

W. H. NOGLE.
CARRIAGE-TOP SETTERS.

No. 179,047.

Patented June 20, 1876.

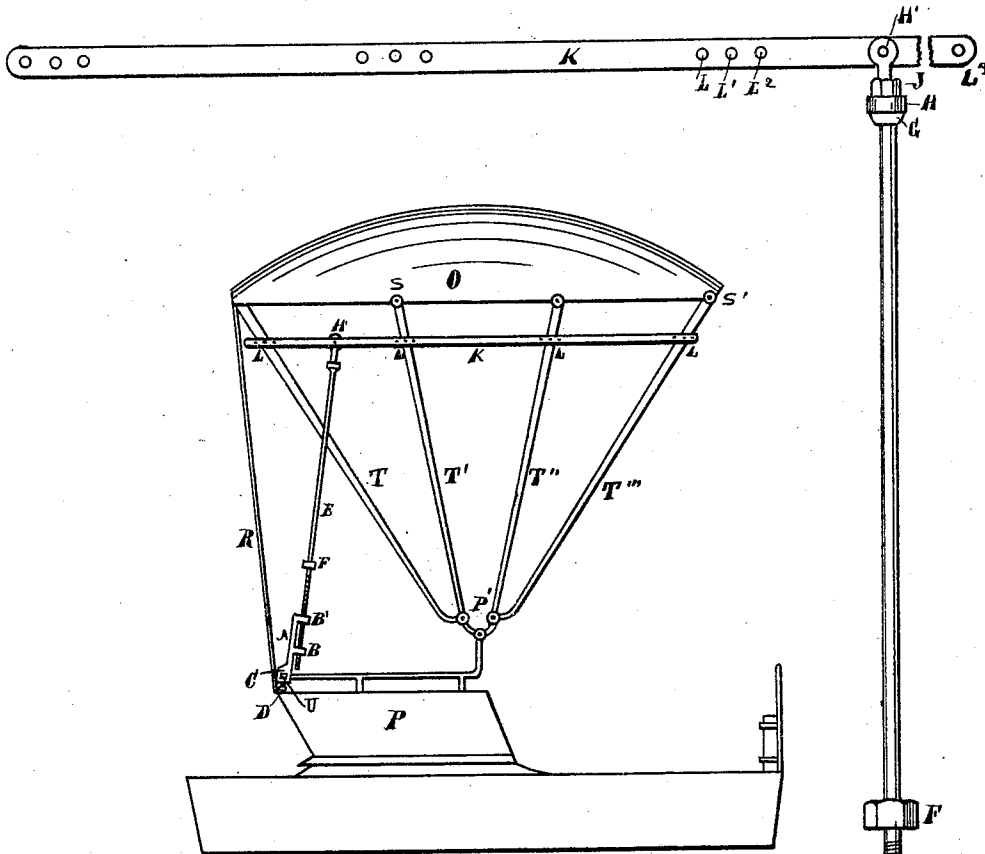
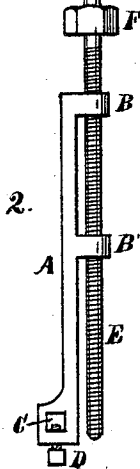


Fig 1.

Fig 2.



WITNESSES;
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WILLIAM H. NOGLE, OF KNIGHTSTOWN, INDIANA.

IMPROVEMENT IN CARRIAGE-TOP SETTERS.

Specification forming part of Letters Patent No. **179,047**, dated June 20, 1876; application filed December 13, 1875.

To all whom it may concern:

Be it known that I, WILLIAM H. NOGLE, of Knightstown, county of Henry, State of Indiana, have invented a new and useful Stay-Brace for Carriage-Trimming, of which the following is a description, reference being had to the accompanying drawings.

My invention consists of an apparatus to be used by carriage-trimmers, and is designed to hold the bows of the top rigidly in their proper position in relation to each other and the jointed brace-stud on the sides of the seat, and allow the trimmings to be secured thereon in a neat and rapid manner.

Figure 1 represents a buggy-top, showing the position of my improved stay-brace while in the act of trimming the top. Fig. 2 represents an enlarged view of the stay-brace complete.

A represents the lower clamping device, and is formed with a hole, C, at the bottom, and provided with the set-screw D. At the top, and near the middle, of the clamp A are lugs B B', which are drilled and tapped out to form nuts, in which the screw swivel-rod E is operated. The rod E is also provided with a thumb nut, F, just above the threaded part, to operate the screw-rod; and the upper end of the rod E is furnished with a collar, G, above which is pivoted the swivel H, and secured therein by the nut J, in such a manner as to leave the swivel free to revolve and be reversible.

The swivel H is pivoted to the stay-bar K at H', and the bar K is perforated with several series of holes, L L' L'', as shown. These holes are designed to be drilled close together, and are so arranged at different parts of the bar K as to allow the bows T T' T'' T''' to be secured in any desired position that may be required, so that the jointed braces may fit on the several studs U S S' after the top has been trimmed and the stay-braces K removed.

Having described the construction of my improved stay-brace, I will now illustrate the manner in which it is operated.

After the bows T T' T'' T''' are mounted, as at P'; Fig. 1, then the clamping device A is slipped onto the stud U of the seat P by means of the hole C; and the stay-bar K is adjusted, as shown, with the bows T properly spaced and adjusted, with the bows T' and T''' in their proper relation to each other and the stud U, to receive the ordinary jointed side braces on the pivots U S S'. Then the set-screw D is made fast, and the tap is ready for the trimmings, which can then be readily attached, as shown at O and R. After the trimmings are all on, then the stay-braces are removed from each side of the bows, and the jointed side braces placed on the studs U S S', in the ordinary manner.

What I claim as new, and wish to secure by Letters Patent, is—

1. The piece A, formed so as to clamp on the stud U, and provided with lugs B B', in which the screw-rod E operates, substantially as set forth, and for the purpose described.

2. In combination with the stud U, the piece A, screw-rod E, swivel H, and bar K, constructed to operate substantially as set forth and described.

3. The bar K, pivoted to the swivel H, and operated in connection with the bows T T' T'' T''', screw-rod E, clamp A, and stud U, to adjust and hold rigidly the bows while being trimmed, substantially as set forth and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM H. NOGLE.

Witnesses:

E. O. FRINK,
I. S. LONG.