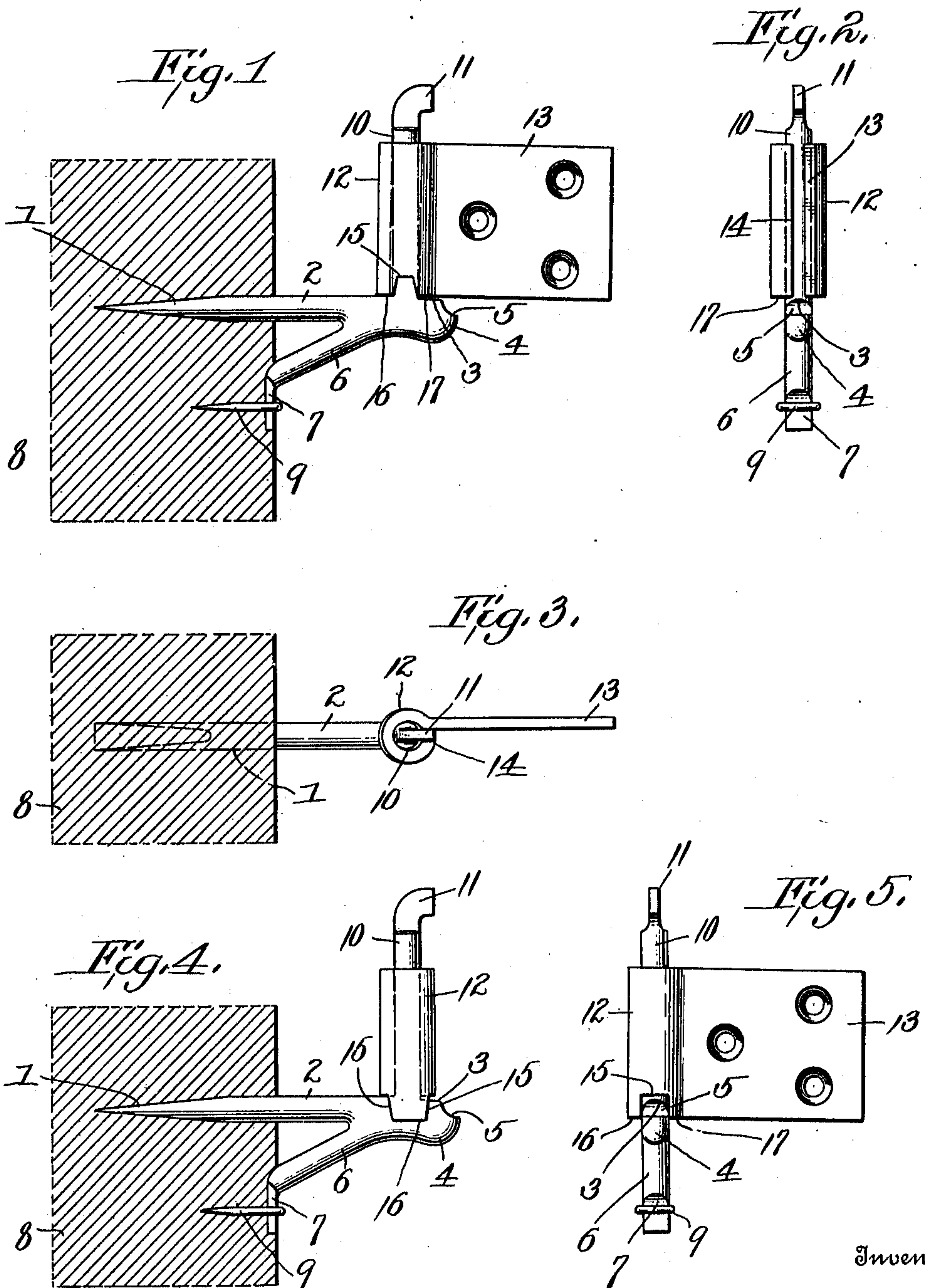


J. A. POIRIER.
BLIND HINGE.
APPLICATION FILED JULY 11, 1910.

970,746.

Patented Sept. 20, 1910.



