

R. W. PERRY.
BLIND HINGE AND LOCK.
APPLICATION FILED JAN. 7, 1905.

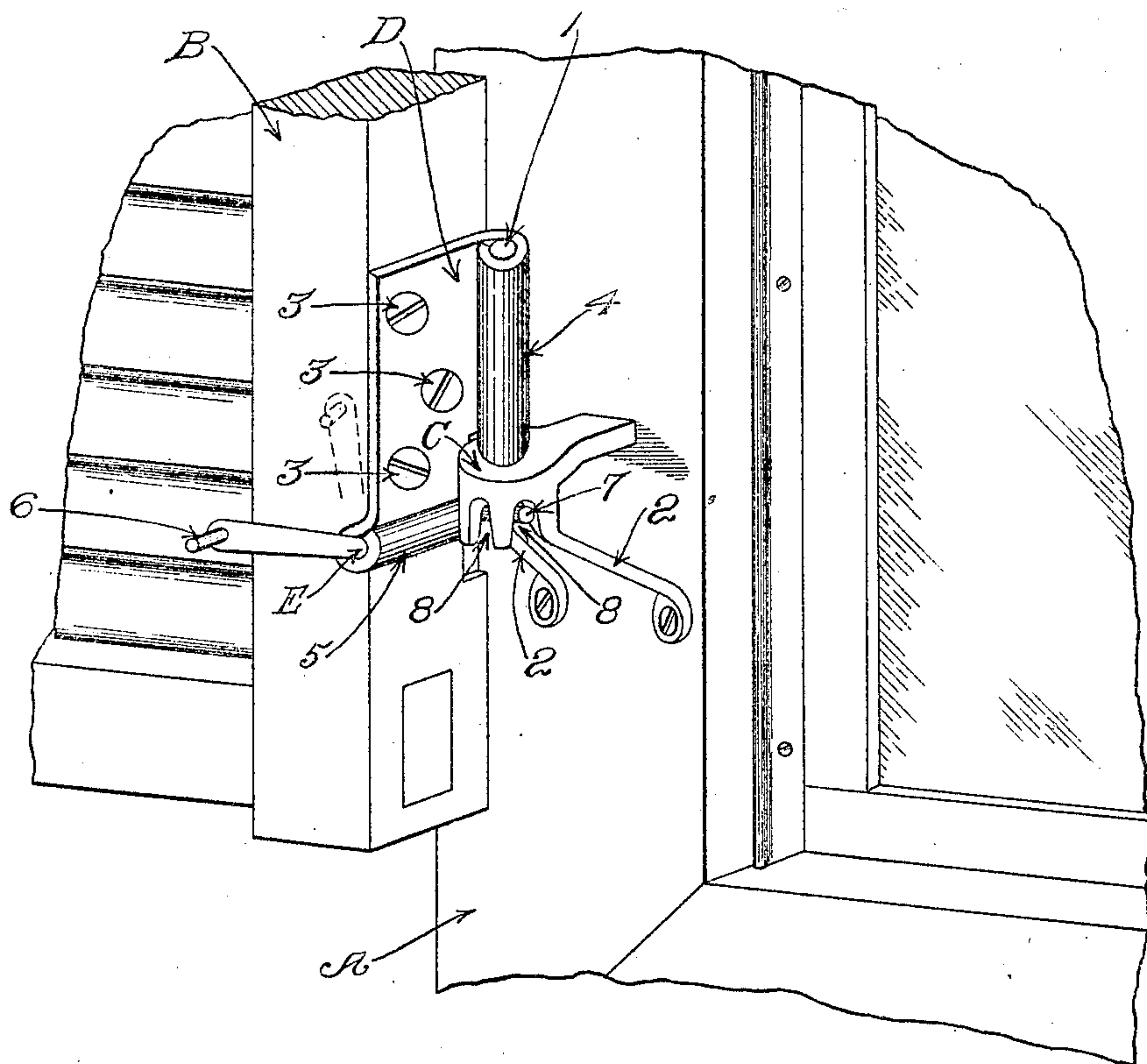


Fig. 1.

