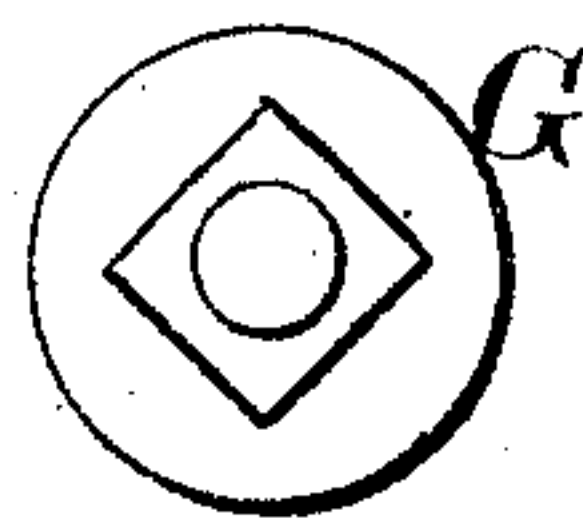
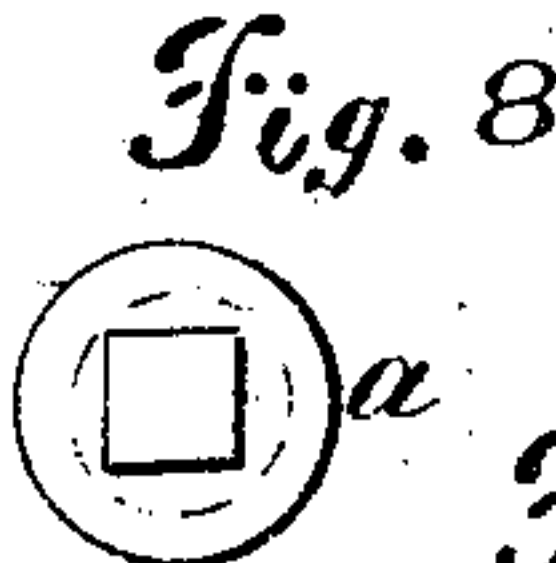
