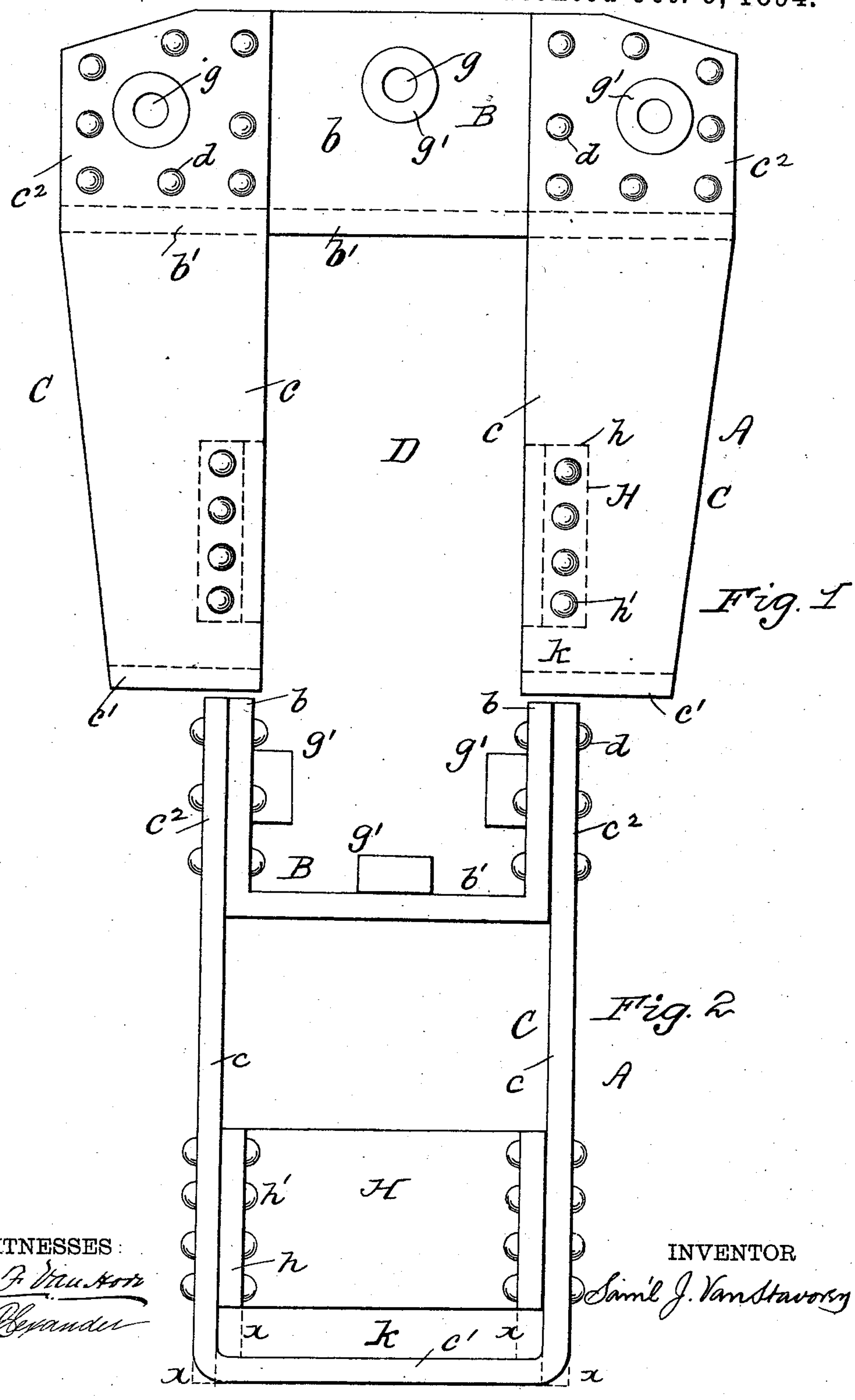
(No Model.)

S. J. VAN STAVOREN.

CAR AXLE BOX PEDESTAL.

No. 527,087 Patented Oct. 9, 1894.



WITNESSES:

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CAR-AXLE-BOX PEDESTAL.

SPECIFICATION forming part of Letters Patent No. 527,087, dated October 9, 1894.

Application filed February 8, 1894. Serial No. 499,562. (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 a front elevation of a pedestal embodying my invention, and Fig. 2 is an end view of the same.

A represents the pedestal composed of the wrought metal "U" shaped top plate B and separated depending ways or guides C with intervening space D in which is located the axle box; the same not being shown in the drawings as it is well known.

The plate B is made or cut from rolled "U" shaped metal or channel bars having vertical sides *b b* and bottom *b'*. The ways or guides C C are composed of strips of wrought metal each of which is shaped or formed to have parallel vertical sides *c c* bottom or lower ends *c'*. The upper ends c^2 of the sides *c* overlap the side *b* of the top-plate B and are provided with registering openings through which pass rivets or other fastening devices *d* for securing said parts together.

In the bottom and vertical sides of plate B are formed bolt openings *g* with inwardly projecting thimbles *g'* through which pass the bolt for securing the pedestals to the truck upper-chord or framing. The thimbles *g'* may be integral with the plate B, as shown in Fig. 2, or they may be made separate therefrom and inserted in the openings *g* as shown in Fig. 1.

H H are transverse bars or brackets having edge flanges *h* cut from channel or other suitably fashioned wrought metal bars having rivet or bolt openings which register with like openings in the sides *c* of ways or guides C adjacent to the space D and through, which openings, rivets or other suitable fastening devices *h'* are inserted to secure said brackets to the ways or guides C for strengthening their lower ends and for providing additional transverse bearing surfaces in the sides of space D for the axle-box located therein. These brackets H may be located above the bottom *c'* of the ways or guides C so as to leave spaces or openings *k* between the lower ends of said brackets and the top of bottom *c'* for the passage of lower-chord or other analogous fixture of the truck.

The pedestal may have any suitable conformation.

If desired the bottom *c'* instead of being integral with the sides *c c* of ways C C, may be separate therefrom and made or cut from channel or other suitably shaped wrought metal bars having edge flanges and be riveted or otherwise secured to the lower side of the side *c c*, as indicated by dotted lines *x x*.

If desired the component parts of the pedestal instead of being riveted or analogously secured together may be electrically welded together in which case all surfaces of the pedestal will be free from rivet or bolt heads.

What I claim is—

1. A wrought metal axle-box pedestal composed of a top-plate B having bottom *b'* and parallel sides *b b*, separated depending ways or guides, the upper ends of which overlap and are secured to the sides *b b* of plate B, substantially as set forth.

2. A wrought metal axle-box pedestal composed of a top plate B having bottom *b'* and parallel sides *b b*, separated depending ways

or guides, the upper ends of which overlap and are secured to the sides *b b* of plate B, and having transverse brackets or bars H joining the sides *c c* at their lower ends, substantially as set forth.

3. A wrought metal axle box pedestal composed of "U" shaped top plate B having bolt opening *g*, "U" shaped ways or guides C C with open upper ends secured to the sides of plate B, and having tranverse brackets or bars H, substantially as set forth.

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

SAMUEL J. VAN STAVOREN.

Witnesses:
JOHN RODGERS,
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