No. 883,341. PATENTED MAR. 31, 1908.

A. S. PIERSON.

SHUTTER WORKER.

APPLICATION FILED MAR. 28, 1907.

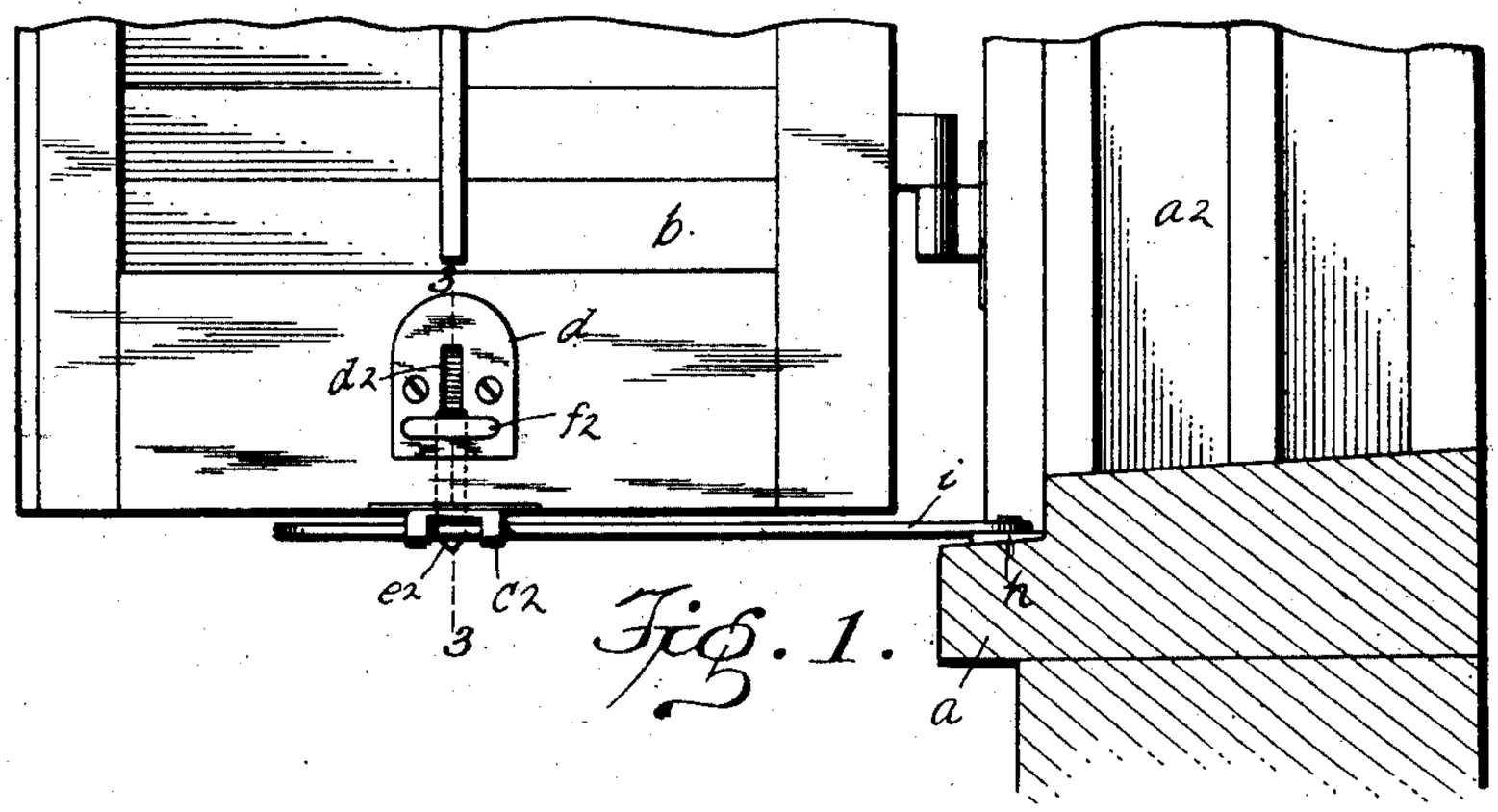

Fig. 1.

