(No Model.)

S. J. VAN STAVOREN.

CAR AXLE BOX PEDESTAL.

No. 527,089. Patented Oct. 9, 1894.

Fig. 1

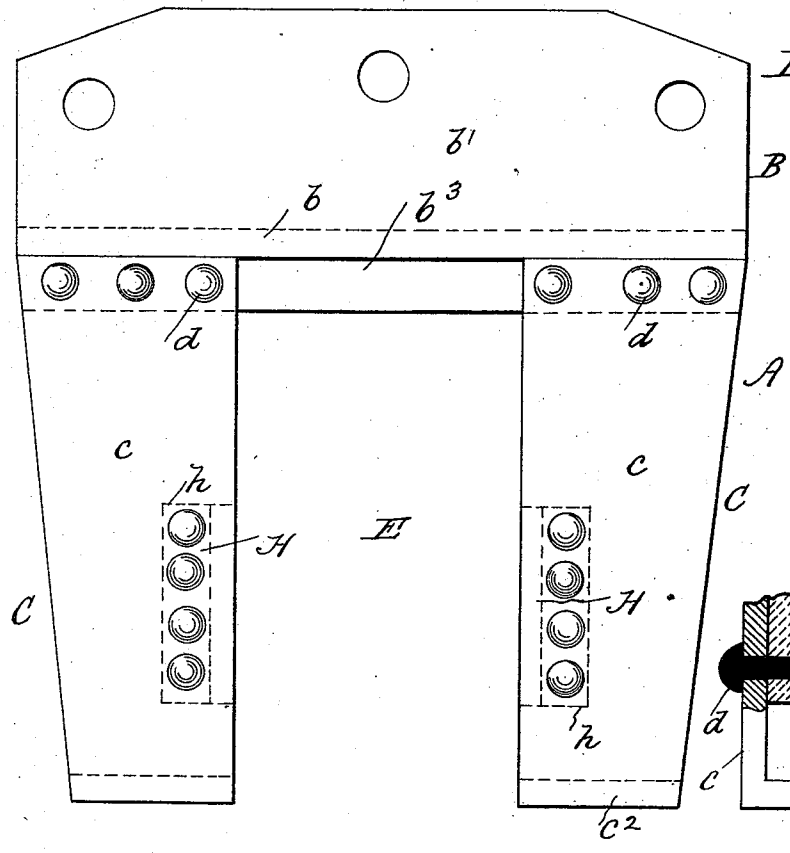


Fig. 3

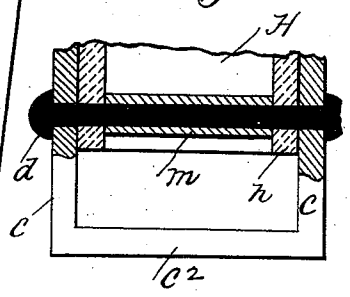


Fig. 2

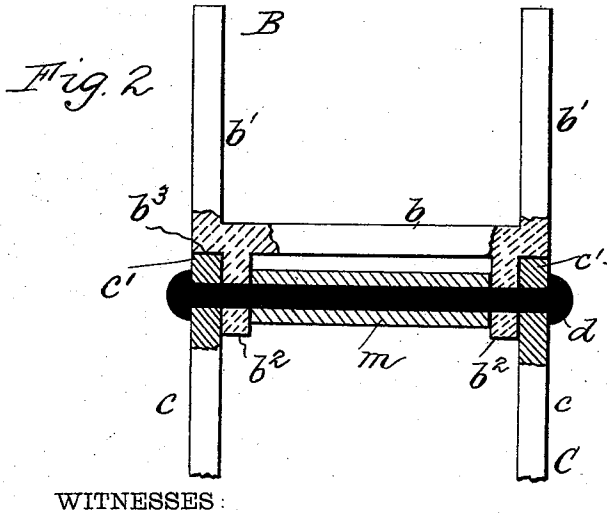
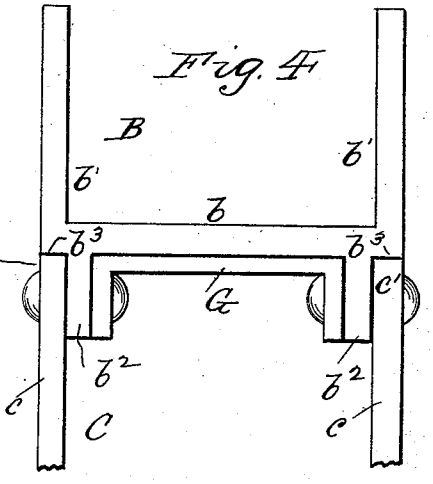