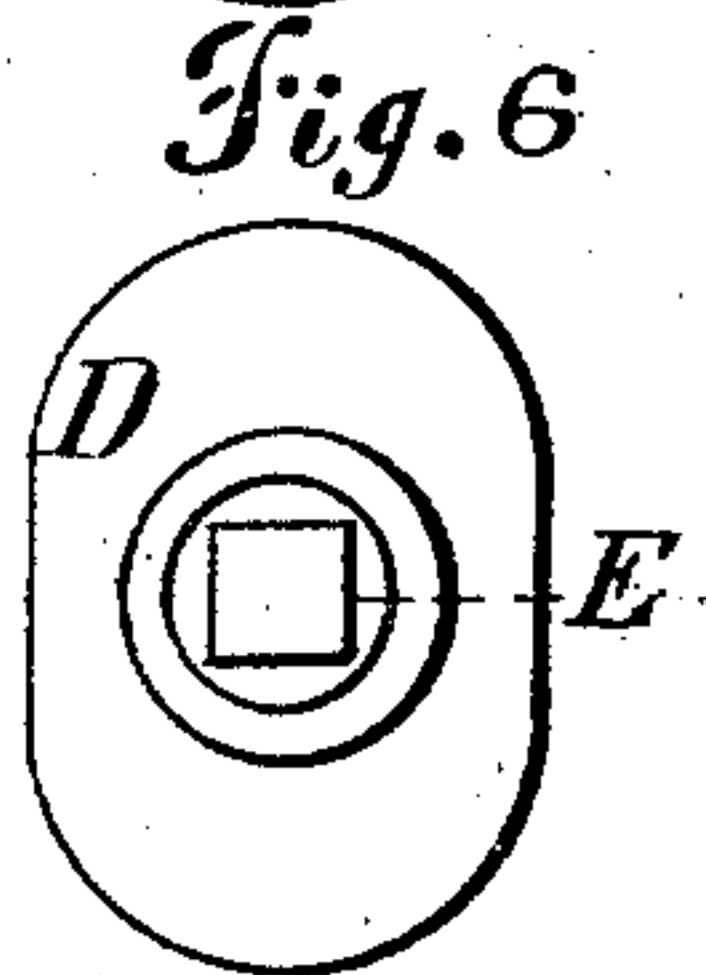
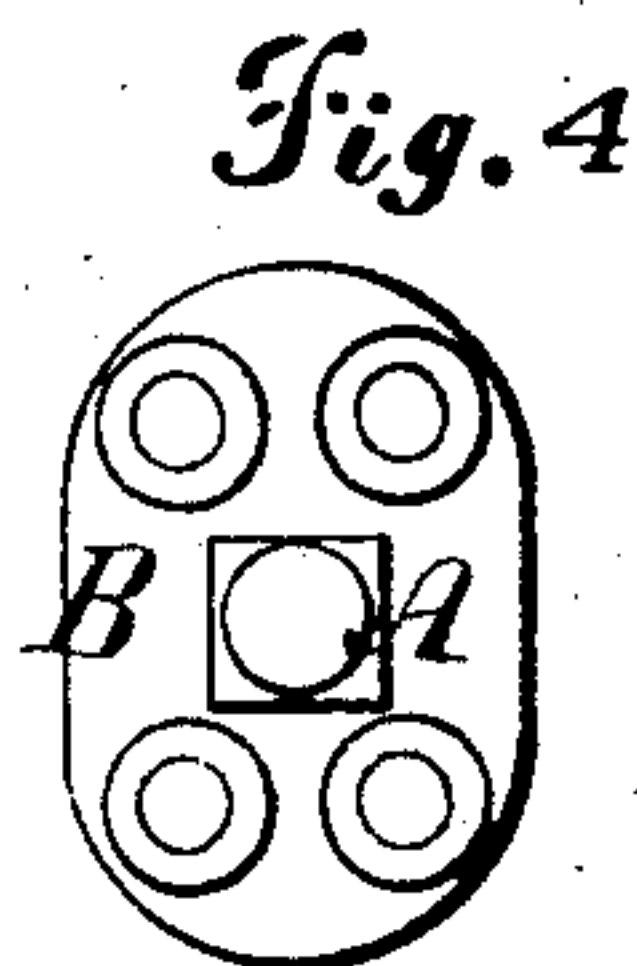
