

(No Model.)

G. F. POTTLE.
LOCK HINGE.

No. 509,047.

Patented Nov. 21, 1893.

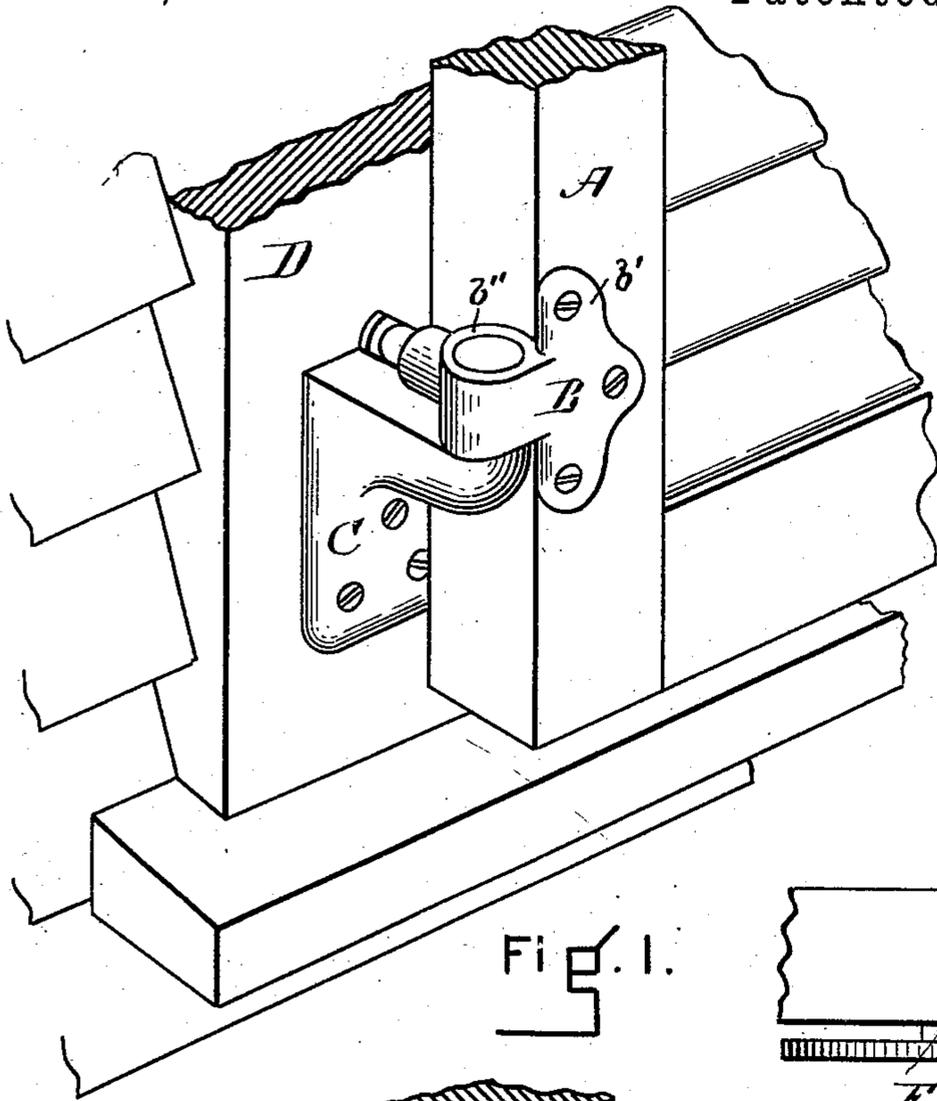


FIG. 1.

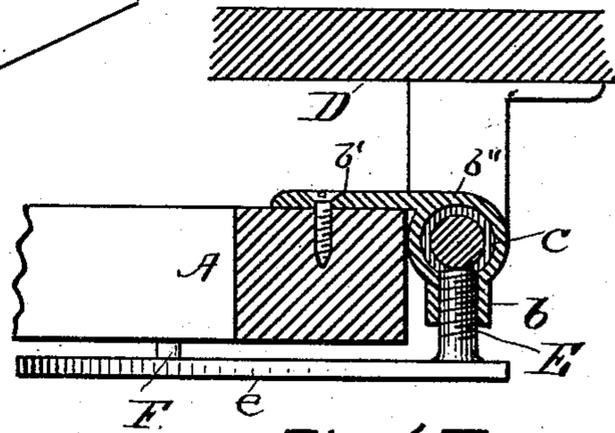


FIG. 3.

