

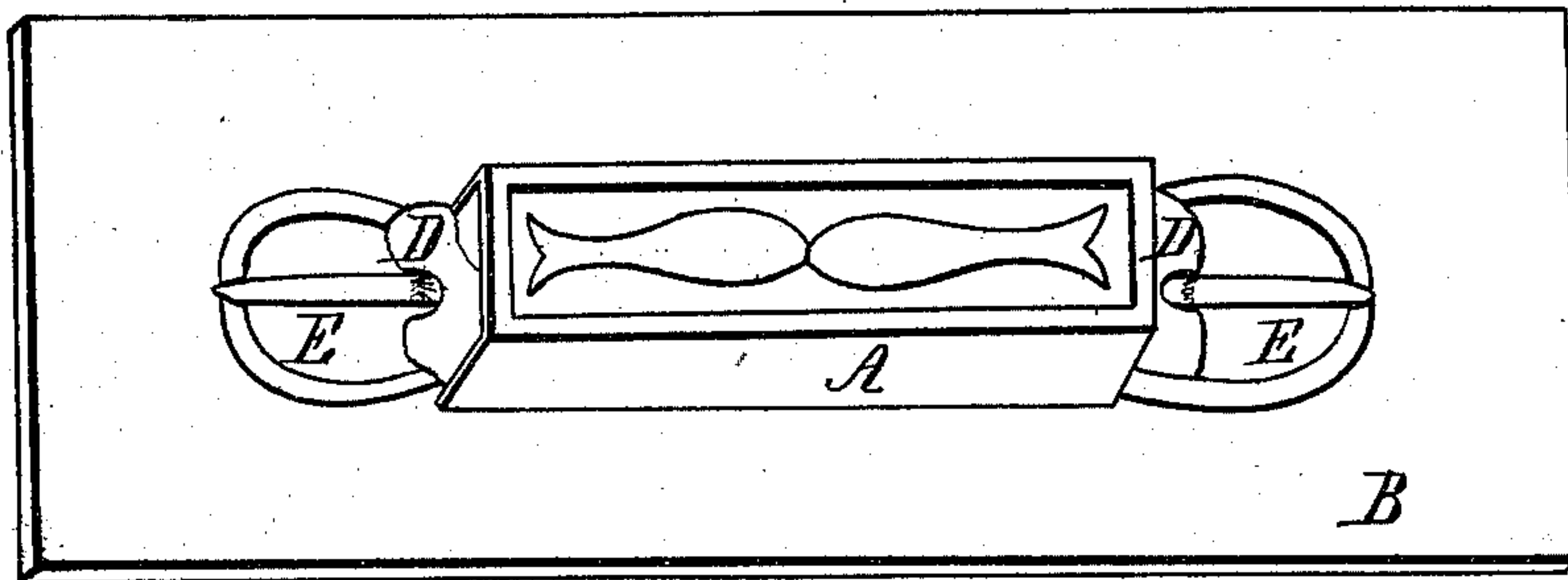
*C. H. Davis.*

*Carriage Loops.*

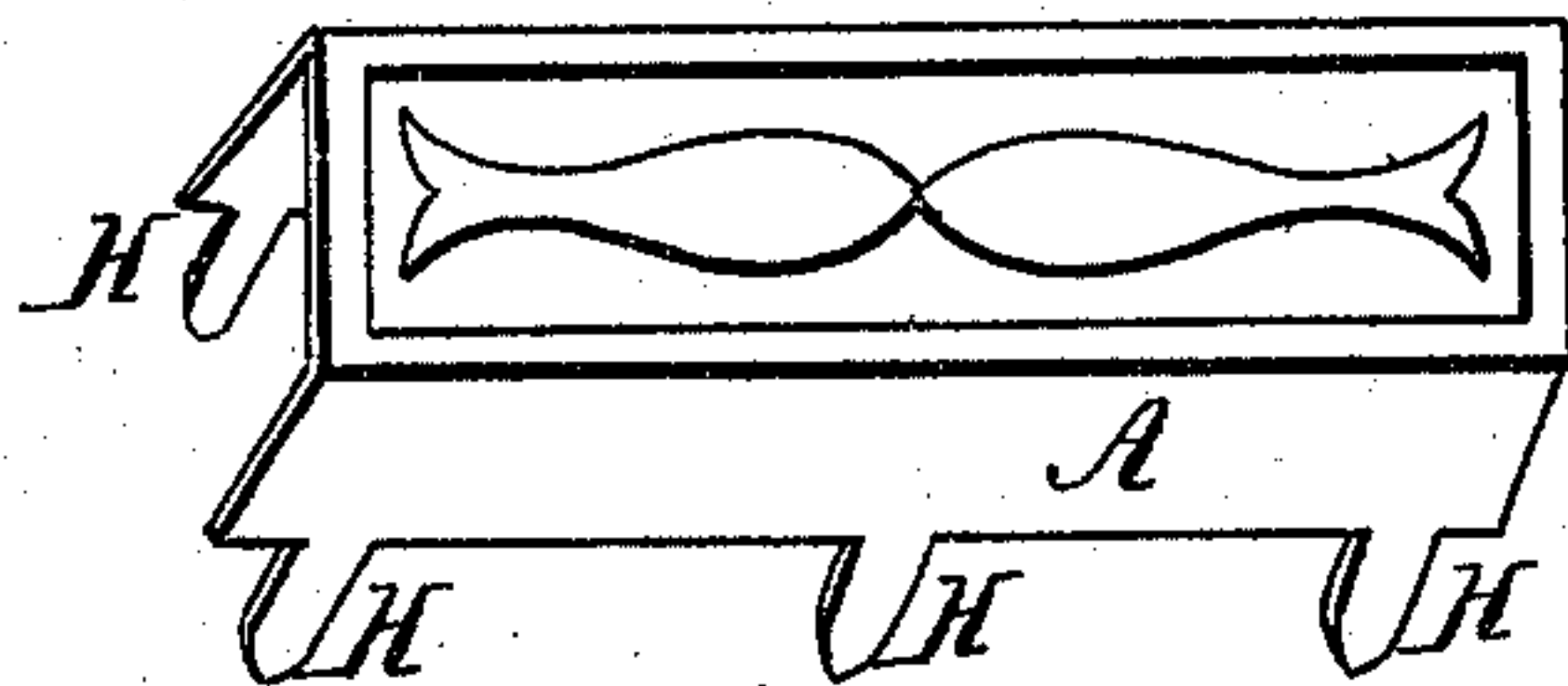
*N<sup>o</sup> 95,004.*

*Patented Sept. 21, 1869.*

*Fig. 1*



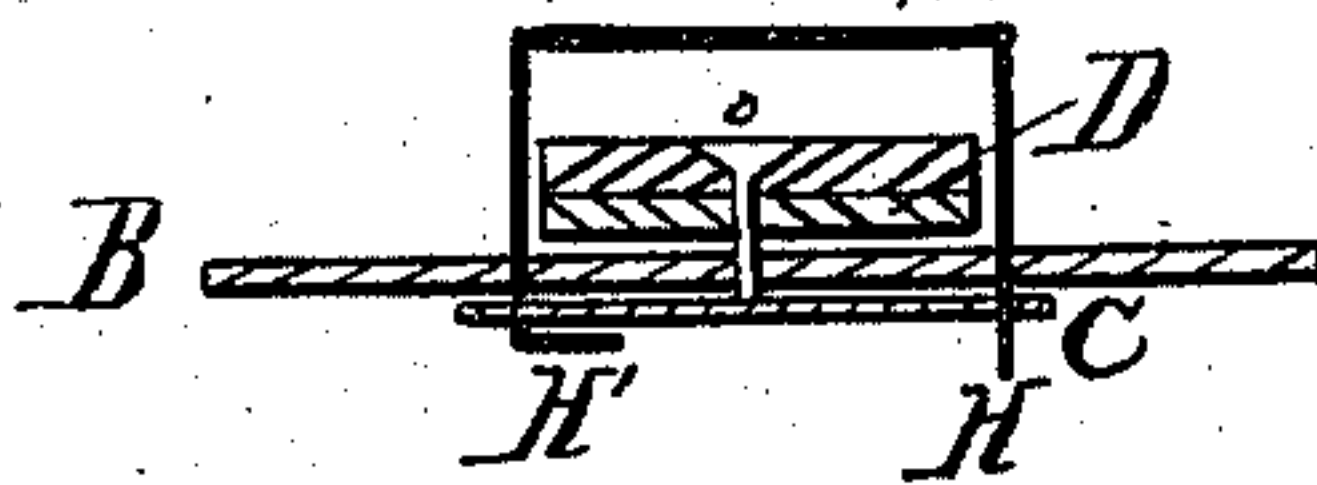
*Fig. 2*



*Fig. 3*



*Fig. 4*



*Witnesses*

*T. W. Davis*  
*C. S. Stanley*

*Inventor*

*Charles H. Davis*

# United States Patent Office.

CHARLES H. DAVIS, OF SYRACUSE, NEW YORK.

Letters Patent No. 95,004, dated September 21, 1869.

## IMPROVED BOX-LOOP FOR CARRIAGE-TOPS.

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, CHARLES H. DAVIS, of Syracuse, in the county of Onondaga, and State of New York, have invented a new and improved "Box-Loop" for use on Carriage-Tops; and I do hereby declare that the following is a full and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a perspective view of the loop, with straps and buckles complete, attached to a piece of leather or section of a carriage-top, B.

Figure 2 is a perspective view of the loop ready for use.

Figure 3 is a plate or cap, used on the back or inside of the top B, for securing the loop A.

Figure 4 is a cross-sectional view of the whole complete.