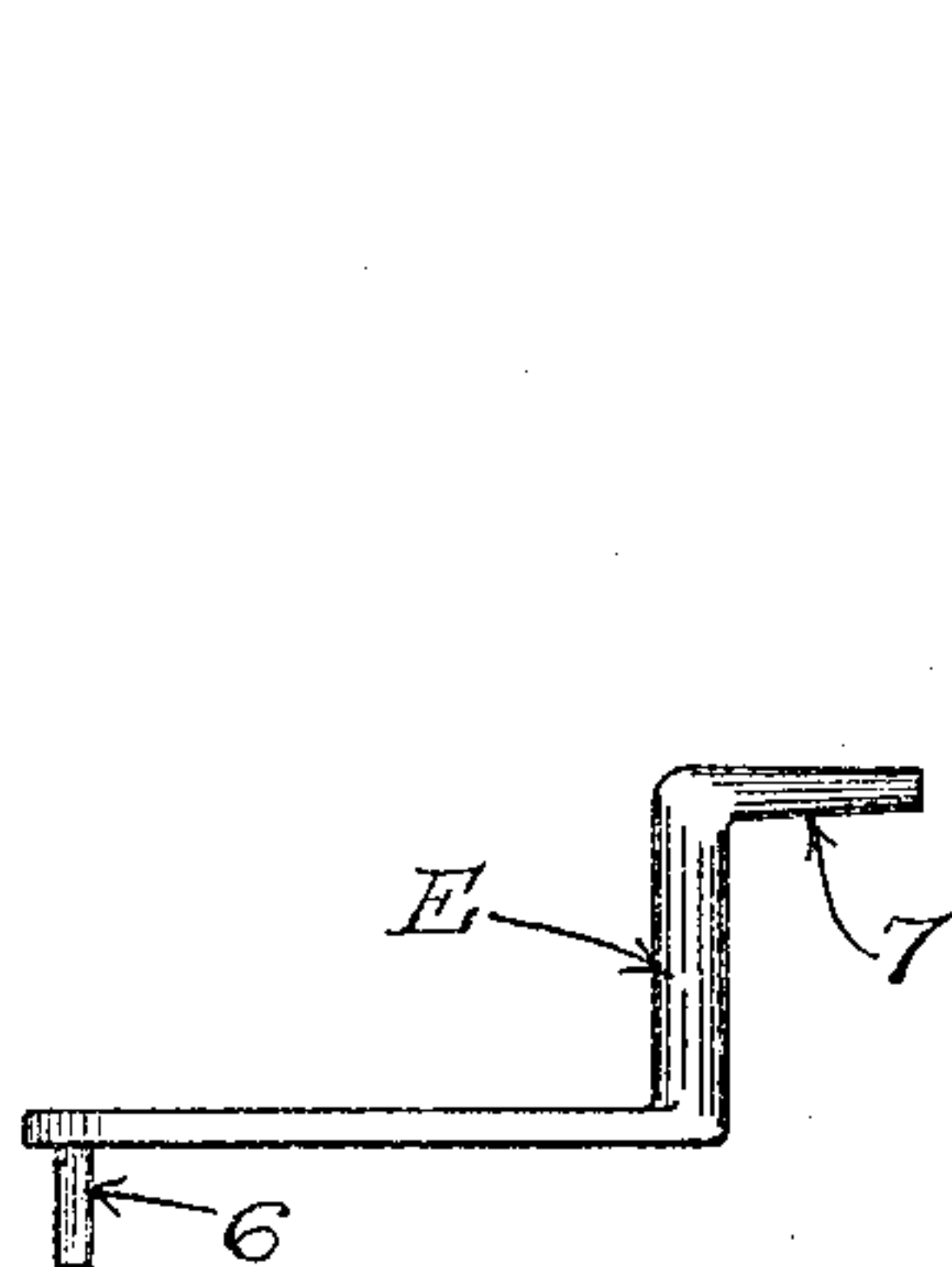


Fig. 3.

