(No Model.)

# W. H. LONG.

## CARRIAGE BODY MAKER'S TRESTLE.

No. 459,010. Patented Sept. 8, 1891.

FIG. 1.

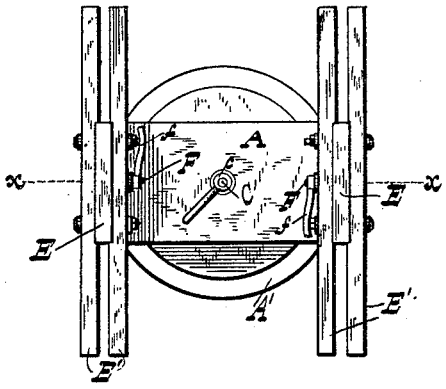



FIG. 2.

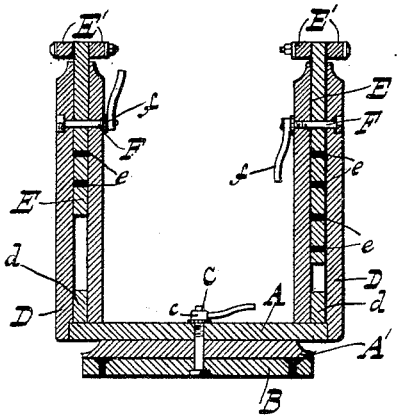
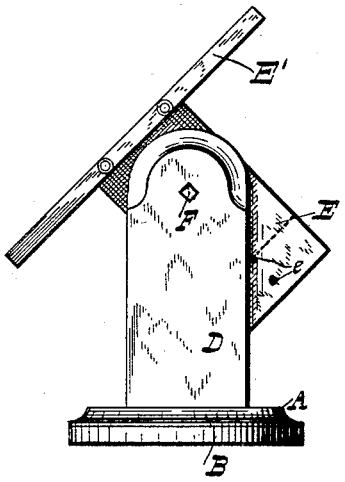



FIG. 3.




Witnesses
Frank L. Lewis.
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# UNITED STATES PATENT OFFICE.

WILLIAM H. LONG, OF MIAMISBURG, OHIO.

## CARRIAGE-BODY-MAKER'S TRESTLE.

SPECIFICATION forming part of Letters Patent No. 459,010, dated September 8, 1891.

Application filed March 9, 1891. Serial No. 384,192. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. LONG, a citizen of the United States, and a resident of Miamisburg, in the county of Montgomery and State of Ohio, have invented certain new and useful Improvements in Carriage-Body-Makers' Trestles, of which the following is a specification.

The object of my invention is an adjustable trestle for holding and supporting carriage-bodies while finishing them, by means of which the workman may, after the body is secured upon it, turn the body in any position desired to conveniently reach all parts of it, and thus save the time and labor of handling, now necessary with the common forms of trestles.

The invention will be first fully described in connection with the accompanying drawings, after which it will be particularly referred to, and pointed out in the claims.

Referring to the drawings, in which like parts are indicated by similar reference-letters wherever they occur in the various views, Figure 1 is a plan view of a trestle embodying my invention. Fig. 2 is a central vertical transverse sectional view of the same, taken through line *x x*. Fig. 3 is a side elevation with the body-supporting members inclined.

Referring to the parts, A represents a base-board, underneath which is secured a circular sub-base A′, and B is a circular platform to be secured firmly to the floor and upon which the trestle is secured to turn in a horizontal plane by the bolt C and tail-nut *c*.

D are upright side pieces secured firmly upon the ends of base A. Each upright consists of two jaws separated at the bottom by the pieces *d*.

Between the upper ends of the uprights D are adjustably secured pieces E, upon each side of which are secured the body-supporting bars E′. The pieces E are journaled or pivoted upon bolts F, which pass through both jaws of the uprights D and through the pieces E. These bolts, like the bolt C, have angular heads, which are countersunk to prevent the bolts from turning and are provided with tail-nuts *f* upon the inside, by which the pieces E are firmly clamped in any position desired. The pieces E are also provided with a series of perforations *e*, in order that they may be elevated or lowered to accommodate the trestle to the different kinds of bodies. The pieces E and bars E′ thus form vertically and axially adjustable cross-heads mounted in the upright jaws D. Now it will be seen that when a body is secured upon the cross-heads E E′ the operator may readily turn the whole trestle around upon its base to bring either side or end in proper position, and may also tilt the body at any angle desired and secure it firmly in such position by the tail-nuts *f*. It is of course obvious that the platform B and sub-base A′, or either of them, may be omitted, and the trestle, by means of base A and bolt C, be pivotally secured directly upon the floor of the shop, and, in fact, the platform A may be rigidly secured to any support without limiting the advantages derived from the adjustable cross-heads.

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

1. In a carriage-body-maker's trestle, the combination of the base, a pair of upright clamping-jaws secured at each end thereof, cross-heads E E′, held between said jaws and pivoted upon bolts passing through the clamping-jaws and pieces E, and the bolts and tail-nuts to clamp the cross-heads between the jaws and hold them firmly in any position desired, substantially as shown and described.

2. The combination of the platform B, the trestle composed of base A and upright clamping-jaws D, pivotally secured thereon, the nut *c* and bolt C for adjusting the trestle around upon its platform and rigidly securing it when adjusted, the pieces E and the bolts for rigidly securing them between the jaws of the uprights, the bolts F and nuts *f* for securing them when adjusted, and the cross-bars E′, secured to the upper ends of the pieces E, substantially as shown and described.

3. In a carriage-maker's trestle, the combination of the base, the upright clamping-jaws

secured at each end thereof, the pieces E, fitted between said jaws and provided with a series of perforations, the bars E′, secured at the top of said pieces E, and the bolts F and tail-nuts *f* for journaling the cross-heads and clamping them firmly between said jaws, whereby said cross-heads are vertically and axially adjustable and rigidly clamped between said jaws when adjusted, substantially as shown as described.

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Witnesses:
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