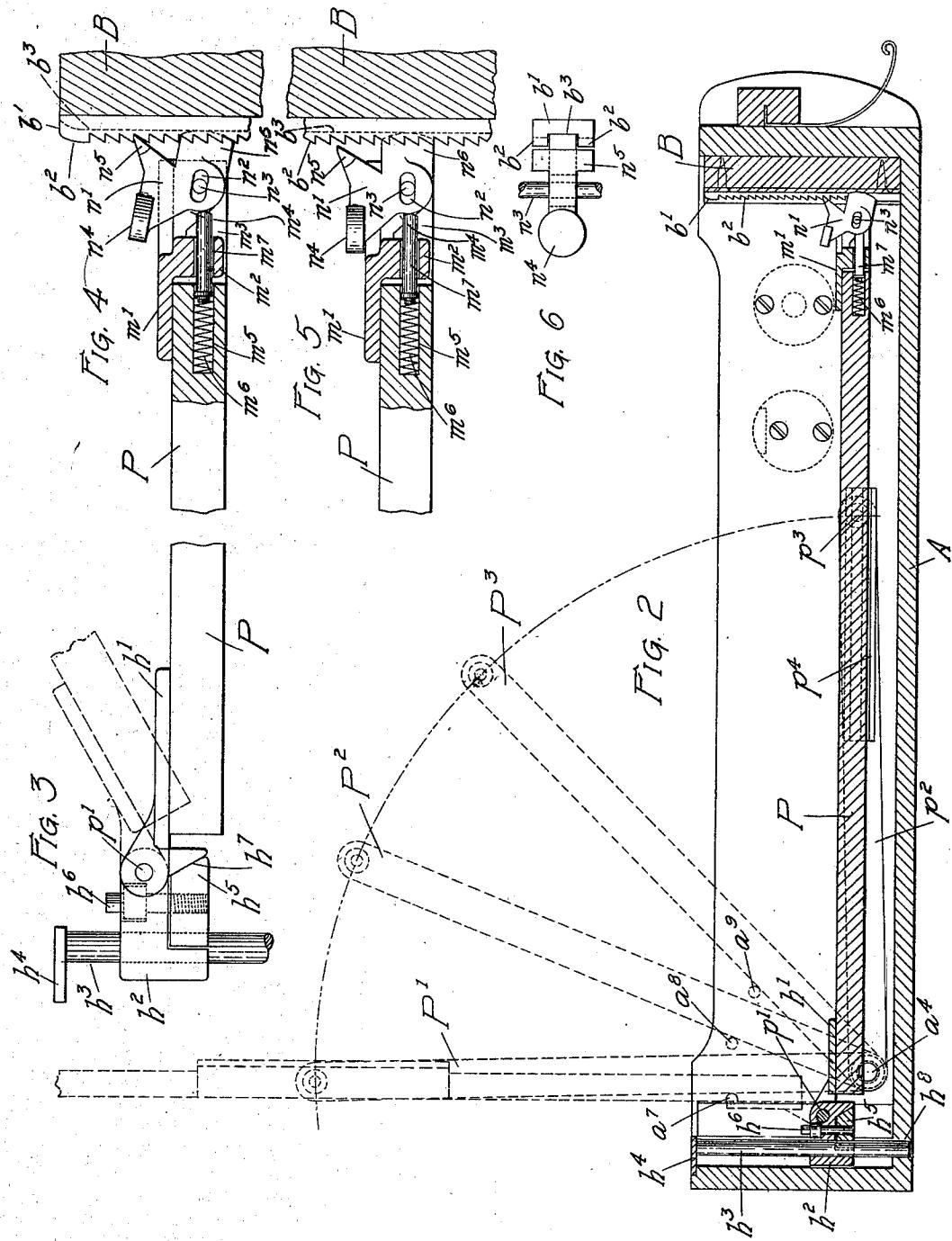
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UNITED STATES PATENT OFFICE.

DAVID E. HUNTER, OF CAMBRIDGE, MASSACHUSETTS, ASSIGNOR TO
LIBRARY BUREAU, OF BOSTON, MASSACHUSETTS, A CORPORATION
OF MASSACHUSETTS.

FOLIO-HOLDER.

SPECIFICATION forming part of Letters Patent No. 709,221, dated September 16, 1902.

Application filed December 16, 1901. Serial No. 86,006. (No model.)

To all whom it may concern:

Be it known that I, DAVID E. HUNTER, a citizen of the United States, and a resident of Cambridge, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Folio-Holders, of which the following is a specification.

My invention consists in improvements in folio-holders, and is adapted especially to hinged and tilting drawers, such as are used in filing-cabinets for photographs and the like.

My improvements supply a readily-adjustable device which is silent in action, and therefore especially useful in libraries and offices where quiet is desired.

In the drawings hereto annexed, which illustrate an embodiment of my invention, Figure 1 is a top plan view of a drawer containing my improved folio-holder. Fig. 2 is a longitudinal vertical section of the drawer of Fig. 1. Fig. 3 is a detail, on a larger scale, of the adjustable hinge which forms part of my device; and Figs. 4, 5, and 6 are details showing the self-adjusting silent-acting securing device which constitutes part of my improvements.

The folio-holder consists of the cover-board P, which is hinged at p', at the end of the drawer or case A.

