

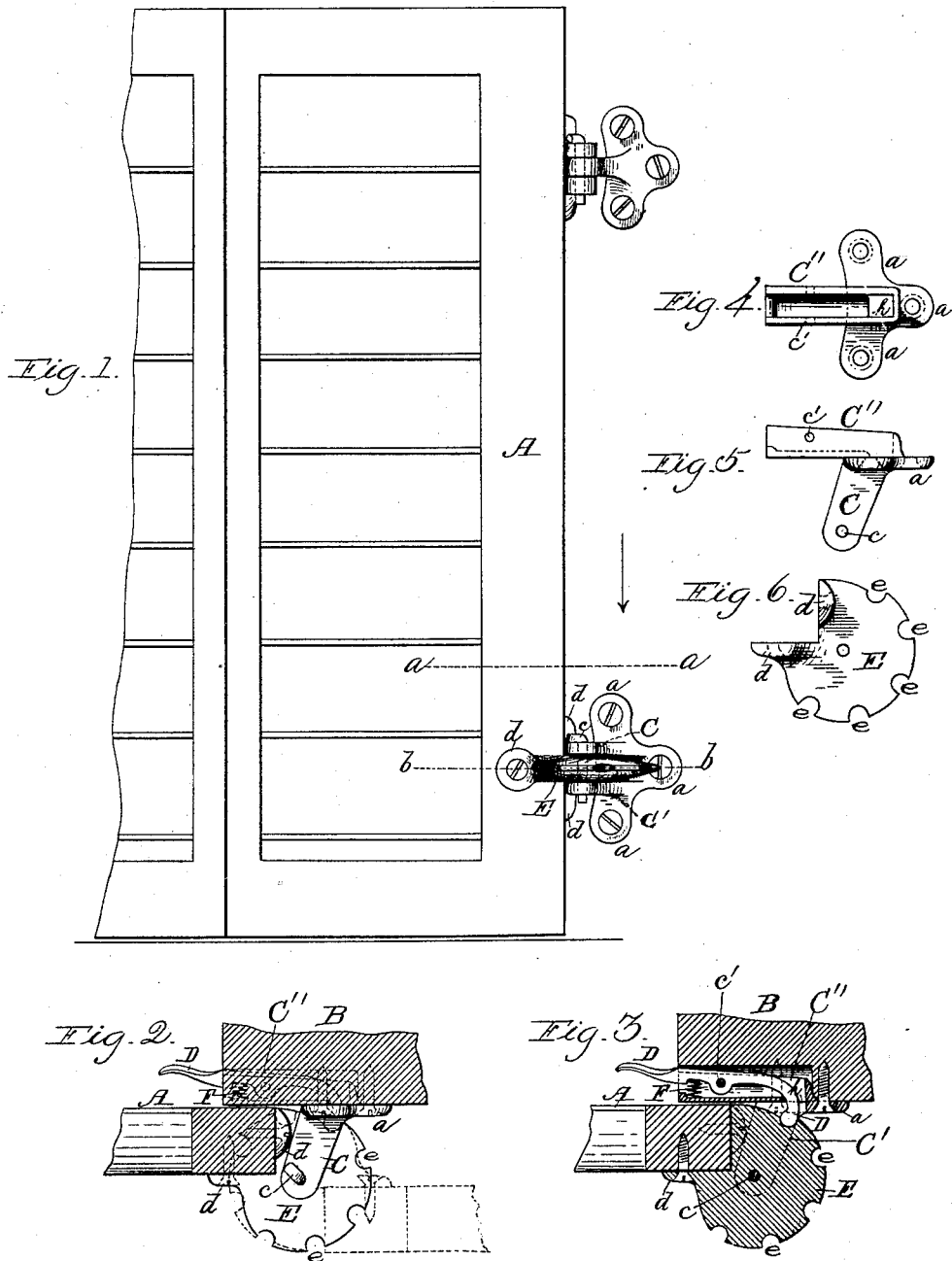
(No Model.)

J. C. HOWE.

LOCK HINGE.

No. 346,046.

Patented July 20, 1886.



Witnesses;

Jonas Souther
Mirick de London

In Sentor;

John C. Howe.

UNITED STATES PATENT OFFICE.

JOHN C. HOWE, OF WORCESTER, MASSACHUSETTS, ASSIGNOR TO JONATHAN LUTHER, OF SAME PLACE.

LOCK-HINGE.

SPECIFICATION forming part of Letters Patent No. 346,046, dated July 20, 1886.

Application filed February 17, 1886. Serial No. 192,174. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. HOWE, a citizen of the United States, residing in the city and county of Worcester, in the Commonwealth of Massachusetts, have invented a new and useful Improvement in Lock-Hinges, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof, and to the letters of reference marked thereon.

My invention relates to the class of blind-hinges which serve the double purpose of a hinge and lock either when the blind is closed or open.

Referring to the drawings, Figure 1 represents my lock-hinge attached to the blind as seen on the outside when the blind is closed. Fig. 2 represents a section of the blind and window-frame on line *a a* looking down, showing the upper side of the arm-piece as attached to the window-frame. The dotted lines indicate the case, hook, and spring set in the face of the frame. It also shows the sector part of the hinge provided with notches fastened to the blind and hinged to the arm-piece. Fig. 3 represents a section of the same on line *b b* through the slot in the arm, showing by the dotted lines the under portion of the arm, also showing the adjustment of the parts to the window frame and blind. Fig. 4 represents the inside of the case part of the arm and the ears of the arm. Fig. 5 represents the upper side of the arm and case and the edge of the ears. Fig. 6 represents the circular piece of the hinge formed so as to fasten to the side and edge of the blind, provided with notches in the outer rim.

Similar letters refer to similar parts throughout the several views.

A represents the window-blind, and B the window-frame, to which my lock-hinge is attached.

C and C' denote the arms, and C'' the case

in which the hook D, provided with the spring F, is incased, and pivoted at *c'*, which constitutes that part of my hinge designed to be fastened to the window-frame by means of the ears *a*. The case part C'' is set into the face of the frame, the handle of the hook projected out so as to be reached easily when the window is raised to open or close the blind. The other end of the hook projects through an opening, *h*, in the end of the case, and also through the rear part of the slot between the arms C and C', as shown in Figs. 2 and 3, so as to engage in the notches *e* in the rim of the sector part E, which part is hinged in the end of the arms C and C' at *c*, and fastened to the blind with screws in the ears *d*, as shown in Figs. 2 and 3. This sector-piece constitutes that part of the hinge which is fastened to the edge and side of the blind.

Having thus fully described and shown my invention, what I claim, and desire to secure by Letters Patent, is—

A window-blind lock-hinge consisting of the case C'', having an opening, *h*, and attaching-ears *a a*, said case being adapted to be countersunk in and secured to a window-frame, the parallel arms C C', projecting from the front of said case at the junction of the attaching-ears, the notched sector E, pivoted between said arms and provided with ears *d d* for attachment to the blind, the hook D, pivoted in the case C'', with its hooked end projecting through the opening *h* and engaging the notched rim of the sector, and the spring F, located in said case between it and the handle of said hook, substantially as described.

Signed and executed this the 15th day of February, 1886.

JOHN C. HOWE.

In presence of—

JONA. LUTHER,

MIRICK H. COWDEN.