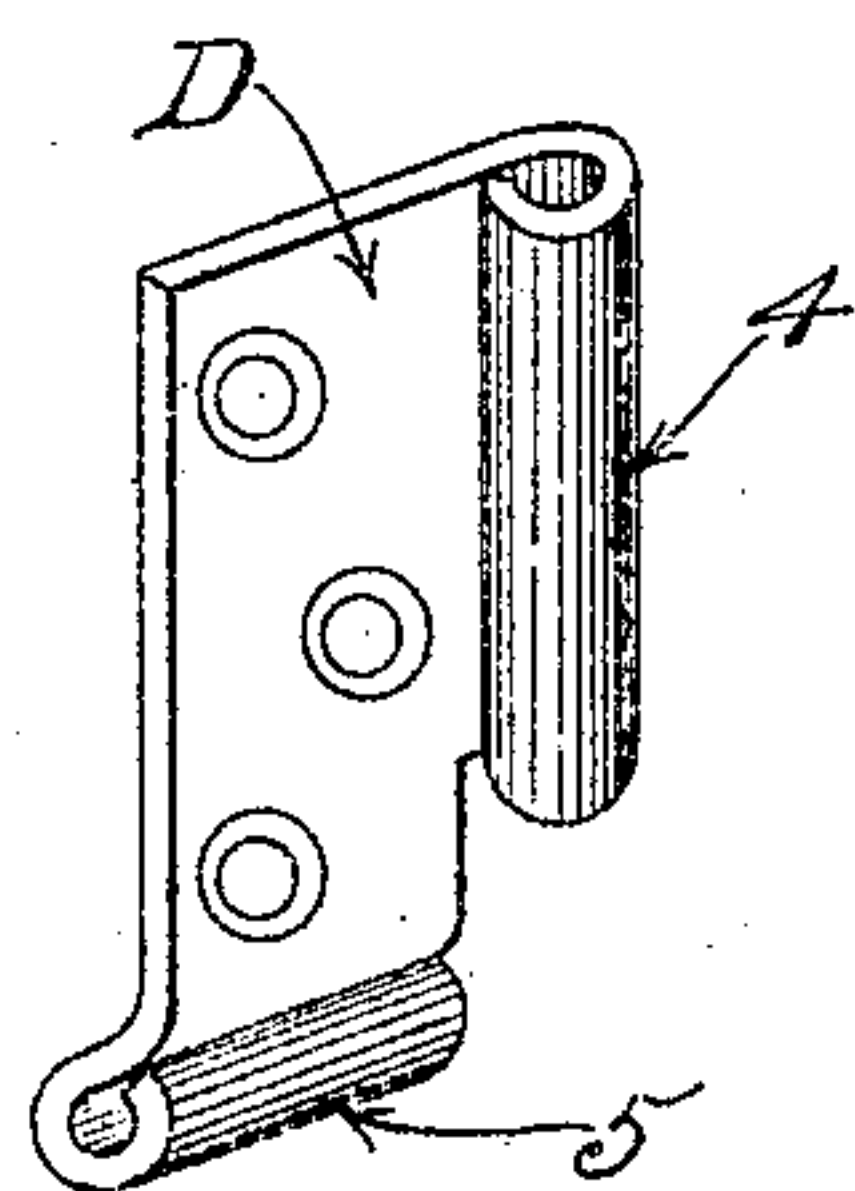


Fig. 2.

