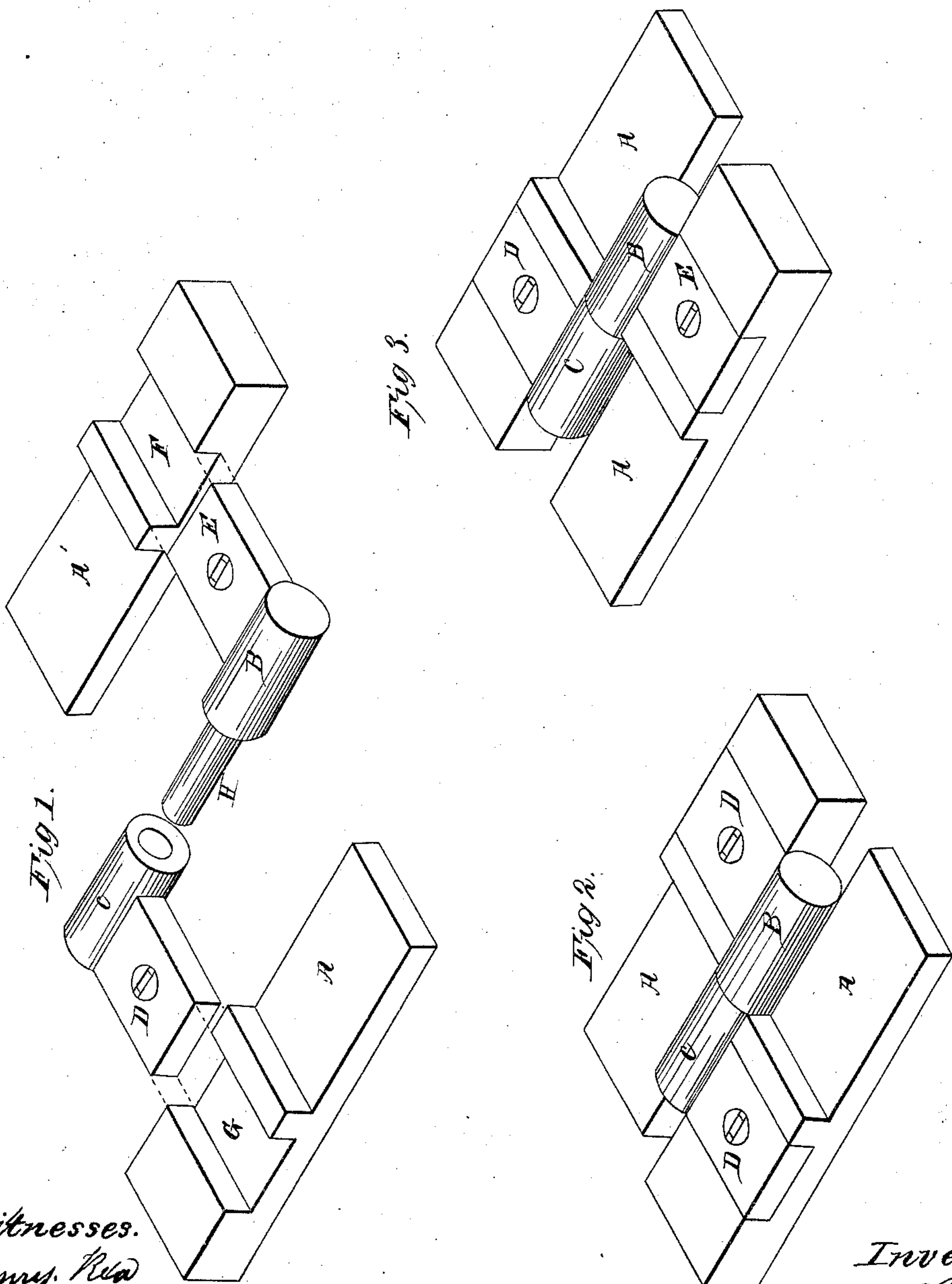


W. S. Weed,

Hinge.

N<sup>o</sup> 69,287.

Patented Sep. 24, 1867.



Witnesses.

Henry Reed

Asst. Babbitt

Inventor:

Walter S. Weed

# United States Patent Office.

WALTER S. WEED, OF AUBURN, NEW YORK.

*Letters Patent No. 69,287, dated September 24, 1867.*

## IMPROVEMENT IN REVERSIBLE BUTT-HINGES.

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

### TO WHOM IT MAY CONCERN:

Be it known that I, WALTER S. WEED, of the city of Auburn, in Cayuga county, New York, have invented a new and improved mode of Constructing Butts or Hinges for Doors, Blinds, &c., to be hereinafter described; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon.

The object of this invention is to construct a loose hinge or butt in such manner that it may be used with equal facility on a right or left-hand door or blind. What I mean by a loose hinge or butt is one that allows the door or blind to be removed from the hanging position without disengaging the hinge from either the door-post or the door. It relates to the use in such articles of two stands or stock-pieces, to be used in combination with the hinge proper, and so constructed as to be convertible or used on either side with equal facility, without changing or in any way altering their forms.

In order that others may know how to make and use my invention, I will proceed to describe its construction, and the mode of its application to the use intended.

In Figure 1 are shown all the parts of my hinge in perspective.

A and A' are the two stock-pieces or stands, B is the male and C the female portions of the hinge, and D and E are the wing-pieces, making a part of the same. The stock-pieces or stands A and A' support the hinge proper, and hold the joint in its proper position. The wing-piece E is fitted to the chambers F, and the wing D to the chamber G. Both wings and chamber are of the same width and depth as the wings E and D.

Now, when the wrist H of the male portion of the hinge B is inserted into the female portion C of the hinge, and the two wing-pieces E and D are slipped into the two stands or stock-pieces, we have a right-hand butt or hinge, as represented in fig. 2, complete. To form a left-hand hinge, the stock-piece A' is changed over into the place of A, and the stock-piece A into that of A', and both wing-pieces, E and D, turned over so that they will point in the opposite direction from that represented in the drawings, and when the several parts are slipped into their places we shall have a left-hand hinge like the one represented in fig. 3. The stock-pieces A and A' are secured, one to the door and the other to the lintel or door-post, with wood-screws, in the ordinary way of securing hinges used for hanging doors and blinds, and on that account do not require a description in this place. The wing-pieces may be secured to the stock-pieces by the same wood-screws that hold the stock-piece to the door or blind, or they may be fastened by a short screw, using the stock-piece for a nut.

The simplicity of this invention, and the ease with which the hinge can be produced, may, I think, be regarded as a great triumph in loose-jointed right and left-handed hinges. Every builder has experienced the difficulty of procuring suitable hinges for his use, and many, many times do they require to be returned to the store and exchanged for others before the kind desired can be obtained. This invention entirely removes this difficulty, and any pair of loose-jointed butts or hinges may be used with equal facility either on the right or left-hand side of the door or blind.

Having above described the construction and mode of applying and using my invention, what I claim as new, and wish to secure by Letters Patent, is—

The combination of the convertible stock-pieces A and A' with the joint-pieces B and C and wing-pieces E and D, when all are constructed, operated, and used substantially in the manner and for the purpose above specified.

WALTER S. WEED.

Witnesses:

HENRY REA,  
A. BABBETT.