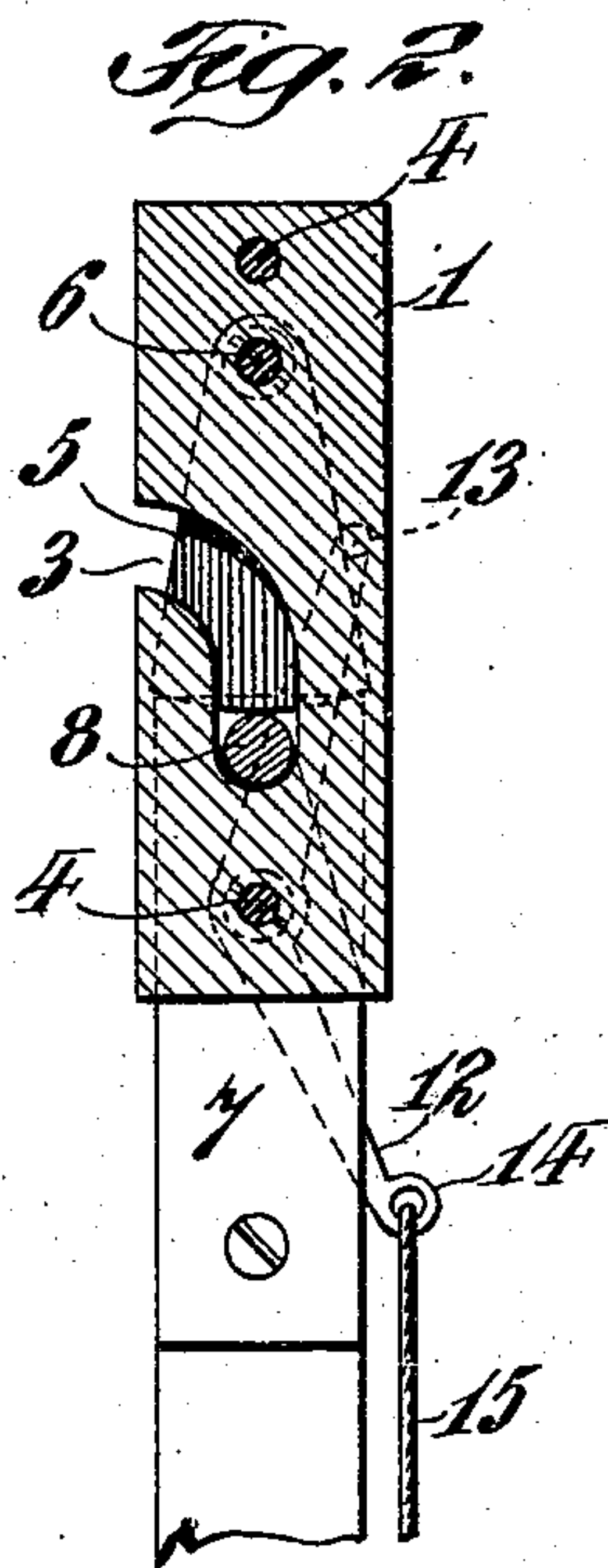
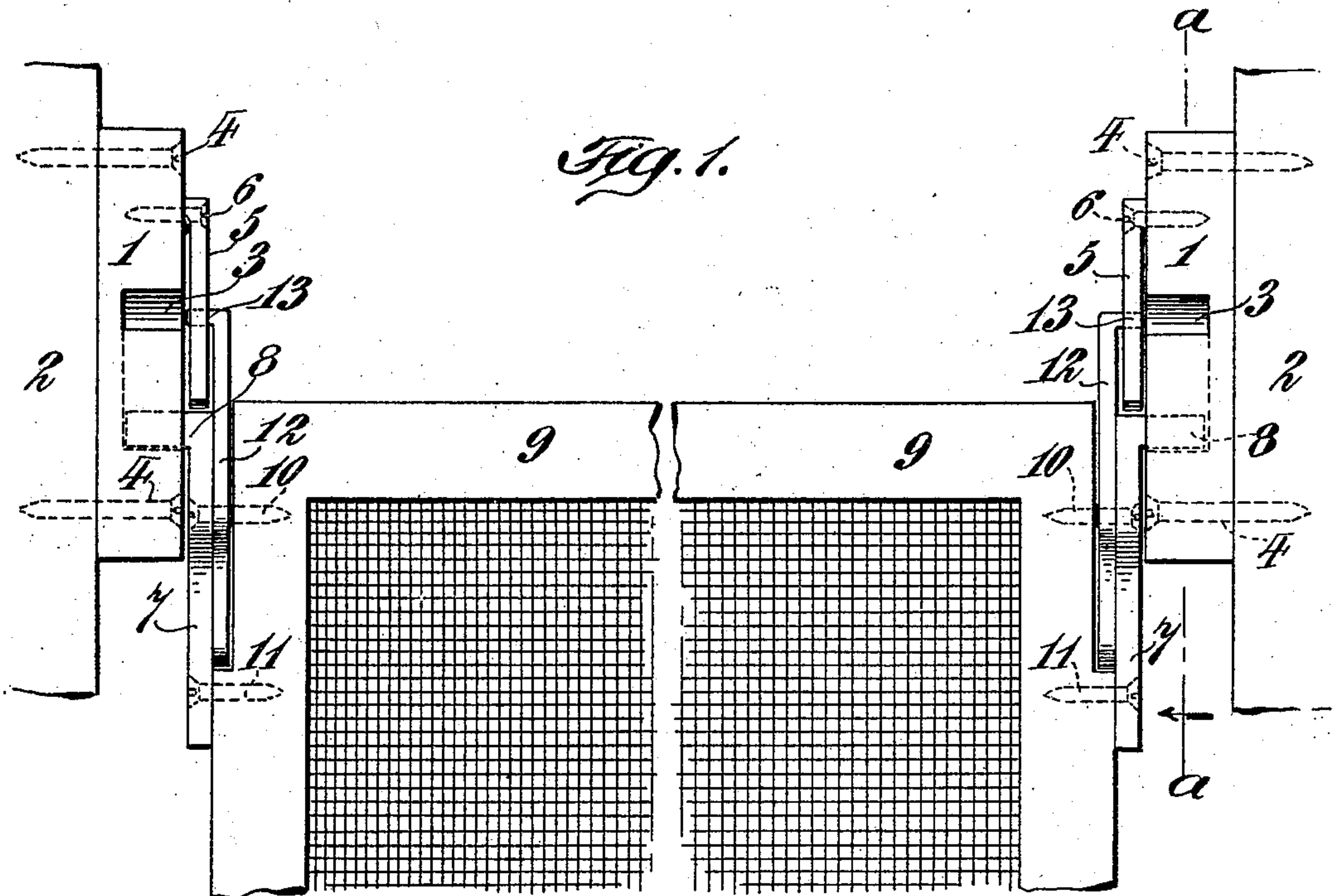