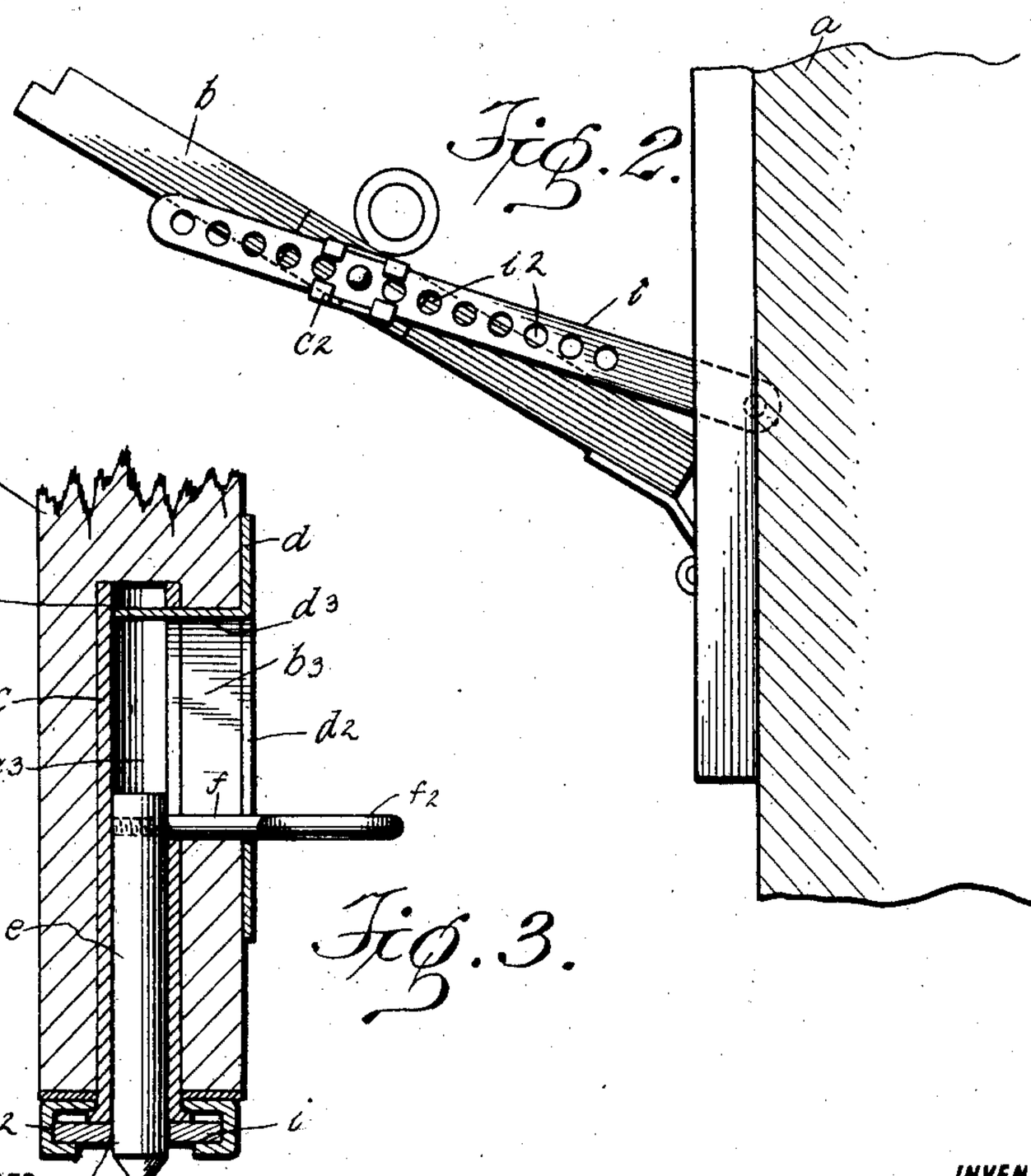

Fig. 2.

Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

ARTHUR SAMUEL PIERSON, OF MORRISTOWN, NEW JERSEY.

SHUTTER-WORKER.

No. 883,341. Specification of Letters Patent. Patented March 31, 1908.

Application filed March 28, 1907. Serial No. 365,158.

To all whom it may concern:

Be it known that I, ARTHUR S. PIERSON, a citizen of the United States, and residing at Morristown, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Shutter-Workers, of which the following is a specification such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to window shutters, and the object thereof is to provide a simple and effective device by means of which a window shutter may be locked in an open or closed position, or adjusted into any desired position and locked therein.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which;—

Figure 1 is a transverse section of the bottom part of a window frame and showing part of a shutter provided with my improvement; Fig. 2 a bottom plan view of the construction as shown in Fig. 1; and, Fig. 3 a section on the line 3—3 of Fig. 1.

In the drawing forming part of this specification, I have shown a part of the bottom portion of a window frame, comprising the bottom sill a and one side a^2 together with the bottom portion of a shutter b and, in the practice of my invention I form, in the bottom of the shutter sash and preferably in the center thereof, a vertically arranged mortise b^2 in which is secured a sleeve c, the lower end of which is provided with a keeper c^2, rotatable on said sleeve and in one side of the sleeve c and in the top portion thereof is a vertical slot or opening c^3 and the front or inner side of the shutter b is provided with a corresponding vertically arranged slot or opening b^3, and secured to the shutter is a plate d having a corresponding slot or opening d^2 at the upper end of which is an inwardly directed finger d^3 which passes in through the slots or openings b^3 in the shutter and c^3 in the sleeve c, and the object of which is to prevent the turning of said sleeve in the bottom portion of the shutter.

Placed in the sleeve c is a vertically movable plunger e the bottom end of which is tapered as shown at e^2, and, in practice, a screw f is passed in through the slots or openings d^2, b^3 and c^3 in the plate d, shutter b and sleeve c respectively and screwed into the plunger e and the outer end of said screw is provided with a handle f^2.

Secured to the bottom of the sill a of the window frame and preferably adjacent to the right hand corner thereof when viewed from the inner side of the frame is a plate h to which is pivoted a flat arm i which passes through the keeper c^2 and is free to move therethrough, and said arm is provided with a plurality of longitudinally arranged apertures i^2 through which the lower end of the plunger e is adapted to pass and the bottom portion of the keeper c^2 is open to permit the plunger e to pass downwardly through the arm i.

The plunger e is a gravity plunger, and the operation of the device will be readily understood from the foregoing description when taken in connection with the accompanying drawing and the following statement thereof. When the parts of the device have been assembled as shown in Figs. 1 and 2, by raising the plunger e by means of the handle f^2 of the screw f, the shutter b may be swung into any desired position, and in this operation the arm i slides freely through the keeper c^2, and the operation of swinging or moving the shutter may be performed also by the screw f or the handle thereof, and when the handle of said screw is released the plunger e will drop downwardly and will pass through one of the holes or apertures in the arm i and the shutter b may thus be locked in any desired position either closed, fully opened, or at any angle to the window frame.

This device is simple in construction and operation and comparatively inexpensive and may be applied to any kind or class of windows having a hinged or pivoted shutter, and my invention is not limited to the exact details of construction herein shown and described, and various changes therein and modifications thereof may be made without departing from the spirit of my invention as set out in the appended claims.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

A window shutter having a vertically arranged non-rotatable tubular sleeve secured in the bottom thereof, a rotatable keeper mounted on the lower end of said sleeve and the bottom of which is open, an arm adapted

to be pivoted to the bottom portion of the window frame and passing loosely through said keeper, a vertically movable plunger placed in said tubular sleeve and adapted to pass through holes or apertures in said arm, and means for raising said plunger.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this twenty-fifth day of March, 1907.

ARTHUR SAMUEL PIERSON.

Witnesses:

JAMES A. COLLINS,

JOHN M. MILLS.