Fig. 4



WITNESSES:

Chas. F. Vanskoten

A. C. Expander

INVENTOR

Samuel J. VanStavoren

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

SAMUEL J. VAN STAVOREN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO CHARLES F. VAN HORN, OF SAME PLACE.

CAR-AXLE-BOX PEDESTAL.

SPECIFICATION forming part of Letters Patent No. 527,089, dated October 9, 1894.

Application filed February 8, 1894. Serial No. 499,564. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. VAN STAVOREN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Car-Axle-Box Pedestals; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to axle-box pedestals of the type wherein the component parts are made of wrought metal and riveted or otherwise secured together; and it has for its object simplicity and economy of construction of the component parts of the pedestal whereby the same may be readily and economically assembled and secured together.

My invention accordingly consists of the combinations, constructions and arrangements of parts as more fully set forth in the specification and pointed out in the claims.

Reference is had to the accompanying drawings, wherein—

Figure 1 is an elevation of an axle-box pedestal embodying my improvements. Fig. 2 is an end view partly sectional, of the upper part of the same. Fig. 3 is a like view of the lower part of the same, and Fig. 4 is an end view similar to Fig. 2 showing a modification in construction.

A represents the wrought axle box pedestal composed of an "H" shaped top-plate B having a bottom b with upwardly extending vertical sides b' b' and depending vertical sides b^2 b^2 made or cut from channel wrought metal bars of corresponding formation. The sides b^2 b^2 may be flush with the sides b b or the former may be in a different vertical plane from the latter. In the drawings the sides b^2 b^2 are shown setback from or beyond the sides b' b' as more plainly indicated in Figs. 2 and 3 so as to provide a ledge or off set b^3 for the reception of the upper ends c' c' of the sides c c of the ways or guides C C, which depend from said top-plate B as shown.

The ways or guides C C are made of "U" shaped sheet or wrought metal bars with parallel sides c c having open or free upper ends c' and a lower transverse connecting bar c^2. The upper ends c' of sides c c and the adjacent parts of the sides or flanges b^2 of plate B are provided with registering openings for the insertion of rivets or other fastening devices d for securing said parts together. Suitable transverse brackets H with edge flanges h are riveted or otherwise secured between the parallel sides c c of the ways or guides C C near their lower ends for strengthening the same and for providing additional bearing surface for the axle-boxes located in the space E between said guides or ways C C, which axle-box is not shown in the drawings as the same is well known.

In Fig. 4 an additional channel iron or metal plate G with edge flanges is secured between the sides b^2 b^2 for strengthening purposes but this may not be essential in all cases.

If desired short rivets may be used for securing the parts together as indicated more plainly in Fig. 4, but if desired long rivets with surrounding tubular ferrules or collars m may be used for fastening the parts together as more plainly indicated in Figs. 2 and 3, or if desired the component parts of the pedestal may be electrically welded together.

It is obvious that the details of construction may be varied without departing from the spirit of the invention.

What I claim is—

1. A wrought metal axle box having an "H" shaped top-plate with depending guides or ways C C secured thereto, substantially as set forth.

2. A wrought metal axle box having a top plate B with upper and lower vertical sides b' b' b^2 b^2 and "U" shaped guides or ways having sides c c with free or open upper ends secured to sides b^2 b^2 of plate B, substantially as set forth.

3. In a wrought metal axle-box the combination of a top-plate B and "U" shaped guides or ways secured to the top-plate, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

SAMUEL J. VAN STAVOREN.

Witnesses:

JOHN RODGERS,

A. C. ALEXANDER.