

A. P. Seymour,

Lock Hinge.

No. 100,332.

Patented Mar. 1. 1870.

Fig. 1

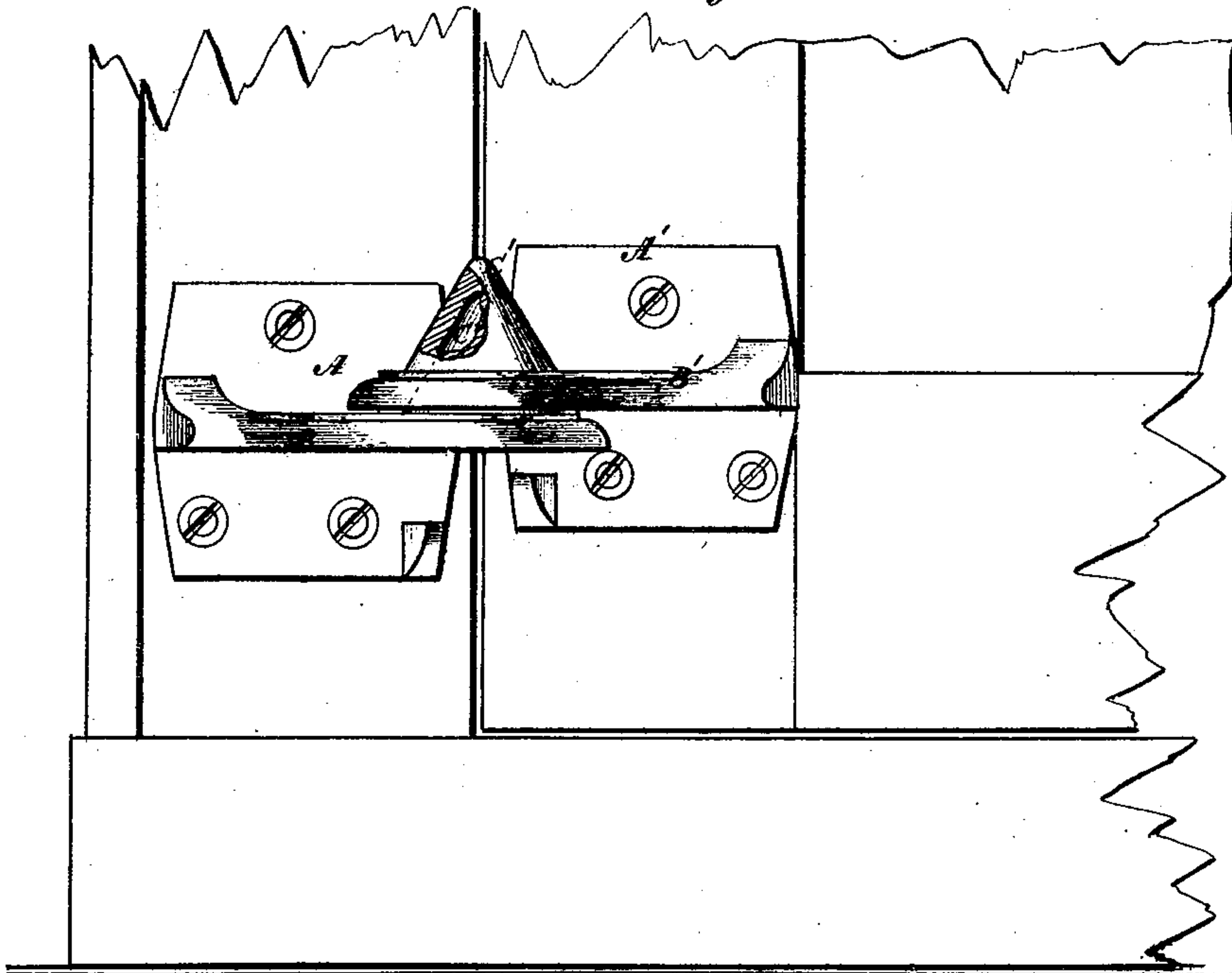