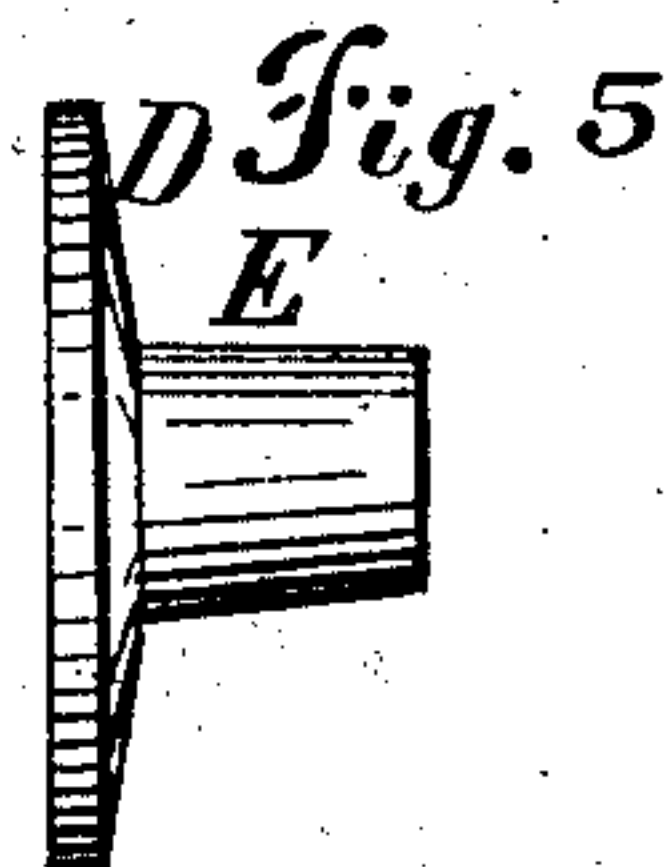
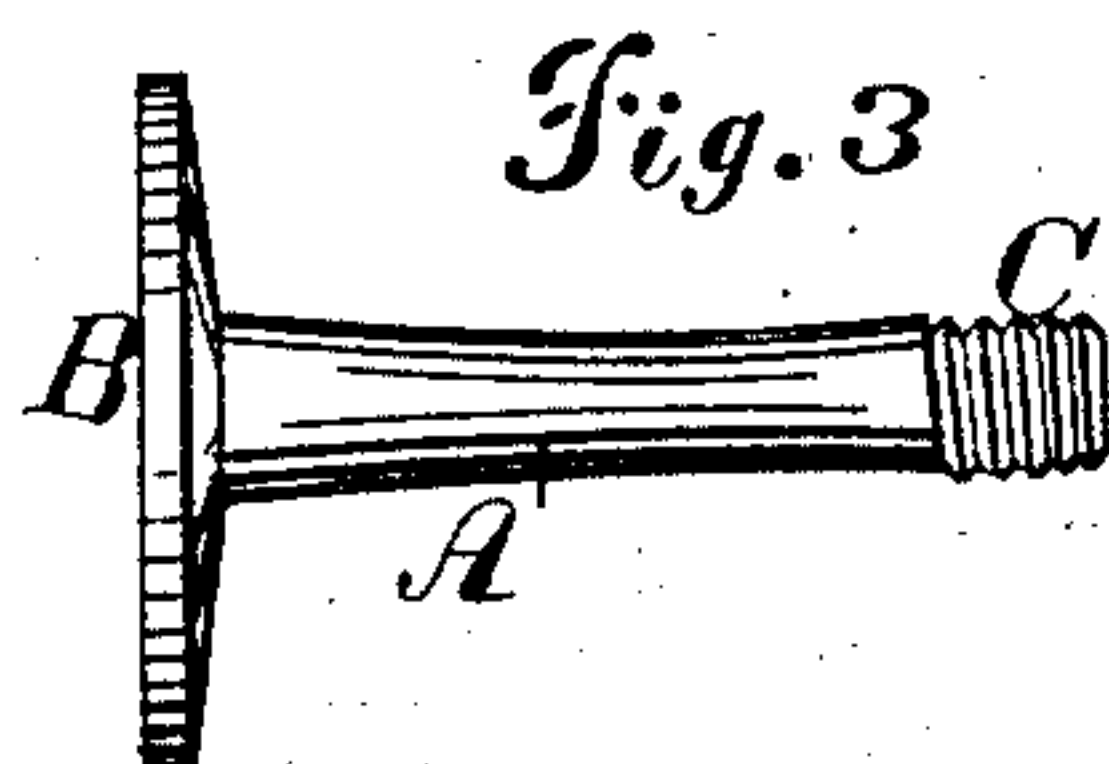