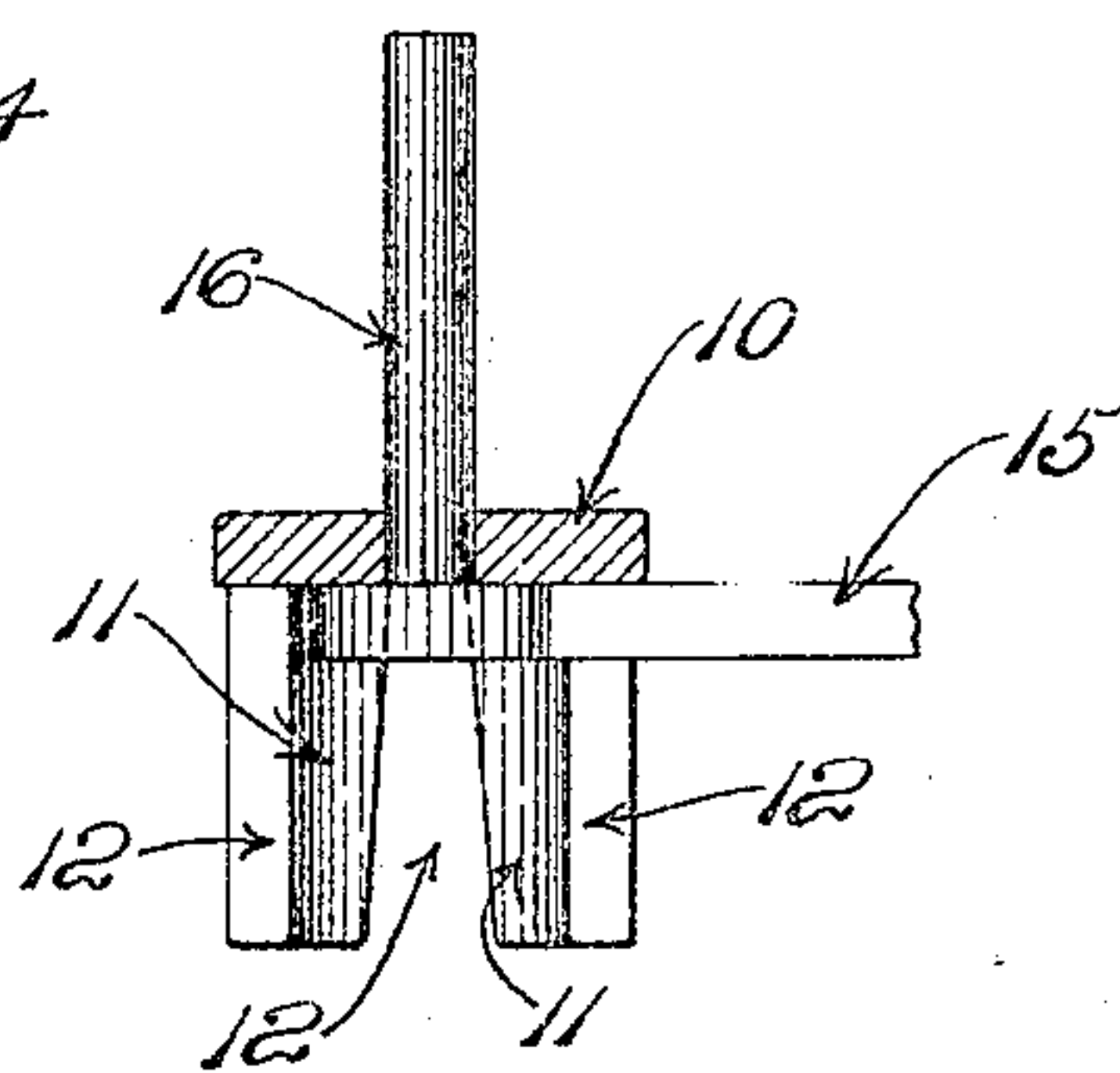


Fig. 4.

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UNITED STATES PATENT OFFICE.

REUBEN W. PERRY, OF LYNN, MASSACHUSETTS, ASSIGNOR OF TWO-THIRDS TO GEORGE H. STEVENS AND BRADFORD A. OAKES, OF MELROSE, MASSACHUSETTS.

BLIND HINGE AND LOCK.

No. 804,765.

Specification of Letters Patent.

Patented Nov. 14, 1905.

Application filed January 7, 1905. Serial No. 239,988.

To all whom it may concern:

Be it known that I, REUBEN W. PERRY, a citizen of the United States, residing at Lynn, county of Essex, State of Massachusetts, have
5 invented a certain new and useful Improvement in Blind Hinges and Locks, of which the following is a specification, reference being had therein to the accompanying drawings.

It is frequently desirable to be able to fasten
10 a shutter or blind so that it cannot be moved from its position or rattled or shaken by the wind. A device for this purpose should be very strong, so that it will be able to withstand
15 considerable rough usage, it should be certain in its operation and easy to operate, because it is sometimes necessary that the shutters or blinds be hurriedly closed, as in case of fire
20 or a suddenly-approaching storm, and it should be cheap, so that it will not add materially to the expense of the shutter hinges or hangers.

My invention does away entirely with the fasteners or catches heretofore in use, thus saving their cost and the labor of putting them up.

25 My invention also does away completely with the trouble and annoyance sometimes experienced from sparrows or other birds roosting on the fasteners or catches.

The invention is adapted for use on the
30 blinds of dwelling-houses and on fire-shutters, which must sometimes be closed hurriedly; but it is obvious that it may also be used in connection with hinges of all kinds—as, for instance, those used on doors and gates.