Fig. 2

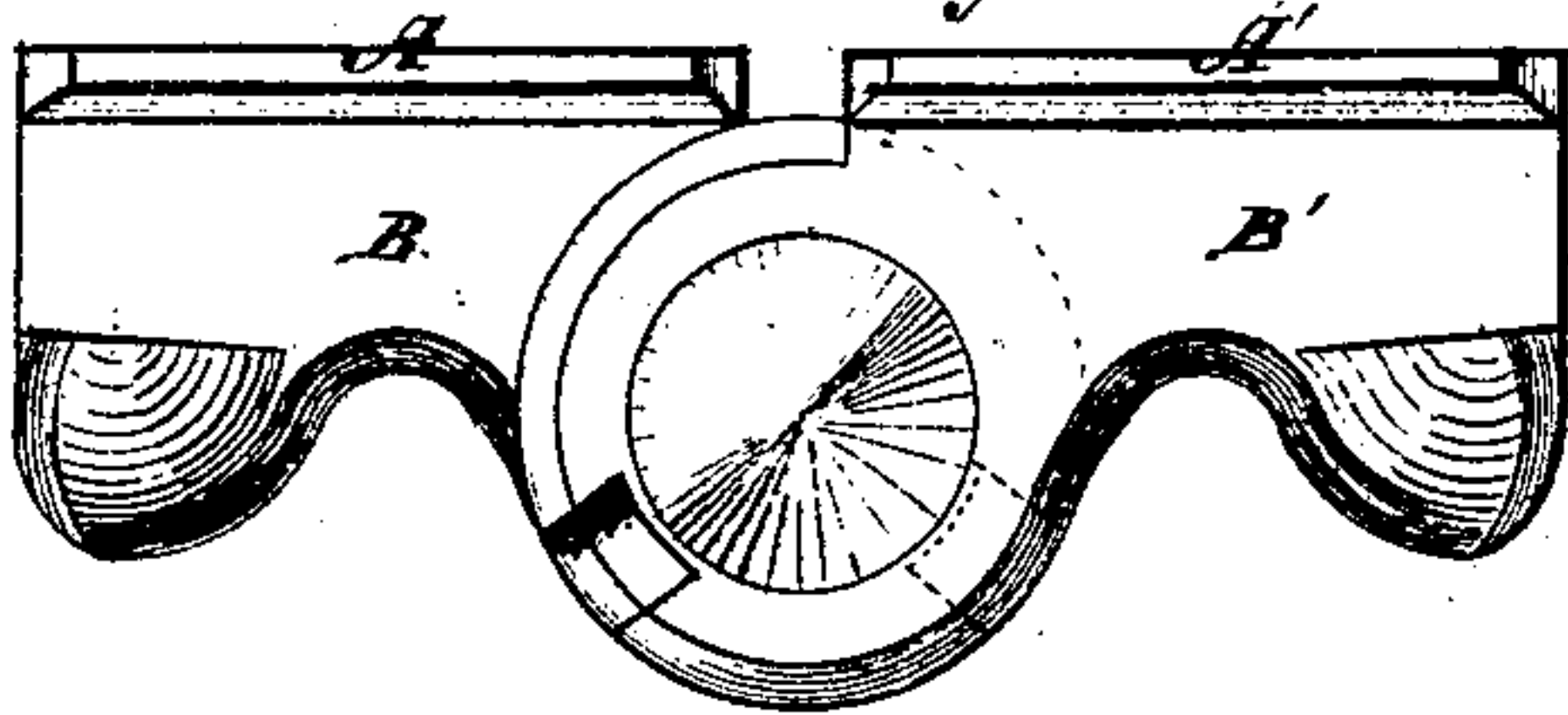
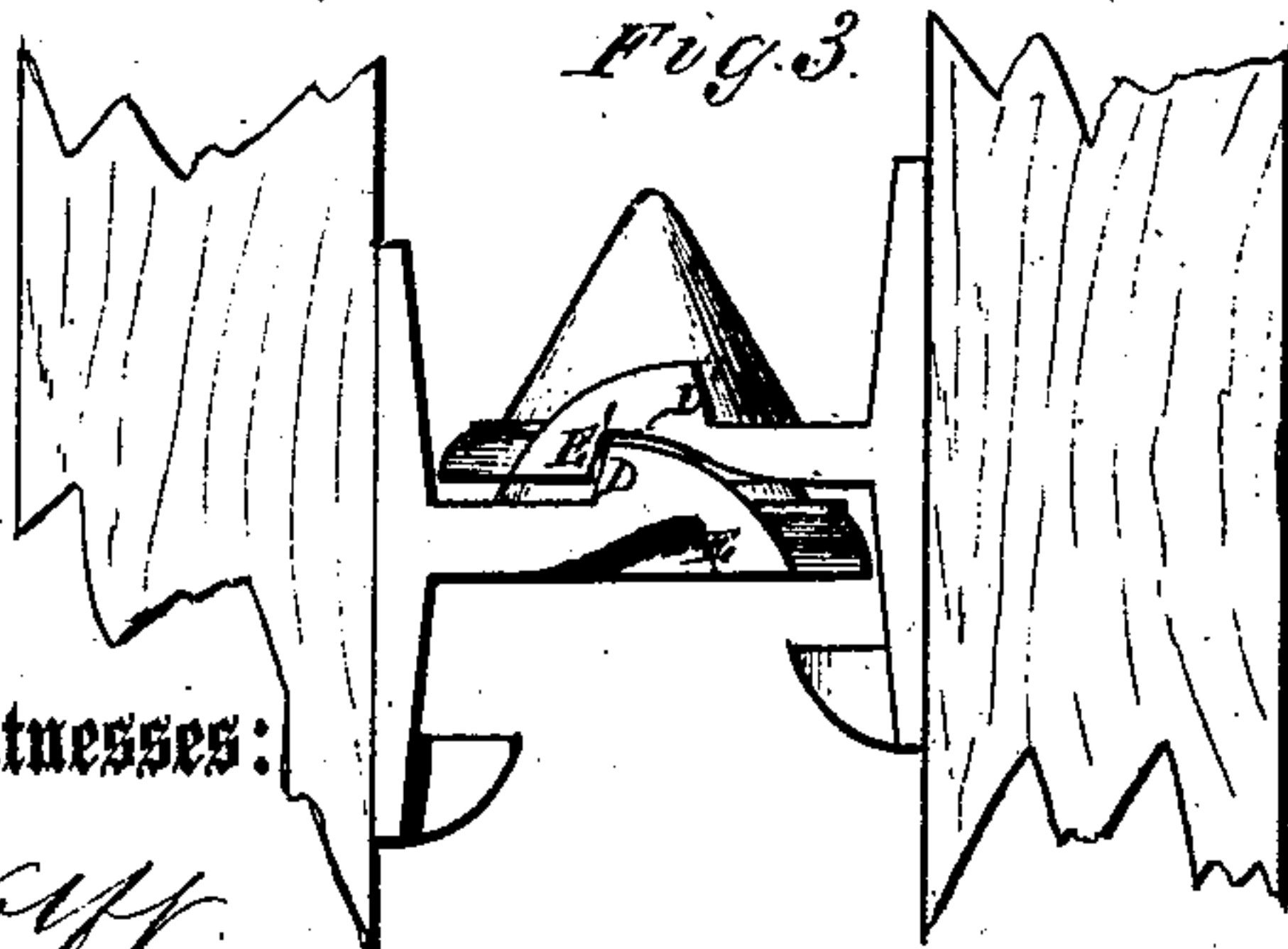