Similar letters of reference indicate corresponding parts.

My invention has for its object to improve the construction of box-loops for carriage-trimmings; and

It consists in forming the loops from one piece of metal, either cast or struck up, with a series of lugs upon its lower edges, which lugs or spurs are passed through openings formed in the carriage-top, and through openings in a metal stiffening-plate, placed upon the under surface of the leather.

The lugs are then bent down or clinched upon the metal plate, thereby securely fastening the box-loop in place, without the employment of rivets or screws.

Box-loops, as usually constructed, are made of leather, and either sewed or riveted in place, and are liable to be bent out of shape, and torn from the rivets. This method of construction and application is expensive, requiring the labor of skilled workmen,

while, by my improvement, the box is easily applied, and not liable to get out of order.

In the accompanying drawings—

A is a metal loop, either cast or struck up from sheet-metal, preferably the latter.

When formed of sheet-metal, the blanks are cut out by suitable dies, leaving spurs or lugs H H upon two opposite edges. They are then bent into the form shown in fig. 2, to produce the loop.

D is a strap or straps, each end passing around and through the buckle E, and secured, in any proper manner, to the piece B of the carriage-top.

The piece B is provided with a series of holes upon each side of the strap D, corresponding in number and position to the spurs H upon the loop.

The loop is applied to the piece B, by passing the spurs through these holes, as shown in the drawing, and through holes x x, formed in the metal plate C, laid against the inner surface of the piece B.

The lugs are then bent down or clinched upon the surface of this plate, thereby firmly securing the loop in place without the aid of rivets.

Having thus described my invention,

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

The box-loop A, when formed as described, with the lugs or spurs H upon its edges, and applied to a carriage-top, by passing said lugs through the same, and through the metal plate C, and then bending them down upon the surface of said plate, substantially as described, for the purpose specified.

CHARLES H. DAVIS.

Witnesses:

T. D. DAVIS,

C. S. STANLEY.