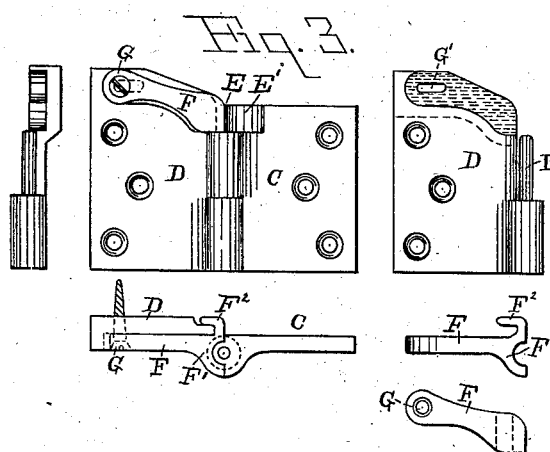
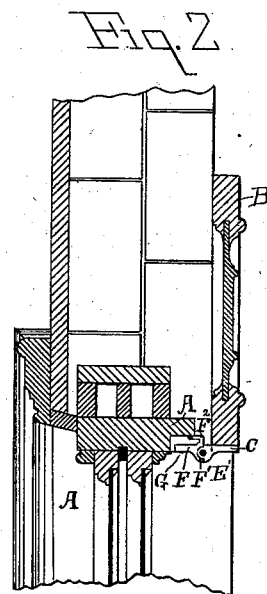
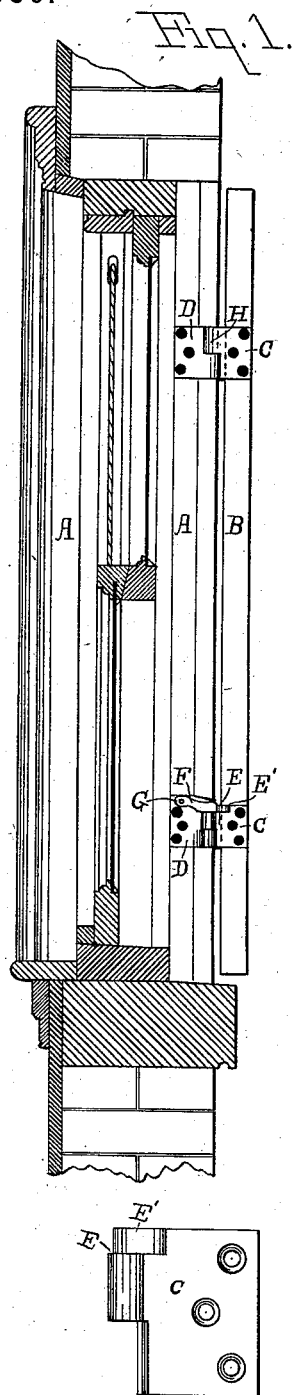


(Model.)

J. P. MAHER.  
LOCK HINGE FOR SHUTTERS.

No. 260,036.

Patented June 27, 1882.



Witnesses:  
Samuel P. Kinsey.  
Frank Kinsey

Inventor:  
John P. Maher  
per Thomas Kinsey  
Att.

# UNITED STATES PATENT OFFICE.

JOHN P. MAHER, OF READING, PENNSYLVANIA, ASSIGNOR OF ONE-HALF  
TO I. ELLIS KURTZ, OF SAME PLACE.

## LOCK-HINGE FOR SHUTTERS.

SPECIFICATION forming part of Letters Patent No. 260,036, dated June 27, 1882.

Application filed March 16, 1882. (Model.)

### *To all whom it may concern:*

Be it known that I, JOHN P. MAHER, of the city of Reading, county of Berks, State of Pennsylvania, have invented a new and useful Improvement in Lock-Hinges for Shutters or Blinds, of which the following is a specification.

This invention relates more particularly to that class of hinges used for outside shutters or blinds, and is designed to give a positive and effective lock to the same as long as the conditions under which it is locked are sustained.

I am aware that a lock-hinge in itself is not new; yet, so far as my own knowledge extends, my improvement is an advance in the art.

Referring to the drawings herewith, forming part of this specification, in which similar parts have corresponding letters of reference, Figure 1 is a front elevation of a portion of a window-frame with a shutter hung thereon. Fig. 2 represents a sectional plan of the same. Fig. 3 represents detail views of the several parts comprising the lock-hinge, in which—

A represents a portion of a window-frame; B, the shutter; C, the shutter-flap of the hinge; D, the jamb-flap of the hinge; E, a shoulder formed at the upper end of the pintle-cap of the shutter-flap as a seat for the dog-head, and reinforced by an abutment, E', upon the inside face of the hinge; F, the dog, having a head, F', fitted to the offset E and abutment E', and a reverse lap, F<sup>2</sup>, catching on the back of the jamb-flap D at the rabbet D<sup>2</sup>, the tail being provided with a countersunk hole, G', for a screw, G, upon which it is pivoted.

H represents the upper hinges, which are of the usual detachable-butt style, the lock being placed upon the lower set of hinges alone, which is sufficient to retain the shutter in an opened position.

The dog F is recessed into the jamb-flap of the hinge, the recess being provided with an oblong slot, G', in the line of thrust of suitable size to pass the fulcrum-screw G through the same.

The hinges are secured to the jamb and shutter, and the latter is then hung upon the former and swung back against the wall. While in this position the dog-head is brought to a bearing against the offset E and the screw G inserted and screwed home, leaving sufficient looseness between its head and the tail

of the dog to cause it to drop automatically into the recess or offset E when the shutter is opened far enough to permit the same. This arrangement saves considerable time to the carpenter and makes a positive stop of the lock.

A large number of the locking-hinges sold by the hardware trade depend for their lock upon the lifting of the shutter vertically in the act of closing the shutter-flap, rising upon an incline of more or less height upon the jamb-flap of the hinge, the arrangement being such that when fully open the shutter-flap had its fulcrum-point fixed and its head dropped over or against the shutter-flap to lock the same. In both forms of hinges, after application, there was no provision for taking up any subsequent looseness which might occur between the shutter and the wall. My improvement provides for this, for if subsequent to the original hanging of the shutter or blind any annoying looseness occurs the screw G is withdrawn, the hole plugged up, and then, placing the head of the dog F in contact with recess E, as before described, the screw is again inserted and the new position of the shutter assured, thus correcting the rattling of the shutter in high winds, so annoying to all.

The pintle of the hinge may be enlarged to give sufficient strength and cast with the flap, or it may be of wire, as usual in butt and many detachable hinges.

Having described the application of my improvement, I desire to secure by Letters Patent the following claim:

In a locking-hinge provided with a dog or pawl, F, abutting against an offset, E', on the pintle-cap of the shutter-leaf, and lying within a recess sunk in the jamb-leaf, the oblong slot G', whereby the contact of the shutter with the wall may be adjusted by the shifting of the fulcrum-screw G, substantially as shown, and for the purpose described.

JOHN P. MAHER.

Witnesses:

F. PIERCE HUMMEL,  
G. B. STEVENS.