Folio-holders of the character herein described are especially useful in drawers commonly used in the display of photographs and the like, and I show my invention herein applied to such a drawer. As the load in the drawer increases in bulk the hinge connection of the cover-board P should be susceptible of adjustment, so that the cover-board P may always lie parallel with the bottom of the drawer A. I secure this adjustment by the hinge device shown in detail in Fig. 3. The hinge-plate h' is secured to the cover-board P and is articulately joined to the block h² at p'. The block h² is perforated to receive a slide-rod h³, which is secured to the front board of the drawer A at h⁴ and steps in the hole h⁸. A clutch-block h⁵ depends from the block h² upon a screw h⁶, the clutch-block h⁵ being tapped for the purpose and the screw h⁶ turning idly and loosely in a cylindrical hole in the block h². The upper end of the

screw h⁶ is squared to receive a key-wrench. An incline h⁷ is formed upon a depending portion of the block h², and the end of the clutch-block h⁵ adjacent thereto is correspondingly beveled. The hole for the slide-rod h³ is at its lower end partly cut from the block h² and partly from the clutch-block h⁵. If it be desired to raise or lower the hinge for the board P, the screw h⁶ is slackened by means of a key-wrench, and the clutch-block h⁵ hangs loosely, permitting the block h² to slide freely on the rod h³ to the desired position. Then the screw h⁶ is turned up tight, and the clutch-block is drawn up and toward the rod h³ by means of the incline or wedge h⁷ and securely binds the hinge.

It is also necessary to fasten the upper or rear end of the cover-board P at points suited to the thickness of the contents of the drawer A. Pawl-and-rack fastenings as usually constructed will accomplish this result; but they are noisy and ill adapted, therefore, to library use, for which my improved drawer is especially intended. I provide, therefore, the silent automatic pawl-and-rack arrangement shown in Figs. 4 to 6, inclusive. A block B, Fig. 4, is secured to the center of the back of the drawer A, and thereon is mounted the rack b'. The toothed portions b² are separated by a track or channel b³, which is perfectly smooth. The pawl is mounted on the pawl-plate m', secured to the cover-board P, which is slotted at m³ to accommodate the pin-guide m² and the wings m⁴ of the plate m'. The pawl n' is mounted on the pin n³, which passes through and between the wings m⁴. The pawl n' is slotted at n², so that its connection with the pin n³ is loose. The pawl n' is provided with three projecting portions—the thumb-plate n⁴, the dog n⁵, and the shoe n⁶. A pin m⁷, which slides in the pin-guide m² and the hole m⁵, cut in the cover-board P, is pressed against the pawl n' by means of the spring m⁸, which is seated in the hole m⁵. This pin m⁷ keeps the pawl n' constantly thrust outward, so that as the cover-board P is closed up, as from the position P' of Fig. 2, the shoe n⁶ strikes the rack-plate b' first. This shoe n⁶ registers with the smooth track b³ and slides therein noiselessly and with enough friction to hold the cover-board P in any position.

to keep the dog n^5 out of contact with the racks b^2 . When the cover-board P has been pressed into closed position and the hand of the person manipulating it is withdrawn, the natural elasticity of the contents of the drawer causes the board P to rise a little. This movement makes the shoe n^6 take hold of the plate b' like a friction-clutch, and the pawl n^7 turns on its pivot, placing the dog n^5 10 in the nearest teeth of the rack b^2 . All this is accomplished with practically no noise. In turning the cover-plate back the person so doing places his thumb on the thumb-plate n^4 , disengages the pawl n^5 and racks b^2 , and 15 tips back the board.

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

1. The combination, in a drawer, of a hinged cover-board, and a securing device therefor 20 consisting of a pawl, a rack therefor, a track, a pawl-shoe running in the track and adapted by contact therewith to hold the pawl away from the rack as the cover-board is closed, substantially as described.
2. The combination, in a drawer, of a hinged cover-board, and a securing device therefor 25 consisting of a pawl, a rack therefor, a pawl-spring, normally urging the pawl toward the rack, a track, a pawl-shoe running in the track 30 and adapted by contact therewith to hold the pawl away from the rack as the cover-board is closed, substantially as described.

3. The combination, in a drawer, of a hinged cover-board, and a securing device therefor 35 consisting of a pawl loosely pivoted to the cover-board, a rack therefor, a track, a pawl-shoe running in the track, and adapted by contact therewith to hold the pawl away from the rack as the cover-board is closed, substantially as described. 40

4. The combination, in a drawer, of a hinged cover-board, and a securing device therefor 45 consisting of a pawl loosely pivoted to the cover-board, a rack therefor, a pawl-spring, normally urging the pawl toward the rack, a track, a pawl-shoe running in the track and adapted by contact therewith to hold the pawl away from the rack as the cover-board is closed, substantially as described.

5. The combination, in a folio-holder, of a 50 cover-board, a hinge-plate thereon, articulately joined to a sliding block, said block perforated to slide on a rod, the rod, a clutch-block pendent from the sliding block upon a binding-screw, and located between the slide-rod and an incline formed upon the sliding block, substantially as described. 55

Signed by me at Boston, Massachusetts, this 10th day of December, 1901.

DAVID E. HUNTER.

Witnesses:

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FRANK S. HARTNETT.