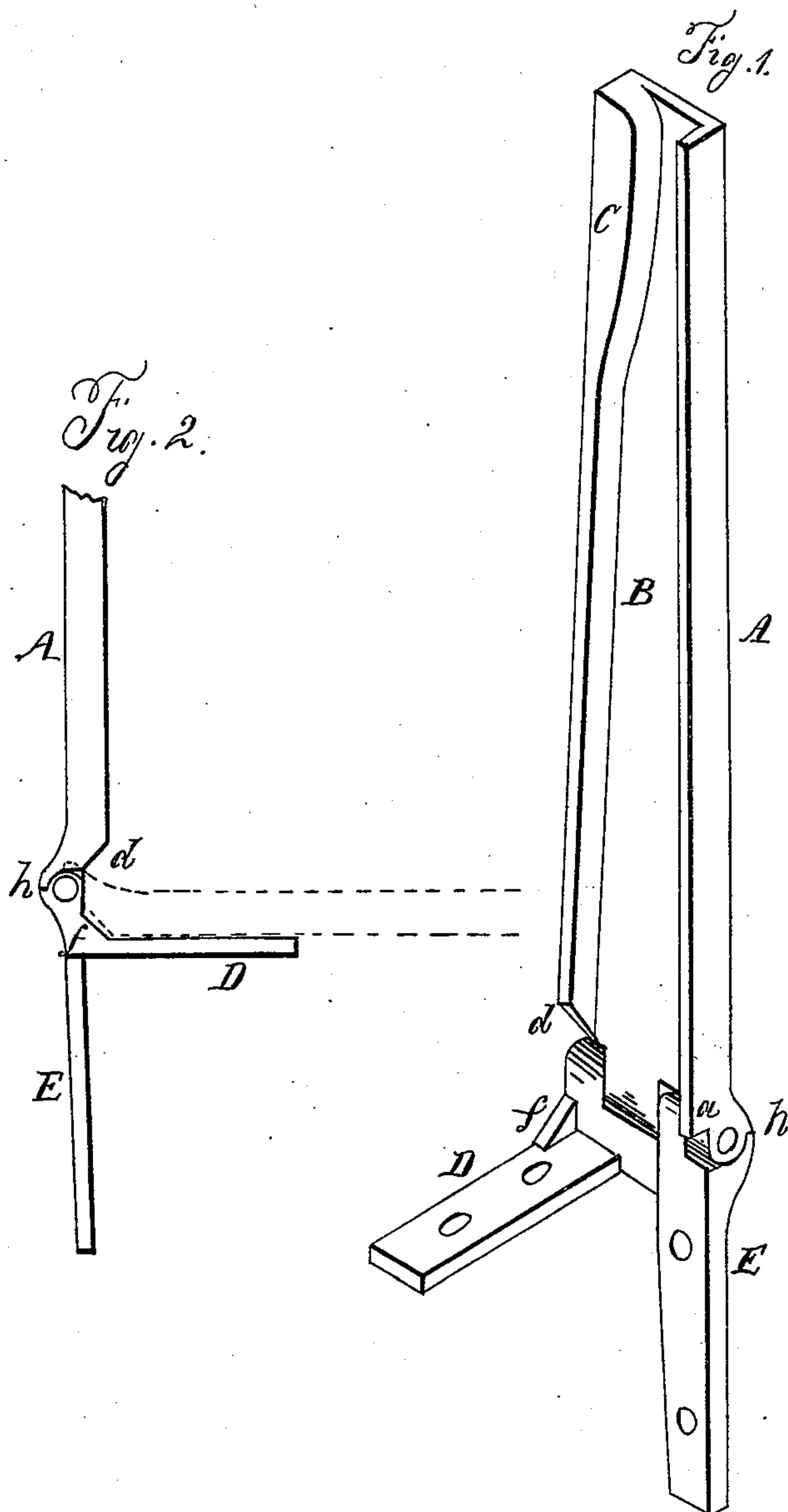


MOORE & JOHNSTON.
Carriage Window.

No. 77,397.

Patented April 28, 1868.



Witnesses
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a J Libbey

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J. H. MOORE AND WILLIAM JOHNSTON, OF NEW HAVEN, CONNECTICUT,
ASSIGNORS TO HENRY HALE AND COMPANY, OF SAME PLACE.

Letters Patent No. 77,397, dated April 28, 1868.

IMPROVED WINDOW-HOLDER FOR CARRIAGES.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that we, J. H. MOORE and WILLIAM JOHNSTON, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Window-Holder for Carriages; and we do hereby declare the following, when taken in connection with the accompanying drawings, and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the holder, and in
Figure 2 a diagram illustrating the operation.

This invention relates to an improvement in window-holders for that class of carriages known as "landau carriages," the object being to support the window, so that when it is raised it may open with the door, and when the window is dropped, the holders may be turned down over and so as to cover the top of the sash or recess in the door, into which the sash drops. Heretofore the window-holder has been constructed with a hinge in one part, so that when the holder is turned down, an open joint at the hinge was unavoidable. By our invention this is entirely overcome, and consists in the construction of the hinge in two parts, the one (the inner) extending down into the recess in the door, into which the sash drops, the other (the outer) secured upon the upper edge of the door, and formed so that, with the holder, when turned down, it closes the joint, and gives to the whole a neat and finished appearance.

In order to the clear understanding of our invention, we will proceed to describe the same as illustrated in the accompanying drawings.

A is the window-holder, constructed with a groove, B, as seen in fig. 1, into which the sash rises, and the groove provided with a projection, C, to hold the upper edge of the window, and prevent its rattling, the width of the groove at that point corresponding to the thickness of the sash. At the lower end of the holder A we attach the two parts D and E of the hinge. E, the inner part, extends down into the door, and is there secured, and the other part, D, upon the upper edge of the door, both in relative position to the holder A, as seen in fig. 1. The inside of the holder A, that is, the side attached to the part E, has formed upon its lower edge a shoulder, *a*, which, when turned down, as denoted in red, fig. 2, closes the joint between the two parts, by the said shoulder *a* turning down upon and close to the hinged part E. The other or outer side has an inclined shoulder, *d*, formed thereon, and on the hinge a corresponding angular rib, *f*, so that when the holder is turned down, as denoted in red, fig. 2, the joint will be fully and neatly closed.

The outer shoulder or stop, *h*, on the hinges and holder, is made quite thin, and only sufficient to act as a stop for the holder, when raised to an upright position, and so that when the holder is turned down, the surface of the joint is open only so much as the thickness of the shoulder, and therefore has not the unfinished appearance of the ordinary holder.

It will be readily understood that the holder shown and described applies only to one side or edge of the door, and that a corresponding holder is placed upon the opposite edge, therefore requiring that the holders remain in pairs, right and left.

Having thus fully described our invention, what we claim as new and useful, and desire to secure by Letters Patent, is—

The arrangement of the two parts, D and E, hinged to and combined with the holder A, the whole constructed in the manner substantially as herein described.

J. H. MOORE,
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Witnesses:

JOHN H. SHUMWAY,
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