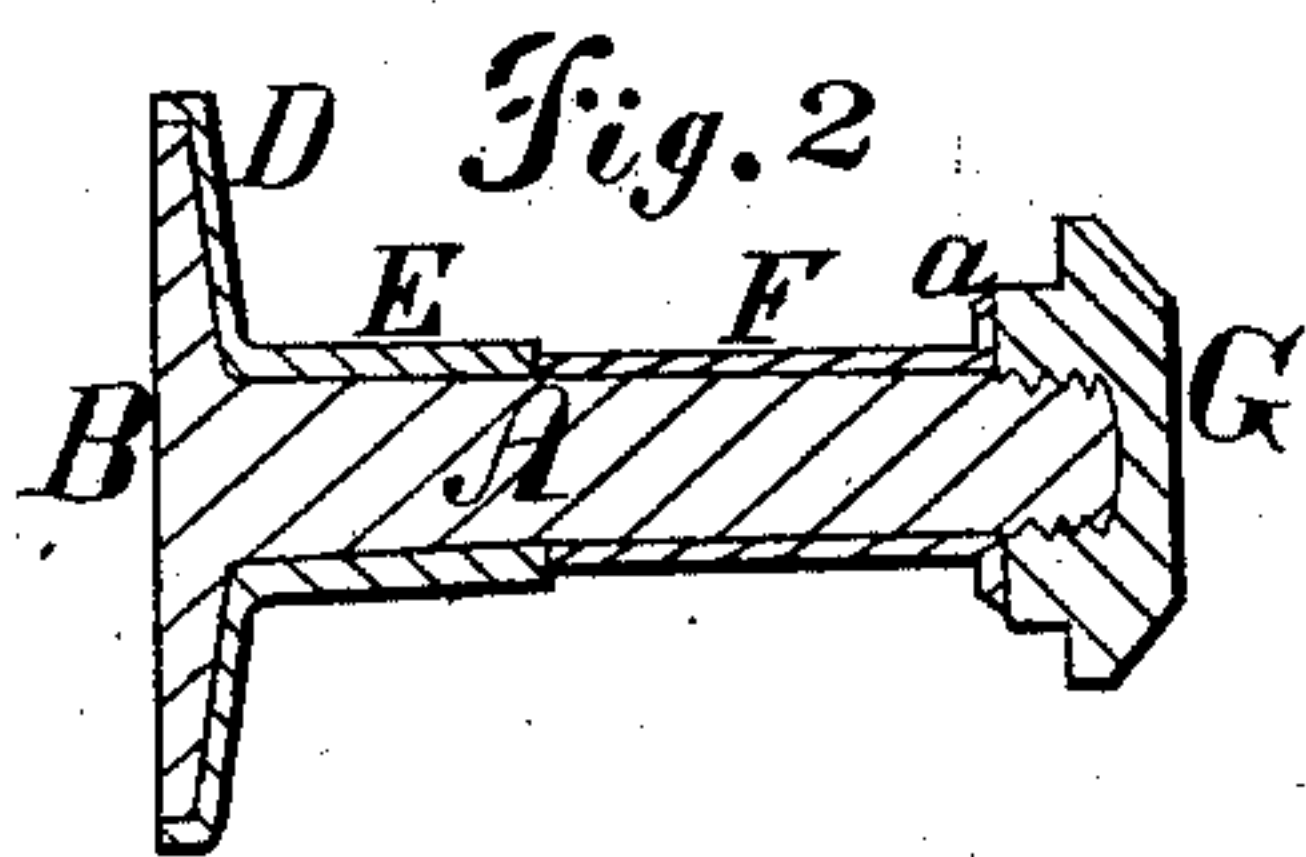
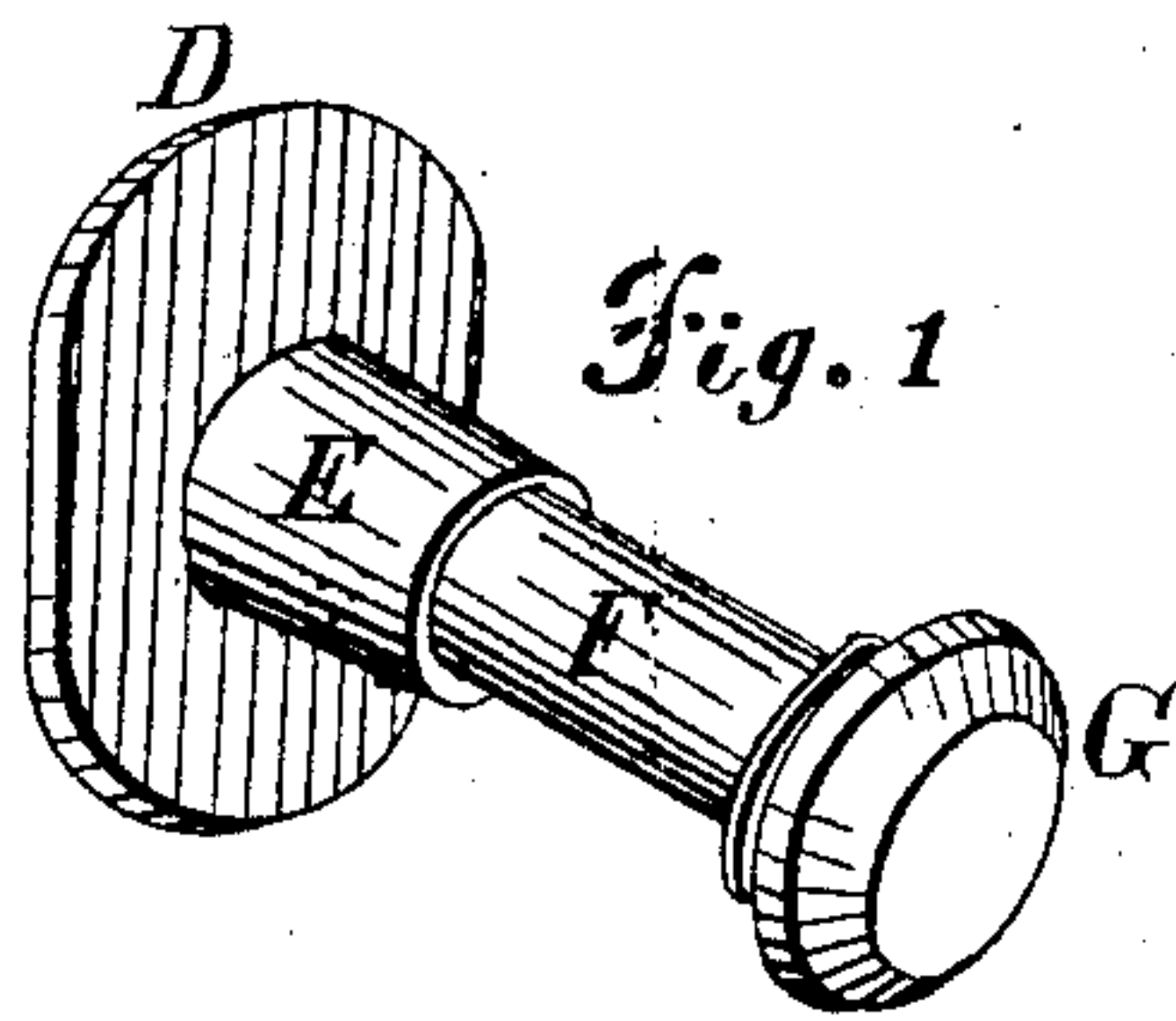