35 My invention may also be embodied in a modified form which enables me to apply it to the shutter or blind hangers already in use.

The invention will be fully understood from the following description, in which reference
40 is made to the accompanying drawings, and the novel features thereof are pointed out and clearly defined in the claims at the end of this specification.

In the drawings, Figure 1 is a view in per-
45 spective of a portion of a casing and a shutter hung with a lock-hinge embodying my invention. Figs. 2 and 3 are details of the parts. Fig. 4 shows a modified form suitable for ap-
50 plication to an old hinge or hanger.

Referring to the drawings, the casing is indicated by A and the shutter by B. A lower hinge member C is driven into the casing in the proper place and is provided with the usual

pintle 1, upon which the upper or movable hinge member D swings. The lower hinge
55 member is provided with one or more braces 2, which help to carry the weight and keep the hinge member C from sagging or getting out of true. The parts of the hinge member C which have thus far been described may be
60 of any convenient shape and form no part of my invention. On the under side and front of the fixed member C and below the pintle 1 I provide a series of notches 8 of considerable
65 depth and slightly wedge-shaped in form.

The second or movable member D is at-
70 tached to the shutter in the usual way, as by the screws 3, and is provided at the side with a tubular portion 4 for engagement with the pintle 1 of the lower or fixed hinge member C and at the bottom with a second tubular
75 portion 5 at right angles with the tubular portion 4 and offset, as shown in Fig. 2. The top of this tubular portion 5 is on a level with the tops of the notches 8 in the fixed hinge
80 member C. This hinge member D may be made from some suitable sheet metal bent into the desired shape, as shown in the drawings, or, if preferred, may be cast. The shutter is cut away slightly to receive this lower
85 tubular portion 5, as shown in Fig. 1. In this tubular portion 5 I place the bent locking-lever E, which is provided with a handle 6 and a point or finger 7, which engages with one
90 of the notches 8 in the fixed hinge member C. The locking-lever E turns about the portion within the tubular portion of the hinge member D as a pivot, and thus moves the point 7
95 into or out of engagement with the notch 8 in the fixed hinge member C. The handle 6 is made of sufficient weight so that the locking-lever is normally in the position shown in Fig. 1, with its point in engagement with one
100 of the notches in the fixed hinge member C. The notches, as previously stated, are made slightly wedge-shaped, so that the jarring of shutter tends to cause the point of the locking-lever to work farther up into the notch and hold the shutter more firmly, thus preventing all rattling.

When it is desired to move the blind from one position to another, the locking-lever E is lifted by its handle to the position shown in dotted lines in Fig. 1, thus disengaging the
105 finger 7 from whichever notch 8 it is resting in. The blind is then swung to the desired

position and the handle dropped, thus allowing the finger 7 to engage another of the notches 8. In practice I provide only three of these notches—one for the position shown in Fig. 1, where the blind or shutter is thrown wide open, one for the shutter when it is at right angles with the wall, and the third for the blind when it is closed; but it is obvious that other notches may be provided, if found desirable. The handle of the locking-lever is readily accessible from any of the positions of the shutter.

When it is desired to use my invention in connection with the ordinary form of hanger, as shown in Fig. 4, I provide a washer 10, having a hole suitable for the reception of the pintle 16 of the hanger and having depending projections 11, forming notches 12, similar to those described in connection with Fig.

1. One of these notches 12 passes down over the arm 15 of the hanger, and this prevents the rotation of the washer under the pressure of the blind. The point 7 of the locking-lever engages the notches in the same way as heretofore described.

What I claim is—

1. A lock-hinge comprising a fixed hinge member provided with notches upon its under side, a movable hinge member, a rock-shaft pivoted to the said movable hinge member and provided with a finger extending below the said fixed hinged member and engaging one of the said notches therein.

2. A lock-hinge comprising fixed and movable members one of said members being provided with downwardly-projecting serrations and a locking-lever pivoted upon the other of said members and provided with a finger for engagement with the said downwardly-projecting serrations, said lever being pivoted so that the finger for engagement with the serration is overbalanced by the weight of the other arm of said lever.

In testimony whereof I affix my signature in presence of two witnesses.

REUBEN W. PERRY.

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