

(No Model.)

J. MARTHALER.
HINGE.

No. 473,194.

Patented Apr. 19, 1892.

Fig. 1.

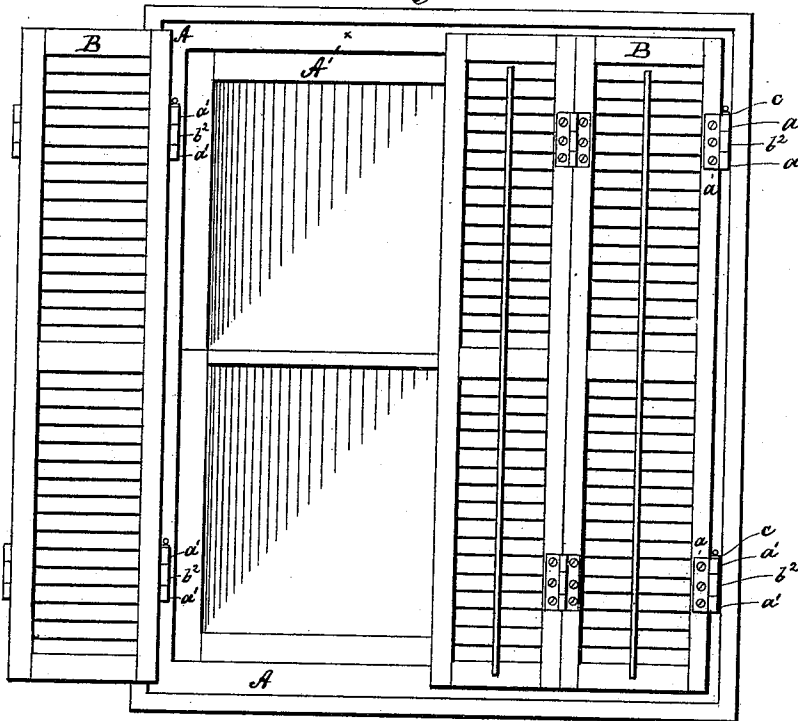


Fig. 2.

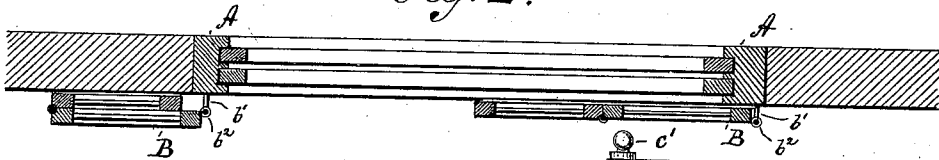


Fig. 3.

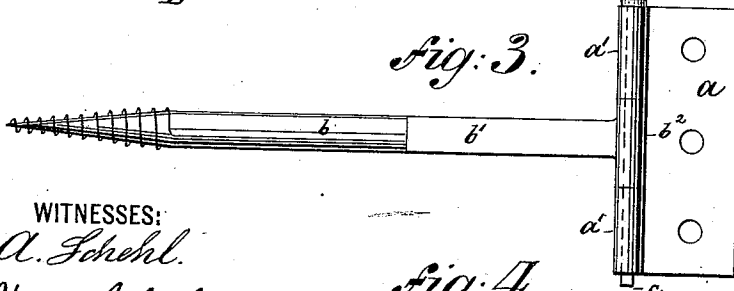
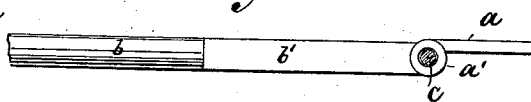


Fig. 4.



WITNESSES:

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HINGE.

SPECIFICATION forming part of Letters Patent No. 473,194, dated April 19, 1892.

Application filed October 30, 1891. Serial No. 410,320. (No model.)

To all whom it may concern:

Be it known that I, JOHN MARTHALER, of Jersey City, Hudson county, New Jersey, have invented an Improved Hinge, of which the following is a specification.

This invention relates to a hinge of improved construction and designed more particularly for attaching folding inside blinds to the window-frame, though the hinge may also be used for other purposes. The hinge may be readily attached, is adjustable to different thicknesses of blinds, and permits the blinds when doubled up to be folded flat against the window-casing.

The invention consists in the various features of improvement more fully pointed out in the claim.

In the accompanying drawings, Figure 1 is an elevation of a window provided with my improved hinge; Fig. 2, a cross-section thereof; Fig. 3, an elevation of the hinge detached; and Fig. 4, a longitudinal section, partly in side view, thereof. Figs. 1 and 2 are drawn on a smaller scale than the remaining figures.

The letter *a* represents the strap of a hinge provided with the knuckles *a'*. In lieu of the customary second strap I employ a screw-stem *b*, which is adapted to be screwed into the wood with its tapering and threaded point. The lower section of the stem *b* is rounded to constitute a screw; but the upper section *b'* is flattened, so that it may be grasped by a tool when the screw is driven home. This upper or flattened section *b'* terminates in the knuckle *b²*, placed centrally between the knuckles *a'*. The knuckle *b²* is

formed from the flattened part or section *b'* of the screw-stem. This is accomplished by rolling the end of such section into a tubular form.

c is the pin passing through the knuckles *a' b²* and attaching the strap to the screw-stem. This pin is headed on top, as at *c'*, and is removable, so that the parts may be readily detached.

In use the screw-stem is first driven into the window-frame *A* to such a depth that its outwardly-projecting or upper end is as long as the blind is thick. The strap *a* is screwed to the blind *B*, and the parts are then connected by inserting the pin into the knuckles. It will be seen that the hinge is thus readily adjustable to different thicknesses of blinds and that it may be quickly secured to the window. Moreover, the blinds when opened and doubled upon themselves will properly lie flat against the window-casing, as indicated on the left-hand side of Fig. 2.

What I claim is—

In a hinge of the character described, the means for adjustably securing the fixed member thereof to a wall or casing, consisting of a stem rigidly attached to the knuckle thereof and having adjacent thereto a thin flattened section *b'* and an enlarged cylindrical section *b*, terminating in a tapering screw-threaded section, substantially as described.

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Witnesses:

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