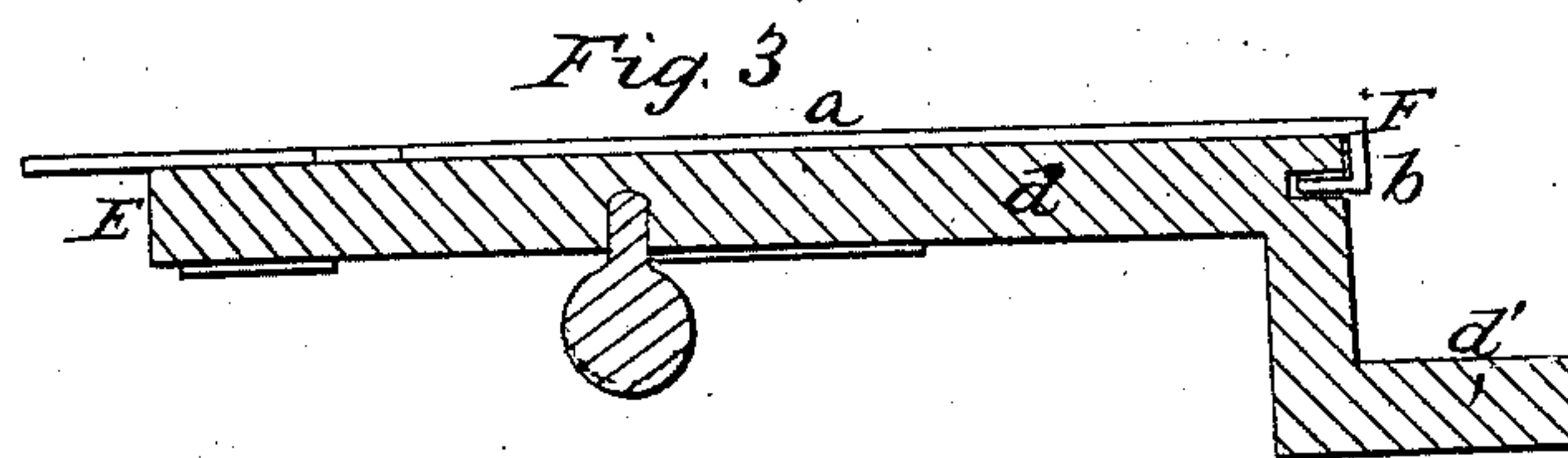
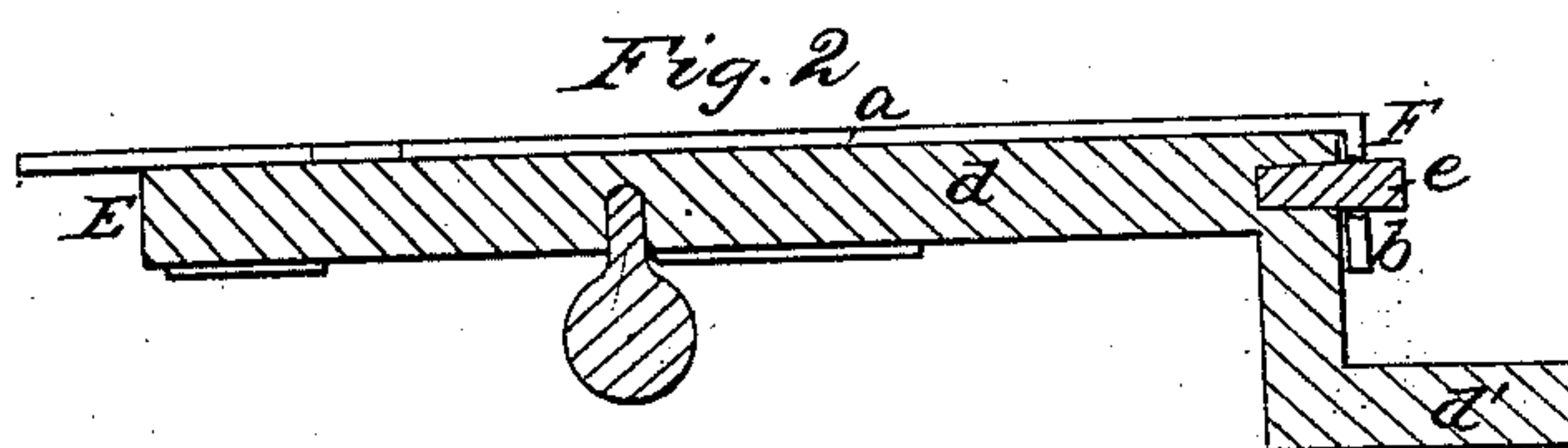
