D. C. Sage,

Shutter Hook.

No. 95,146. Patented Sept. 21. 1869.

Fig 1

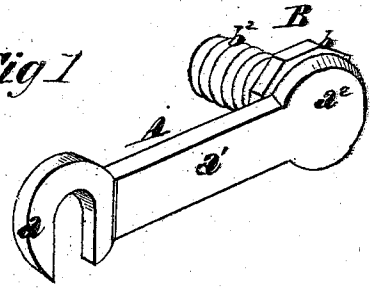


Fig 2

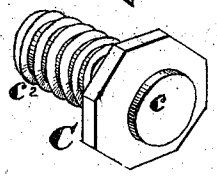


Fig 3

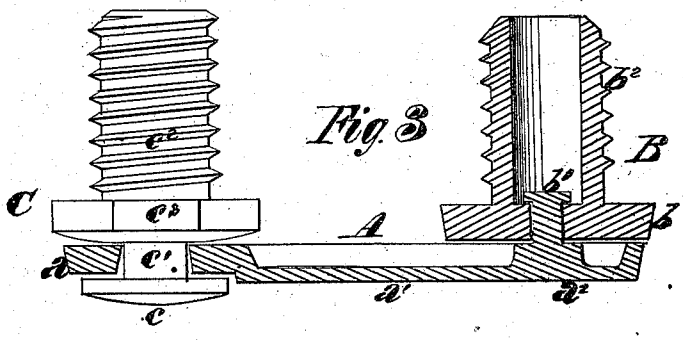
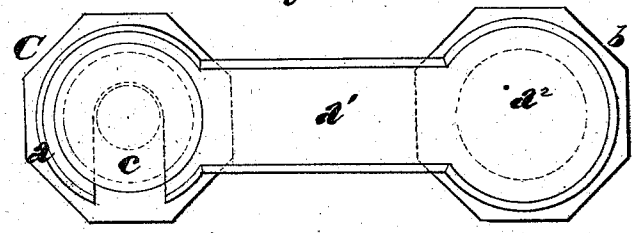


Fig 4



Witnesses
R. F. Campbell
Julius Hirsch

Inventor.
D. C. Sage.
by
Munn, Fenwick & Lemmon

United States Patent Office.

D. C. SAGE, OF MIDDLETOWN, CONNECTICUT.

Letters Patent No. 95,146, *dated September* 21, 1869.

IMPROVEMENT IN SHUTTER-HOOKS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, D. C. SAGE, of Middletown, in the county of Middlesex, and State of Connecticut, have invented certain Improvements on Shutter-Hooks; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the shutter-hook, with screw-attachments.

Figure 2 is a perspective view of the shutter-hook button, with screw-fastening.

Figure 3 is a sectional view of the shutter-hook and its screw-fastening, and an external view of the button applied to the hook.

Figure 4 is a front view of the hook and its button.

Similar letters of reference indicate corresponding parts in the several figures.

It consists, first, in the novel construction of the bearing for the hook of the inside shutter-fastening hereinafter described, said bearing being furnished with a screw-threaded stem, and with a central orifice for the reception of the pivot of the hook, all in such manner that the hook and its bearing can be readily applied to a shutter by screwing the bearing therein.

It consists, second, in effecting the combination of the hook with the hook-bearing, which has a screw-threaded stem, by means of a pivot, which forms a part of the hook and enters through the face of the bearing-plate, and is riveted, as will be hereinafter explained.

It consists, third, in the inside shutter-fastening hereinafter described, composed, first, of the hook-bearing with screw-threaded stem and plate; second, of the hook with the rivet-pivot; and third, of the button C, with screw-threaded stem, nut-bearing, neck, and head, all for use together, as will be hereinafter explained.

To enable others skilled in the art to understand my invention, I will describe its construction and operation.

Prior to my invention, shutter-hooks and their button-fastenings were constructed with wide plates, through which holes were made for receiving common wood-screws for attaching said plates to the shutters. Under this mode of constructing the hooks and buttons, four screws were required to fasten them to the shutters, the heads of which screws, being exposed to view, presented an unsightly appearance.

The hook A consists of a straight shank or body, a^1, having a rounded portion, a^2, formed on one end, and a slotted or hooked portion, a, formed on the other end.

Upon the back and in the centre of the portion a^2, a stud, b^1, is cast or otherwise formed, which is intended to serve as a pintle for the hook, and also a rivet-attachment of the hook to its bearing B, as shown in fig. 3.

The bearing B consists of an angular nut-head, b, and an externally screw-threaded portion, b^2, which latter is hollow, for the purpose of allowing a tool to be inserted into it for mashing down or riveting the end of the stud b^1, which latter is inserted loosely through a hole made through the centre of the nut-head b.

The button-head c, and its contracted neck c^1, are formed centrally upon the end of a bearing, C, which consists of an angular head or nut, c^3, and an externally-threaded stem, c^2. This bearing, with its button-head, may be cast solid.

To apply the bearings B C to shutters, it is only necessary to bore holes into the shutters, and by means of a wrench applied to the nuts of said bearings, screw them home.

Having described my invention,

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

1. The construction of the hook-bearing B of the inside shutter-fastening herein described with a screw-threaded stem, b^2, and with a central orifice for the reception of the pivot of the hook, substantially as herein described and shown.

2. The combination of the hook A with the shutter-hook bearing B, which has a screw-threaded stem, by means of a pivot which forms a part of the hook, and enters through the face of the plate b, and is riveted, substantially in the manner shown and described.

3. The inside shutter-fastening herein described, consisting, first, of the bearing B, with screw-threaded stem b^2 and plate b; second, of the hook A with the rivet-pivot b^1; and, third, the button, C, with screw-threaded stem c^2, nut-bearings c^3, neck c^1, and head c, all for use together substantially in the manner and for the purpose described.

D. C. SAGE.

Witnesses:

A. PUTNAM,

HENRY WOODWARD.