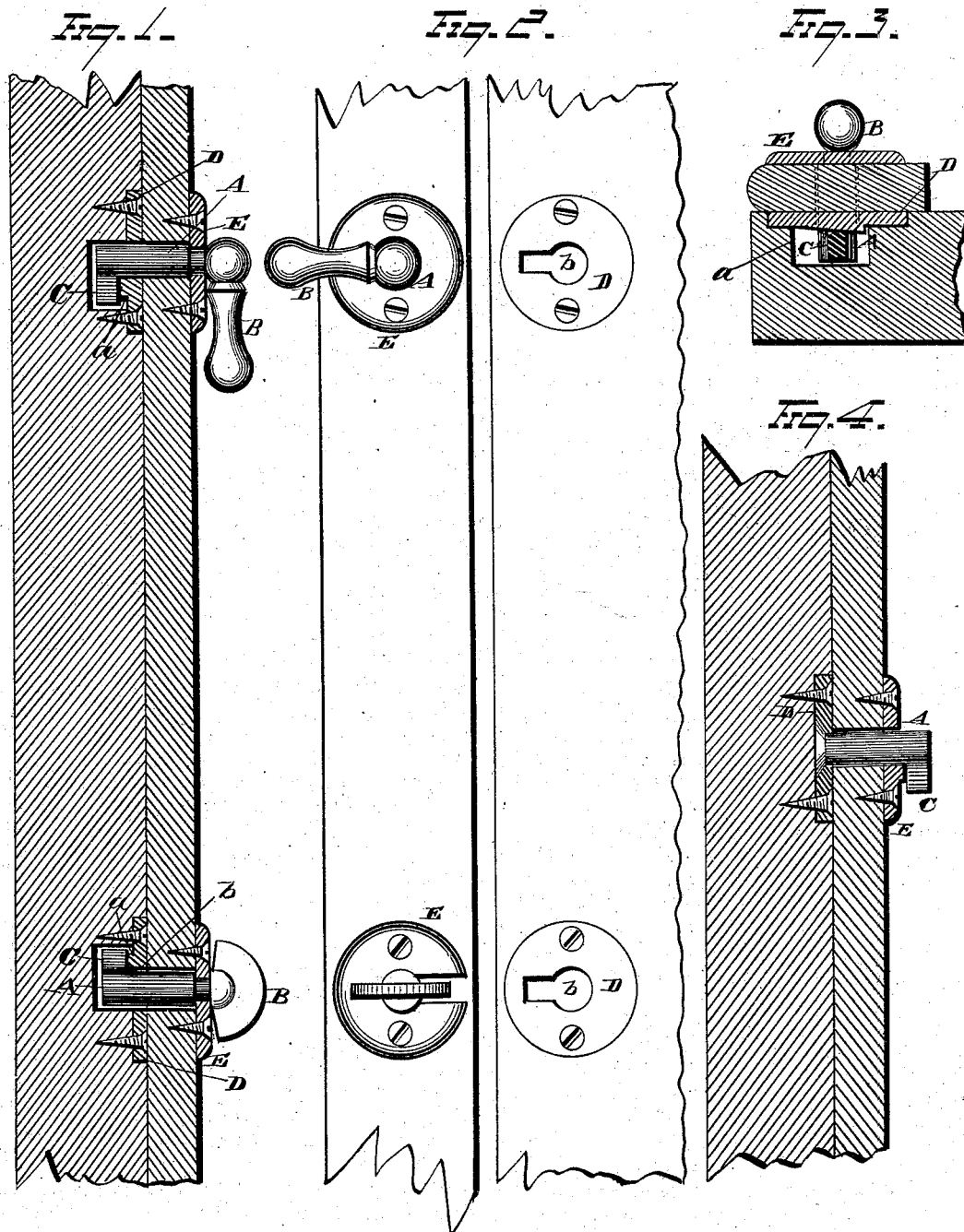


C. F. HANCKEL.  
Window-Bead Fastener.

No. 217,281.

Patented July 8, 1879.



WITNESSES  
E. J. Nottingham  
A. M. Bright

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# UNITED STATES PATENT OFFICE.

CHARLES F. HANCKEL, OF CHARLESTON, SOUTH CAROLINA.

## IMPROVEMENT IN WINDOW-BEAD FASTENERS.

Specification forming part of Letters Patent No. **217,281**, dated July 8, 1879; application filed May 5, 1879.

*To all whom it may concern:*

Be it known that I, CHARLES F. HANCKEL, of Charleston, in the county of Charleston and State of South Carolina, have invented certain new and useful Improvements in Window-Bead Fasteners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

My invention relates to window-bead fasteners, and is designed to provide improved means for readily connecting or disconnecting the bead with the window-casing without injury thereto or marring of the paint, and also to permit of the adjustment of the bead relative to its casing, so as to compensate for shrinkage or swelling, as the case may be.

The invention consists in the combination, with plates secured, respectively, to the window-casing and to the window-bead, of a rotary bolt adapted to work in openings formed in both said plates and in the bead, said bolt having cam-engagement with one of said plates and shoulder-bearing against the other plate.

Referring to the drawings, Figure 1 is a view, in section, of a window-casing illustrating the invention, and showing two forms of fasteners. Fig. 2 shows the bead and casing when the two are disconnected. Fig. 3 represents the two fasteners, each in transverse sectional view. Fig. 4 is a modification view.

The rotary bolt A may be provided with any suitable handle, B, the two forms shown being merely by way of illustration.

The inner end of the bolt is formed with a lug or lateral projection, C, which may be of any desired character, provided only it is adapted to be engaged with the plate D as the bolt is rotated. This latter plate is secured to the window-casing, and may be of any suitable form other than that herein shown. It is formed with a cam-surface, *a*, with which the lug of the bolt engages in adjustably securing the bead to its casing. This adjustment permits compensation being made for shrinkage or for swelling, as may occur by reason, respectively, of dryness or moisture of the wood; and this is considered an important feature of the fastener.

It is apparent that instead of the cam or incline surface being formed on the under side of the locking-plate, it may be formed on the upper side of the lug, or on each of the same.

In case the bolt is made with two or more lugs the engaging-surfaces of the locking-plate would suitably correspond thereto. This plate is made with an opening or hole, *b*, the counterpart of the inner end of the bolt, and within which the same fits, so that by introducing said bolt end therein, and turning the bolt-handle, the bead is locked to the casing with any desired degree of closeness.

A face-plate, E, is secured to the bead, and provides shoulder-bearing for the bolt as the latter is operated or held locked. It is made to correspond to the form of bolt or bolt-handle, and instead of having an open slot, as shown by one of the two forms in the drawings, the same result is obtained by making it in two parts.

The modification shown in Fig. 4 of the drawings represents the rotary bolt as having its lateral lug formed on its outer end and its annular shoulder formed on its inner end. This construction simply reverses the position, respectively, of said lug and shoulder, so that the bolt has shoulder-bearing against the inner plate and has cam-engagement with the outer plate.

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

A window-bead fastener consisting in the combination, with plates secured, respectively, to the window-casing and to the window-bead, of a rotary bolt adapted to work in openings formed in both said plates and in the bead, said bolt having cam-engagement with one of said plates and shoulder-bearing against the other plate, substantially as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand and seal this 30th day of April, 1879.

CHARLES FRANCIS HANCKEL. [L. s.]

Witnesses:

LIONEL C. NOWELL,  
JOHN L. SHEPPARD.