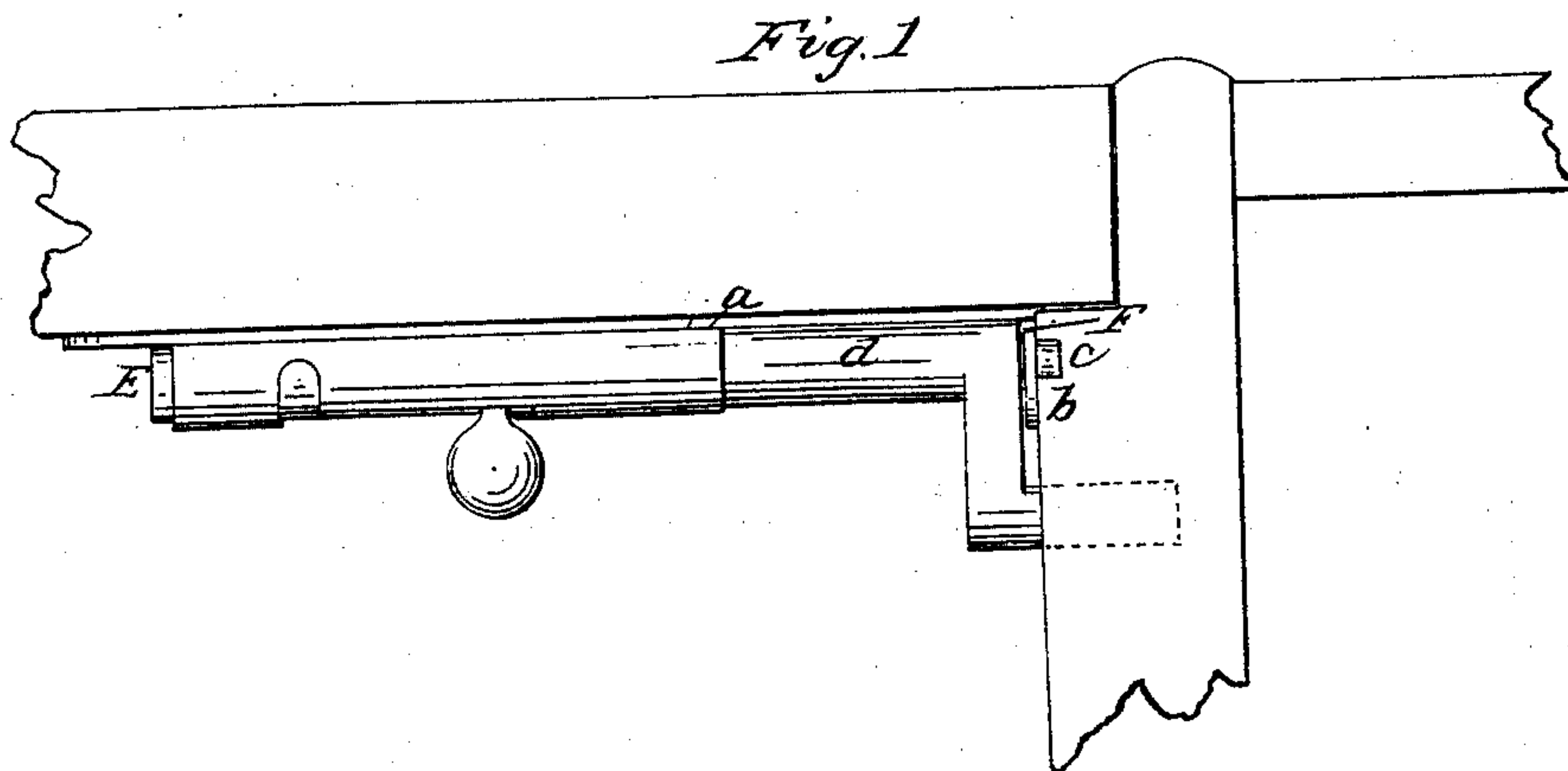