LOOK HINGE.

929,304.

Patented July 27, 1909.



WITNESSES
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THEODORE L. A. HELLWIG, OF BROOKLYN, NEW YORK.

LOCK-HINGE.

No. 929,304.

Specification of Letters Patent.

Patented July 27, 1909.

Application filed March 16, 1909. Serial No. 483,758.

To all whom it may concern:

Be it known that I, THEODORE L. A. HELLWIG, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Lock-Hinges, of which the following is a specification, reference being had therein to the accompanying drawing.

My invention relates especially to means and mechanism for hanging window screens, and the like, outside of the sash, and has for its object the provision of a simple and effective pivot lock hinge whereby a screen may be movably and removably supported.

To attain the desired end, my invention consists in certain novel and useful combinations or arrangements of parts, and peculiarities of construction and operation, all of which will be hereinafter first fully described, and then pointed out in the claims.

In the drawings, Figure 1 is an outside view of a window screen provided with suspending devices embodying my invention. Fig. 2 is a vertical, sectional view at line *a-a* of Fig. 1.

Similar numerals of reference, wherever they occur, indicate corresponding parts in both figures.

1 is a plate which may be secured to or inserted within an outside window stop 2, as preferred.

3 is a curved slot in the plate 1.

4 are the securing screws.

5 is a swinging plate or member loosely mounted on a pivot 6 carried by the plate 1.

7 is a plate provided with a pivot 8 adapted to enter a slot 3 and find a seat at the bottom thereof. This plate 7 is secured to a screen 9 by screws 10 and 11. On the screw 10 is mounted a movable lever 12, the upper arm whereof bears a finger 13 arranged to come in contact with the swinging plate 5, and the lower arm may be provided with an eye 14 for the reception of a manipulating cord 15.

When constructed and arranged in accordance with the foregoing description, the operation of my device is as follows: The

plates 1 being secured in place, on any appropriate part of the window frame, and the plates 7 secured to the screen, the screen is put out of the window and the pivots 8 passed into the slots 3, pushing back the plates 5, permitting the pivots to drop to their seats at the bottoms of the slots, when gravity swings the plates 5 back to their initial positions securing the pivots 8 against disengagement with the slotted plates, while permitting the screen to swing outward and away from the sash when it is desired to clean the glass, etc. When the screen is to be removed, the plates or members 5 are pushed out of the way by means of the levers 12, disengaging the pivots 8 so the screen may be readily lifted out.

My device may be applied to screens covering the entire window, or only one sash, as desired.

Having now fully described my invention, what I claim as new therein and desire to secure by Letters Patent, is:

1. A pivot lock hinge for window screens, and the like, in which is comprised a slotted plate adapted to be secured to a window frame, said plate bearing a swinging member mounted above the slot, in combination with a pivot plate adapted to be secured to a screen, and independent means for moving the swinging member, substantially as shown and described.

2. A pivot lock hinge for window screens in which is comprised a slotted plate adapted to be secured to a window frame, said plate bearing an automatically swinging member pivoted above the slot, in combination with a pivot carried by a plate adapted to be secured to a screen, said pivot engaging in the slot in the first mentioned plate and being removably held therein by the swinging member, substantially as shown and described.

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

THEOD. L. A. HELLWIG.

Witnesses:

LOUIS F. BRAUN,
A. M. PIERCE.