F. A. BRADLEY.
Carriage-Top Prop.

No. 82,203.

Patented Sept. 15, 1868.



Witnesses
J. H. Shumway
a. J. Tibbitts

Fig. 9

Fig. 10

F. A. Bradley
Inventor.
By his Attorney

John E. Carl

United States Patent Office.

F. A. BRADLEY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO HIMSELF,
JAMES G. ENGLISH, AND E. F. MERSICK, OF SAME PLACE.

Letters Patent No. 82,203, dated September 15, 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, F. A. BRADLEY, 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 perspective view of the prop complete.

Figure 2, a longitudinal central section of the same.

Figure 3, a side view of the stud.

Figure 4, an end view of the same.

Figure 5, a side view of the covering-plate.

Figure 6, an end view of the same.

Figure 7, a side view of the sleeve.

Figure 8, an end view of the same.

Figure 9, a side view of the nut.

Figure 10, an end view of the same.

This invention relates to an improvement in the article known to the trade as "top-props for carriages," that is, the stud which is secured to the bows of the carriage-top, and upon which are placed the braces, the said stud forming a joint, upon which the braces turn as the top is opened or closed.

Heretofore props have been constructed so that the bearing came directly on the stud, and the nuts screwed to a shoulder on the stud next to the brace, whereby the turning of the braces was liable to loosen and displace the nut.

The object of my invention is to overcome this difficulty, as also to construct a prop which may be attached to the bow, outside the leather, and, at the same time, provide a covering over the attachment to the bow, in order to give the prop a neat and finished appearance.

In order to the clear understanding of my invention, I will fully describe the same as illustrated in the accompanying drawings.

A is a square stud, formed upon its base or plate B, as seen in fig. 3, its end provided with a thread, C, and the base perforated for the insertion of screws, to secure the stud to the bow.

The stud is placed on the outside of the bow after the bow has been covered; therefore, to cover the screws and the plate B, in order to present a neater and more finished appearance, I form a plate, D, having a sleeve, E, extending therefrom, which said sleeve fits over the stud A, and is constructed as seen in figs. 4 and 5, and placed over the stud, as seen in fig. 2, so as to completely cover the base, B, of the stud.

To form a bearing for the ends of the braces, I construct a sleeve, F, seen in figs. 7 and 8, so as to fit over the stud, and provided upon its outer end with a flange, a.

The diameter of the sleeve is less than that of the projection E of the covering-plate D, so that when the sleeve F is set on to the stud, as seen in fig. 2, the projection E forms a shoulder, against which the braces bear.

The end of the brace is bored out to correspond to the diameter of the sleeve F, and the sleeve F is set into the hole in the end of the brace, and then set on to the stud, as seen in fig. 2; thus the flange a of the sleeve F and the projection E form a shoulder both upon the outside and inside, to prevent the brace from slipping from off the sleeve.

Outside the whole, a nut, G, is fixed, as seen in fig. 2, to bear hard against the end of the sleeve.

The flange a on the sleeve prevents the brace from coming in contact with the nut, and, as the sleeve cannot turn upon the stud, the nut cannot be turned from its place by the operation or action of the braces.

The flanged sleeve F and nut G upon a stud, other than cylindrical form, may be applicable to other uses where there is liability of the accidental removal of the nut by turning on the bearing.

Having fully described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is—

1. In combination with a stud, A, of other than cylindrical form, I claim the sleeve F, formed with the flange a and the nut G, arranged so as to bear against the said flange, substantially as herein set forth.

2. In combination with the stud A formed upon the plate B, I claim the covering-plate D, with its neck or projection E, when constructed and arranged so as to cover the plate B, substantially in the manner herein set forth.

F. A. BRADLEY.

Witnesses:

J. H. SHUMWAY,

A. J. TIBBITS.