

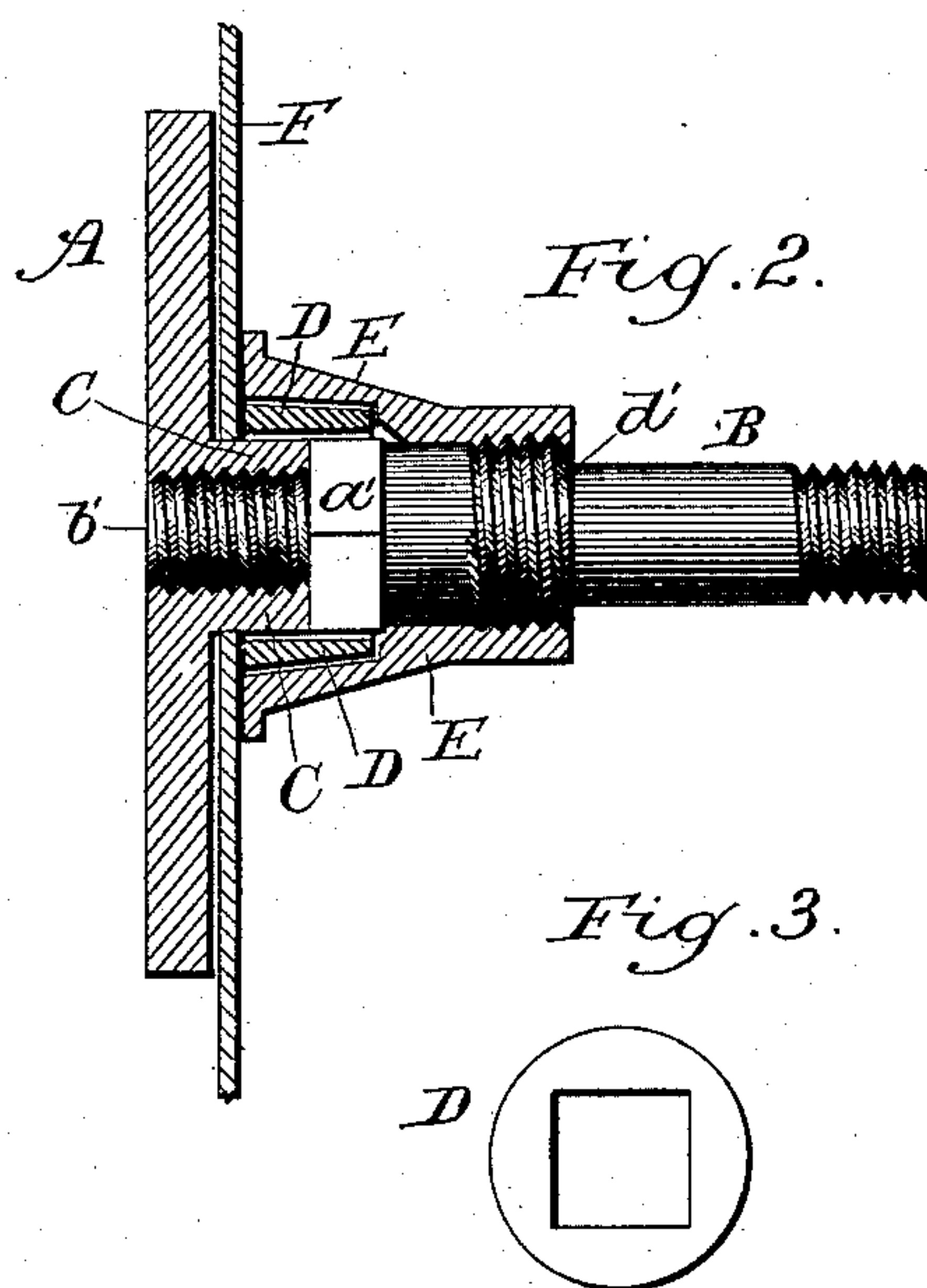
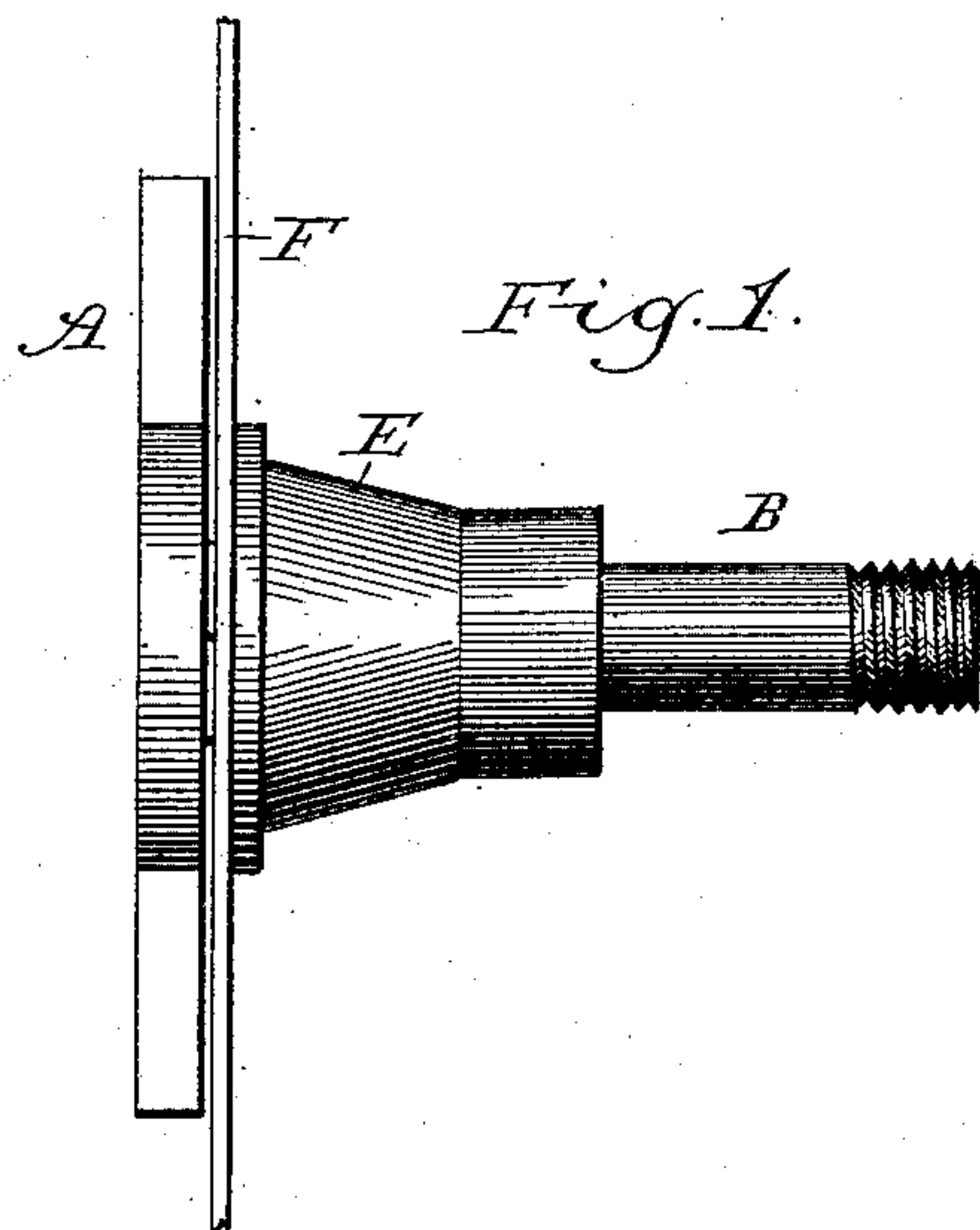
(No Model.)