Witnesses

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UNITED STATES PATENT OFFICE.

JOSEPH A. POIRIER, OF WOONSOCKET, RHODE ISLAND.

BLIND-HINGE.

970,746.

Specification of Letters Patent. Patented Sept. 20, 1910.

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To all whom it may concern:

Be it known that I, JOSEPH A. POIRIER, a subject of the King of Great Britain, residing at Woonsocket, in the county of Providence and State of Rhode Island, have invented new and useful Improvements in Blind-Hinges, of which the following is a specification.

My invention relates to improvements in lock hinges, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of my invention is to provide a durable and inexpensive lock hinge for window blinds, adapted to permit ready removal and positioning of the blinds, and which will act to positively lock the blind in open and closed positions without danger of the hinge becoming locked, or caught, in any intermediate positions of the blind.

A further object of my invention is to provide an improved lock hinge adapted to be securely attached to walls of brick, stone, wood, or other character.

In the accompanying drawings, forming a part of this specification, and in which similar reference symbols represent corresponding parts in the several views: Figure 1 is a side elevation, illustrating one embodiment of my invention, Fig. 2 is a front elevation of the parts shown in Fig. 1. Fig. 3 is a plan of the parts shown in Fig. 1. Fig. 4 is a view similar to Fig. 1, with the socket member locked in its closed position. Fig. 5 is a front elevation of the parts shown in Fig. 4.

Referring to the drawings, I have shown an attaching support comprising a flattened spike 1, provided with an extension to constitute an inner tenon 2 and an outer tenon 3; the upper edge of said outer tenon being positioned slightly below that of the inner tenon. The outer end of the extension is formed to provide a head 4 to provide means for conveniently driving the spike 1 into a supporting wall; the head being recessed at 5 adjacent the outer tenon 3 to prevent distortion of the latter. A brace 6 extends from the support and is provided with a foot 7, adapted to be driven, or embedded, in the supporting wall 8, being preferably secured by a staple 9. A cylindrical spindle 10 extends upward from said

inner and outer tenons, and is formed with a flattened offset upper end 11.

A hinge member comprises a socket 12, adapted to be rotatably mounted on the spindle 10, and a leaf 13 provided with the usual screw holes for attaching it to a window blind. The socket 12 is longitudinally slotted at 14 to receive the flattened spindle end 11, for permitting ready removal and positioning of said hinge member on the spindle 10. The socket is provided with a pair of diametrically opposite notches 15 in its lower edge, for receiving the inner and outer tenons to lock the blind in either its closed or open position.

From the above description it will be clear that, in the operation of my invention, the window blind will be raised sufficiently to release the inner and outer tenons from the notches 15 in the socket 12; the blind being then swung to its desired open or closed position. During such swinging of the blind, the rear lower edge 16 of the socket will ride on the inner tenon 2, while the forward lower edge 17 of the socket will be held thereby out of engagement with the outer tenon 3.

It will be understood that throughout the entire range of swing the rear edge 16 of the socket will rest on the inner tenon 2, and the slotted forward edge 17 of the socket will rotate past the slightly depressed outer tenon 3. By this construction, the socket will be positively held against engagement of the walls of its slot 14 with the outer tenon 3 during all swing of the window blind. This obviates all danger of the blind becoming locked in an intermediate position, or of the slotted socket being destroyed by accidental engagement between the slot 14 and tenon 3.

I have illustrated a preferred and satisfactory construction, but, obviously, changes could be made within the spirit and scope of my invention.

Having described my invention, what I claim and desire to secure by Letters-Patent, is:

In a blind hinge, an attaching support comprising a spindle formed with a flattened off-set end, an inner tenon and outer tenon at the base of said spindle, the upper edge of said outer tenon being positioned be-

low that of the inner tenon, in combination
with a hinge member comprising a slotted
socket rotatably mounted on said spindle
and provided with notches in its lower edge
5 for cooperating with said tenons, substan-
tially as described.

In testimony whereof I have hereunto set

my hand in presence of two subscribing wit-
nesses.

JOSEPH A. POIRIER.

Witnesses:

EDGAR L. SPAULDING,
EVELYN W. SPAULDING.