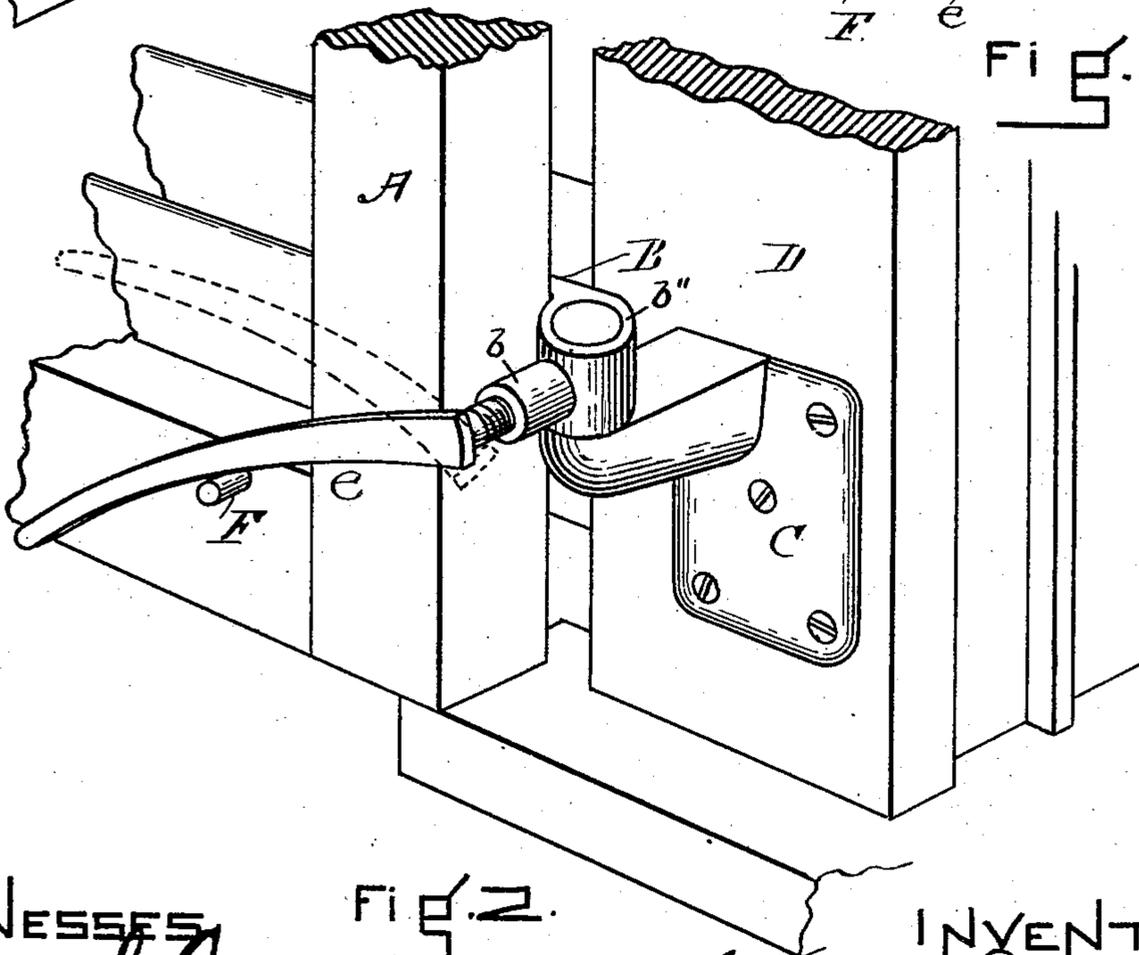


FIG. 2.

WITNESSES
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UNITED STATES PATENT OFFICE.

GEORGE F. POTTLE, OF MEDFORD, MASSACHUSETTS, ASSIGNOR TO JOTT GRANT.

LOCK-HINGE.

SPECIFICATION forming part of Letters Patent No. 509,047, dated November 21, 1893.

Application filed November 25, 1892. Serial No. 453,010. (No model.)

To all whom it may concern:

Be it known that I, GEORGE F. POTTLE, a citizen of the United States, residing at Medford, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Lock-Hinges, of which the following is a specification.

My invention relates to improvements in that class of hinges comprising a strap and pintle, ordinarily used for blinds, screen-doors, and other similar articles.

Its object is to provide an improved device for locking the hinge at various points, so that the door or blind may be held by means of said lock at any desired position.

In the accompanying drawings I have shown an embodiment of my present improvement in the form now best known to me.

Figures 1 and 2 are views in perspective of the device, showing the blind to which it is applied in its closed position.

the blind—that is, it works in front of the inner face of the blind—where it will be easily accessible to a person in the house in all its positions. At the point of bearing of the screw upon the pintle, I preferably cut away the same to form an annular recess therein, as shown at *c*. (See Fig. 3.) This recess should be of such depth that the end of the screw will remain in it when the screw is not binding upon the pintle, and in this manner the end of the screw will serve as a stop to prevent the blind from being accidentally removed from its place while still permitting it to be swung freely. It will be understood that after the blind has been swung to the desired position, the two elements of the hinge may be locked by turning the finger lever and forcing the screw against the pintle.

In practice it is desirable to prevent the

1. In a lock-hinge, the combination of a member carrying a pintle, a strap-member having a strap and an eye, the latter fitting over said pintle, a screw tapped into the eye and adapted to set approximately parallel to the edge of the blind and a finger-lever secured to the screw and extending at an approximately right-angle to the same and adapted to work on the inner side of the blind, substantially as described.

2. The combination of a frame, a pintle-member thereon carrying a vertical pintle annularly grooved, a blind, a strap-member B secured thereto and provided with an eye, fitting over the pintle, a horizontal threaded lug or boss formed on the eye, a screw work-

ing through the threaded boss and having its inner end resting in the annular groove in the pintle, a lever on the screw working in front of the inner face of the blind, and a stop for the lever carried by the blind, said stop preventing the screw being unscrewed sufficiently to permit the blind to be removed, substantially as described.

In testimony whereof I have hereunto subscribed my name this 21st day of November, A. D. 1892.

GEORGE F. POTTLE.

Witnesses:

MOSES S. CASE,
JOTT GRANT.