L. E. McKINNON.

CARRIAGE TOP PROP.

No. 338,281.

Patented Mar. 23, 1886.



Witnesses:

Alex^r. Mitchell
 Wm. A. Rotman

Inventor.

Loachlan E. McKinnon.

UNITED STATES PATENT OFFICE.

LACHLAN E. MCKINNON, OF ST. CATHARINES, ONTARIO, CANADA

CARRIAGE-TOP PROP.

SPECIFICATION forming part of Letters Patent No. 338,281, dated March 23, 1886.

Application filed November 7, 1885. Serial No. 182,123. (No model.)

To all whom it may concern:

Be it known that I, LACHLAN E. MCKINNON, a citizen of the Dominion of Canada, residing at St. Catharines, Province of Ontario, Canada, have invented certain new and useful Improvements in Top - Props for Carriages, of which the following is a specification.

My invention relates to that class of top-props having a separate stem screwed into a base-plate and a separate thimble or sleeve on the stem; and the object of my invention is to provide a prop with a separate stem, which at the same time is so arranged as to allow the thimble to be screwed down tight on the covering material of the carriage-top. I attain this object by the special arrangement of parts illustrated in the accompanying drawings, in which--

Figure 1 is a side elevation of prop. Fig. 2 is a longitudinal section of same; and Fig. 3 is a top view of collar D, shown in Fig. 2.

Similar letters refer to similar parts in all the figures.

A represents the base-plate of prop, which is to be fastened to the carriage-bow.

B is the stem or stud which screws into the base-plate A.

C is an internally-threaded boss projecting from the base-plate and receiving the external-ly-threaded end *b'* of the stem B. This projection or boss is made square or some other non-cylindrical shape on the outside, and the part *a'* of stem B, which forms a shoulder against the projection C, is also made square or non-cylindrical.

D is a collar or washer made internally of such size and shape as to fit over the projection C and the adjoining part *a'* of stem B in such a way as to prevent the stem B from unscrewing or working loose when collar D is in place.

E is a thimble or sleeve internally threaded at its outer end to screw on the threaded portion *d'* of the stem B. At its inner end it is made internally of such shape and size as to fit over and hold in place the collar D. It is

enlarged and flanged outwardly at its extreme inner end, so that when screwed up it may bear against the leather or other covering material, F, to hold it in place and complete the finish. It will be seen that by this arrangement I combine the advantages of the Thomas patent of September 22, 1857, and the Sawyer patent of May 15, 1866.

The sole disadvantage of the Thomas prop is, that the covering material must be stretched over the end of the stem. The Sawyer prop and other loose stem-props, while avoiding that difficulty, have the disadvantage that the thimble does not screw up tight against the covering material, and consequently they do not make as neat a finish as the Thomas prop. My prop, as shown, has a separate stem, which cannot work loose from the base-plate, and at the same time the thimble can (without the use of a separate nut for that purpose) be screwed up tight against the covering material, holding it in place and making a neat finish.

As mentioned above, I am aware that top-props have been made with a separate screw-stem, and also that they have been made with a separate thimble to screw on the stem. I therefore do not claim either of these, nor even the combination of these two styles, broadly; but

What I do claim, and desire to secure by Letters Patent, is--

The combination, in a top-prop, of the base-plate A, having a non-cylindrical projection, C, with the collar D, fitting over the projection C, the screw-thimble E, covering and holding in place the collar D, and the stem B, having a threaded part, *b'*, screwing into the projection C, a non-cylindrical part, *a'*, adjoining the projection C, and a threaded part, *d'*, on which the thimble E screws, all substantially as shown, and for the purposes specified.

LACHLAN E. MCKINNON.

Witnesses:

ALEX. L. MITCHELL,
W. A. NOTMAN.