W. H. Hart,

Door Bolt.

N<sup>o</sup> 50,120.

Patented Sep 26, 1865.



Witnesses:

Agnes J. Harwin  
Jerry W. Bly

Inventor:

W. H. Hart

# UNITED STATES PATENT OFFICE.

WILLIAM H. HART, OF NEW BRITAIN, CONNECTICUT.

## DOOR-BOLT.

Specification forming part of Letters Patent No. 50,120, dated September 26, 1865.

*To all whom it may concern:*

Be it known that I, WILLIAM H. HART, of New Britain, county of Hartford, and State of Connecticut, have invented certain new and useful Improvements in the Manufacture of Bolts for Doors, &c., commonly called "Neck-Bolts;" and I do hereby declare that the same is described and represented in the following specification and drawings, and to enable others skilled in the art to make and use the same, I will proceed to describe its construction by referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this improvement consists in providing a support directly at the extended end of the main shaft of a bolt made **Z** or neck shape at its outer end.

The object of this improvement is to strengthen and add to the utility and desirableness of this kind of bolts, which heretofore have been very annoying. These bolts may be made round or square, and of any suitable metal; but it is believed that the round form will be found to be the most desirable, for the reason that they will make smaller packages for market, and that the **Z** or neck shape end when not in use will turn down against the door, and thereby obviate the otherwise injurious effects of its operating as a hook to injure the person or clothes as they are passing.

In the accompanying drawings, Figure 1 shows a view of a bolt secured to a portion of a door and the **Z** or neck shape end thereof pushed forward into the jamb, as when in practical use. Fig. 2 is an edge view. Fig. 3 is another edge view showing a modification of the form or way of supporting the extended end of the bolt, (the main bolt.)

*a* is the plate to which the bolt-barrel is secured, the front end, *b*, of which is bent forward at about a right angle with the plate *a*, and is perforated so as to receive the end of the pin *c*, which pin *c* is formed on the bolt, or

by drilling into the end of the main bolt to receive said pin *c*, which pin *c* may be secured either into or onto the plate *b* or the end of the bolt *d*, and work into one or the other, as desirable.

*d* is the bolt proper, which is secured in the barrel in the usual way. By this means the bolt *d'*, which constitutes what I call the "**Z** shape or neck end," is allowed to enter the jamb of the door, at a sufficient distance from the door-rabbit to take a firm hold thereof; and by means of the projecting pin *c* greater strength and security are afforded in fastening the door.

What I mean by the main shaft or bolt, referred to in the foregoing, is that portion shown between the letters E and F. In Fig. 3 I have shown the end of the plate bent so that its edge will enter the slit formed in the end of the bolt proper, or the extended end of the main shaft or bolt. The same result may be produced by making a staple, the two prongs of which pass through the plate and are secured in the usual way thereto, so that as the bolt is pushed forward the slot in the end of the bolt will receive the outer edge of the staple. In this way the bolt may be secured to a door and the door made fast therewith in a more perfect and secure manner than with those now in use.

I believe I have thus shown and described the nature, construction, and advantage of this improvement so as to enable others skilled to make and use the same.

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

Providing a support at the extended end of the main shaft or bolt of a **Z** or neck shaped bolt, substantially as shown and described.

WM. H. HART. [L. S.]

Witnesses:

AGNES J. HANNA,  
JEREMY W. BLISS.