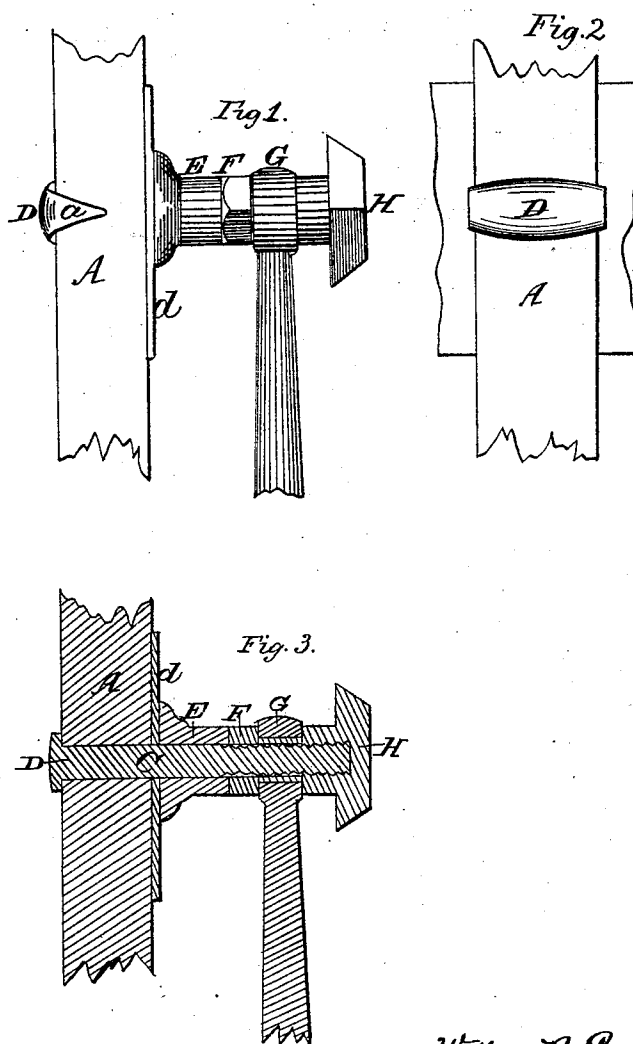


W. B. PARDEE.  
Top Prop for Carriages.

No. 84,573.

Patented Dec. 1, 1868.



Witnesses

J. H. Shumway  
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By his Attorney,

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# United States Patent Office.

WILLIAM B. PARDEE, OF NEW HAVEN, CONNECTICUT.

Letters Patent No. 84,573, dated December 1, 1868.

## IMPROVEMENT IN TOP-PROP 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 I, WILLIAM B. PARDEE, of New Haven, in the county of New Haven, and State of Connecticut, have invented a new Improvement in Top-Props for Carriages; and I 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 side view of the prop attached to the bow;

Figure 2, an inside view of the bow with the prop attached; and, in

Figure 3, a longitudinal central section of the same.

This invention relates to an improvement in the article of manufacture known to the trade as "top-props," that is to say, the studs placed upon the bows of carriages, by means of which the braces are attached to the bows to support the carriage-top.

As heretofore constructed, top-props have been secured by the same nut which holds the brace upon the prop, (that is, the props which pass through the bow;) therefore, when the nut is removed, the bolt and other parts will be loose, occasioning some difficulty in retaining the parts in place while the braces are being adjusted.

By my invention this difficulty is entirely overcome, and consists in placing a nut on to the bolt down upon a sleeve, which is first placed upon the bolt, and so as to bind the bolt and sleeve firmly to the brace, then placing over this the brace, and then the outside nut.

By this construction the prop is held in position independent of the outside or finishing-nut.

To enable others to make and use my improvement, I will fully describe the same, as illustrated in the accompanying drawings.

A is an ordinary carriage-bow, through which I pass

a bolt, C, the head D of which I make T-shape, so as to bend the two ends down, the one upon each edge of the bow as seen at *a*, fig. 1. This prevents the bolt from turning, and enables me to make a round bolt, which is very much cheaper than a square bolt.

Upon the outside, over the bolt, I place a sleeve, E, so as to rest upon the covering *d*, and secure that around the bolt, or, if preferred, the sleeve may extend through the covering, directly on to the bow.

The outer end of the bolt is threaded a little longer than the ordinary prop, that is to say, quite down to the sleeve E; then on to the bolt, I turn a nut, F, hard down upon the sleeve E, which securely binds the parts together. The form of the head, as before described, prevents the bolt from turning while the nut is being thus screwed down; then over the bolt I place a brace, G, and finishing-nut H, in the usual manner.

It will therefore be seen that the prop is securely held, entirely independent of the outer or finishing-nut H, whereby, when the nut H is removed, the prop will remain firm in its position while the brace is being adjusted, and this prop is constructed at very little if any additional cost over the prop in general use.

I do not broadly claim the construction of a top-prop by passing the bolt through the bow; but having fully described my invention,

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

1. A top-prop bolt, constructed with the T-shaped head D, so as to be secured upon the bow by the ends of the said T, substantially as set forth.

2. In a top-prop, in which a sleeve, E, is passed over the bolt, the nut F, arranged so as to secure the parts, substantially in the manner and for the purpose specified.

WILLIAM B. PARDEE.

Witnesses:

A. J. TIBBITS,  
J. H. SHUMWAY.