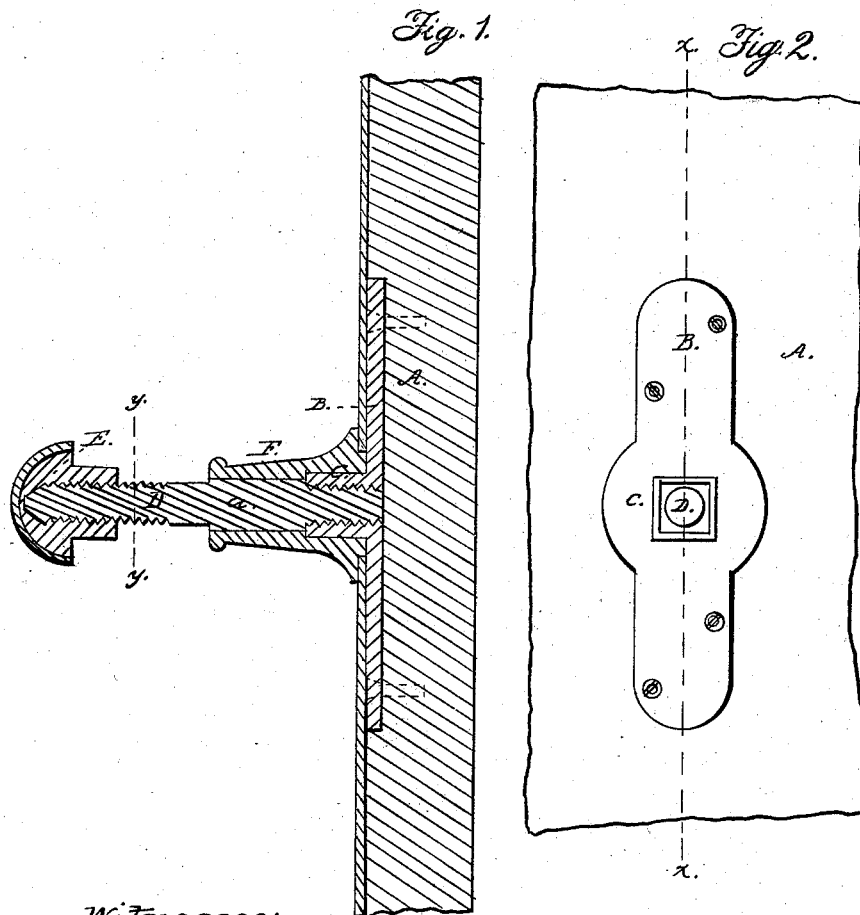


L. SAWYER.

Carriage-Top.

No 54,782.

Patented May 15, 1866.



Witnesses:

J. M. Blountton
Wm. Trewin.

Inventor:

Leonard Sawyer
per Munroe & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

LEONARD SAWYER, OF SOUTH AMESBURY, MASSACHUSETTS.

IMPROVEMENT IN ATTACHING PROPS TO CARRIAGE-BOWS.

Specification forming part of Letters Patent No. 54,782, dated May 15, 1866.

To all whom it may concern:

Be it known that I, LEONARD SAWYER, of South Amesbury, in the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Attaching Props to Carriage-Bows; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a longitudinal section of a portion of a carriage-bow with my improvement attached, also in section *x x*, Fig. 2, indicate the line of section; Fig. 2, an outer or face view of the portion of the bow shown in Fig. 1, with my improvement in section, as indicated by the line *y y*, Fig. 1, the collar of the device being removed from the proper arm.

Similar letters of reference indicate corresponding parts.

This invention relates to an improvement on a prop attachment for which Letters Patent were granted to D. B. Wright and L. Sawyer, bearing date August 31, 1858.

Wright and Sawyer's invention was a great improvement over the old or original prop attachment, as it enabled the workman to adjust the leather or covering neatly over the bows without wrinkles, and with much less labor than was hitherto required, as the prop or arm was made separately from the base-plate and fitted into it by means of a screw at the inner end of the prop or arm. This plan, however, was attended with one objection, to wit, the liability of the prop or arm to casually unscrew from the base-plate in the raising and lowering of the top, and the unscrewing of the nuts from the end of the prop or arm.

My invention is designed to obviate this difficulty; and to that end it consists in having the prop or arm provided with a square portion adjoining the screw at its inner end, and having a square projection on the base-plate, into which the prop or arm is screwed, and a collar fitted on the square portion of the prop or arm and the square projection of the base-plate, said collar, besides preventing the prop or arm from unscrewing from the base-plate, also serving as a shoulder to keep the metal stays in proper position on the prop or arm.

A represents a portion of a carriage-bow bisected longitudinally and having a metal plate, B, let in its outer side, so that the outer side of the plate will be flush with the outer side of the bow. (See Fig. 1.)

At the center of the plate B, at its outer side, there is a square tubular projection, C, which has an internal screw to receive a screw on the inner end of the prop or arm D. (See Fig. 1.) By this means the prop or arm is secured to the plate B, and said prop or arm is provided with a square portion, *a*, which adjoins the screw at its inner end.

The outer end of the prop or arm is also provided with a screw to receive the nut E, and a collar, F, is placed loosely on the prop or arm, and is fitted over the square projection C, said collar having a square interior to conform to the square portion of the prop or arm and to the projection C.

By this arrangement it will be seen that the prop or arm will be effectually prevented from unscrewing from plate B, as the collar F cannot turn in consequence of fitting on the projection C, and the prop or arm cannot turn within the collar. This collar F serves as a shoulder for the metal stays or rods which are fitted on the prop or arm, the former being between the nut E and the outer end of the shoulder.

The leather or covering G fits over the plate B, the projection C passing through a hole cut therein.

This invention possesses all the advantages of those previously devised, besides the advantage herein set forth.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The plate B, provided with the square tubular projection C, and the prop or arm D, provided with a screw to fit into an internal screw-thread in the projection C, in combination with the collar F, having a square interior and fitted on a square portion on the prop or arm and on the projection C, substantially as and for the purpose specified.

LEONARD SAWYER.

Witnesses:

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