Fig. 3



Witnesses:

E. Wolff
Geo. Brooks

Inventor:

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PER

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United States Patent Office.

ALBERT P. SEYMOUR, OF HECLA WORKS, NEW YORK.

Letters Patent No. 100,332, dated March 1, 1870.

IMPROVED REVERSIBLE HINGE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, ALBERT P. SEYMOUR, of Hecla Works, in the county of Oneida, and State of New York, have invented a new and useful Improvement in But-Hinges; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

This invention relates to improvements in but-hinges, and consists in an improved arrangement of the same, for adaptation for use either as right or left-handed hinges, and for self-locking to hold the door or shutter open when working on either hand.

Also for unlocking, by pressing on the stile of the shutter to which the hinge is connected.

Figure 1 represents a side elevation of a part of a window-blind and window-frame with my improved hinge attached.

Figure 2 is a top view of a pair of butts, and

Figure 3 is a side elevation when in the open position and looking in a direction perpendicular to the view of fig. 1.

Similar letters of reference indicate corresponding parts.

Each leaf or plate A or A' of a pair of butts, is provided with a perpendicular flange, B or B'. The right-hand end of the flange B extends beyond the plate A, and is provided on the upper side with a hollow conical pintle, C, and on the other end is a catch-shoulder, D, on the upper side of the flange, and a notch, E, at the lower side.

The edges of the plates are curved in front of these shoulders and notches from the bottom upward, so that the part on the door or blind rides up the incline of the part attached to the frame.

The other plate A' is provided on the left end of its flange, which is similarly extended, with a correspond-

ing hollow pintle, C', and on the right end with a similar catch-shoulder, D', and notch E'. These pintles fit each other equally well whether one or the other is placed above, the hollow of the one answering as the socket for the other, so that if the blind or door is to swing to the left, the left-hand plate will be placed below and the other on the top, and for the blind or door to swing to the right, the right-hand plate is placed below and the other above.

It will be seen that the notch E or E' of the part of the hinge which swings will always ride up the incline G or G' of the stationary part, and engage the shoulder of the fixed part for locking the door or window open.

The unlocking of the hinges may be accomplished by lateral pressure or force applied to the stile opposite the pintles in any direction, the said force raising the inclined socket of the parts of the hinges attached to the blind up the inclined surfaces of the pintles of the other parts.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The construction of but-hinges with the hollow conical pintles C C' on the right and left sides, respectively, of the pairs of plates, and fitted for operation together for right and left action, and for closing the blinds or doors by pressure in any direction thereon, substantially as specified.

2. The arrangement on each plate of the two notches E E' and two shoulders D D', substantially as specified.

The above specification of my invention signed by me this 11th day of October, 1869.

ALBERT P. SEYMOUR.

Witnesses:

GEO. W. MABEE,
ALEX. F. ROBERTS.