J. DEEBLE.

Vehicle Fifth-Wheel.

No. 210,675. Patented Dec. 10, 1878.

Fig. 1.

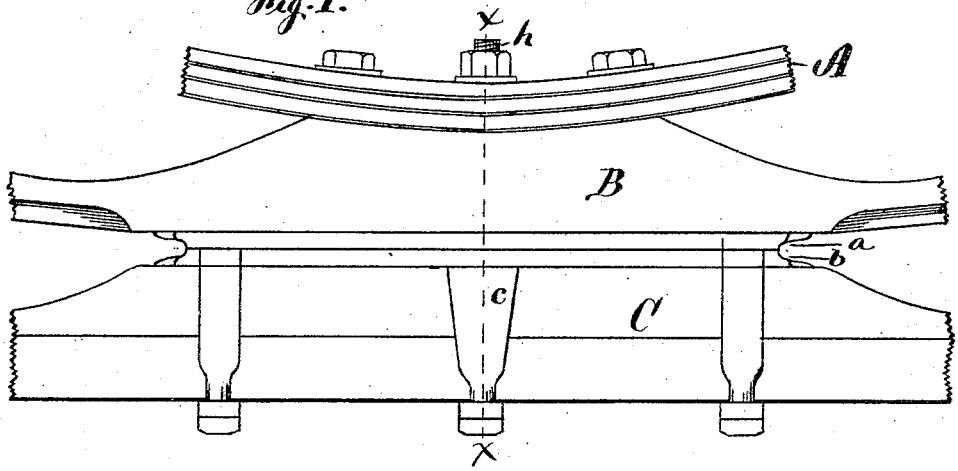
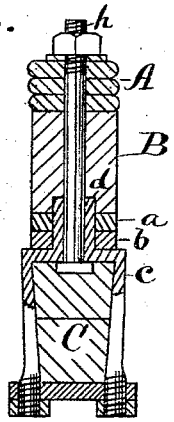


Fig. 2.



Witnesses.

P. J. Markley

Charles E. Mitchell

Inventor.

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By James Shepard Atty.

UNITED STATES PATENT OFFICE

JOHN DEEBLE, OF SOUTHINGTON, CONNECTICUT, ASSIGNOR OF ONE-HALF HIS RIGHT TO J. B. SAVAGE, OF SAME PLACE.

IMPROVEMENT IN VEHICLE FIFTH-WHEELS.

Specification forming part of Letters Patent No. **210,675**, dated December 10, 1878; application filed September 12, 1878.

To all whom it may concern:

Be it known that I, JOHN DEEBLE, of Southington, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in King-Bolts for Carriages, of which the following is a specification:

My invention consists of the clip, adapted to be placed over the axle and under the friction-plate secured to said axle, and having a hollow trunnion projecting upward a distance equal to the thickness of both friction-plates, in combination with the ordinary friction-plates and the king-bolt passing through said hollow trunnion, as hereinafter described.

In the accompanying drawing, Figure 1 is a front elevation of a fifth-wheel with a king-bolt which embodies my invention; and Fig. 2 is a vertical section of the same on line *x x* of Fig. 1.

My invention is designed for that class of fifth-wheels in which the longitudinal friction-plates between the axle and head-block bear directly one upon the other.

A designates a portion of the spring; B, the head-block; C, the axle, and *a b* the longitudinal friction-plates, all of which are substantially the same as the ordinary fifth-wheel of this class. *c* designates the king-bolt clip, adapted to be placed under the friction-plate *b*, over and surrounding the axle, and secured in the ordinary manner. On the upper side of this clip I form a circular projection or trunnion, *d*, of a length fully equal to the combined thickness of the plates *a b*, and of a diameter considerable larger than that of the ordinary king-bolt. The plates *a b* are bored out at the middle of their length to receive and fit the trunnion *d*, whereby they are journaled on said trunnion. This trunnion is made hollow or bored out on its axial line to receive the plain king-bolt *h*, the same passing through said trunnion, being separately constructed, and driven in so as to fit snugly before the clip is placed upon the axle. The head-block is held in place by a nut on the end of the king-bolt, as in ordinary king-bolts.

By my invention I produce a clip king-bolt for the class of fifth-wheel shown in a cheap and economical manner, and one which has an increased bearing-surface for the journals of the longitudinal friction-plates, which sustain the entire weight of the head-block, so that the clip, although narrow, will not be depressed into the wood of the axle.

I am aware that a king-bolt and clip made in one solid piece has been applied to this class of fifth-wheels, and also to fifth-wheels of a different class, and I hereby disclaim the same.

I am also aware that an elevated saddle-clip for king-bolt is old, the same having a socket in its upper end to receive a trunnion on the head-block, through which the king-bolt was passed; but said clip was not adapted to be placed over the axle and under a plate secured to said axle, but the entire weight of the head-block bore upon the clip. Said clip and king-bolt are hereby disclaimed.

I claim as my invention—

The king-bolt clip *c*, adapted to be placed over the axle and under the friction-plate secured to said axle, and having a hollow trunnion, *d*, projecting upward a distance equal to the thickness of both friction-plates, in combination with the ordinary friction-plates *a b* and the king-bolt *h*, passing through said hollow trunnion, substantially as described, and for the purpose specified.

JOHN DEEBLE.

Witnesses:
JAMES SHEPARD,
CHARLES DEEBLE.