No. 821,861. PATENTED MAY 29, 1906.

W. B. CROFT.

LOCK HINGE.

APPLICATION FILED JULY 25, 1904.

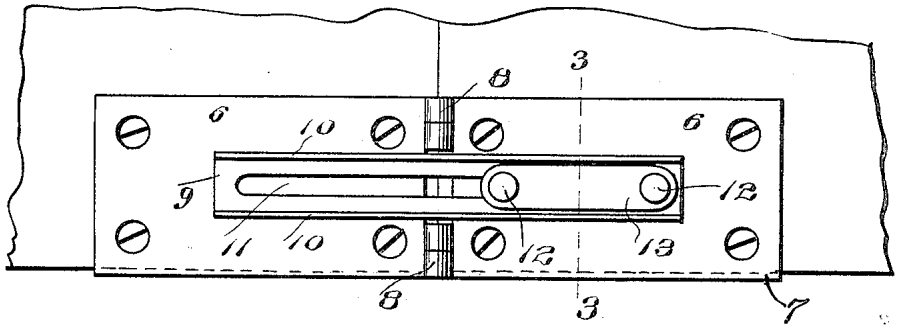

Fig. 1.

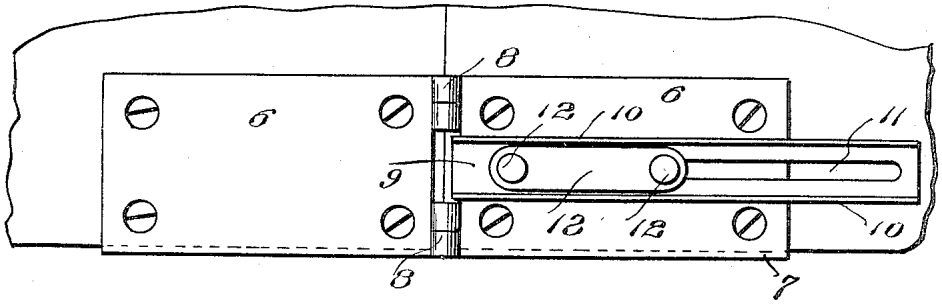

Fig. 2.

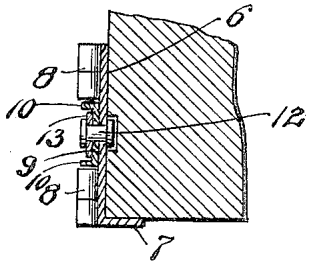

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLARD B. CROFT, OF MEDINA, OHIO.

LOCK-HINGE.

No. 821,861. Specification of Letters Patent. Patented May 29, 1906.

Application filed July 25, 1904. Serial No. 218,037.

To all whom it may concern:

Be it known that I, WILLARD B. CROFT, a citizen of the United States, residing at Medina, in the county of Medina and State of Ohio, have invented new and useful Improvements in Lock-Hinges, of which the following is a specification.

This invention is an improved lock-hinge, and comprises a hinge provided with a sliding bolt which is movable to extend across the joint between the leaves of the hinge to lock the hinge open.

The object of the invention is to produce an improved device of the kind particularly suitable for use on shutters, on window-screens, boxes, trunks, and any other case where it is desirable to fasten a hinge open.

In the accompanying drawings, Figures 1 and 2 are front elevations of the device with the sliding member or bolt in locked and unlocked positions. Fig. 3 is a section on the line 3 3 of Fig. 1.

Referring specifically to the drawings, the hinge-leaves are indicated at 6 and have at one edge thereof a flange 7. The flanges may be omitted, if desired; but with the flanges the hinges are particularly serviceable in connection with window-screens and shutters, in which use the flanges will fit under the rail.

The hinges have two pairs of knuckles, (indicated at 8,) the pairs being spaced apart a sufficient distance to allow the bolt or member 9 to slide therebetween across the joint between the leaves.

In the embodiment shown the bolt 9 is a piece of channeled metal having along each edge upwardly-projecting flanges, as shown at 10, for the sake of strength and so that the bolt may be readily grasped to be moved. At 11 is a slot extending lengthwise through the piece, and studs or rivets 12 extend through the slot and confine a keeper 13, the edges of which overhang the edges of the slot in the bolt 9 adjacent the slot, whereby the bolt 9 is held in place. As before stated, the bolt 9 is slidable lengthwise to the extent permitted by the slot over the joint between the hinged leaves. When the hinge is open and the bolt slid over the joint, the hinge is locked in open position. To close the hinge, it is necessary to slide the bolt back until its end clears the joint at the knuckles. When it does this, the leaves may be turned and the hinge closed.

The simplicity of the device is obvious, and it is capable of a wide range of application, a particular use being in connection with folding window-screens, in which when the screen is placed in position it is necessary or desirable to provide some means for preventing the screen from buckling or folding. When applied to boxes, trunks, or the like, it will be found serviceable in holding the lid open when desired.

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

1. A hinge the leaves of which have laterally-extending flanges at the lower or side edges thereof, adapted to fit under and support the parts to which the hinge is attached, substantially as described.

2. In a lock-hinge, the combination of the pivotally-connected leaves thereof having laterally-extended supporting-flanges at the lower edges thereof adapted to fit under and support the parts to which the hinge is attached, with means mounted on one of said leaves for locking the hinge and the movable parts to which it is attached in an open position.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLARD B. CROFT.

Witnesses:

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