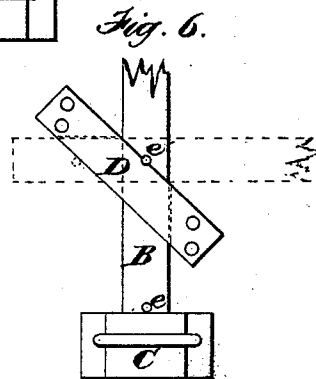
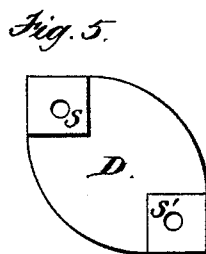
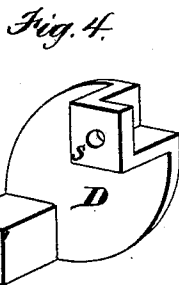
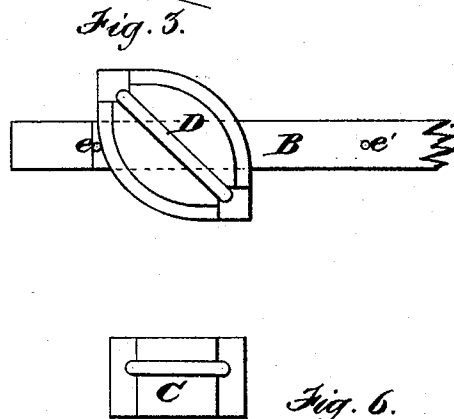
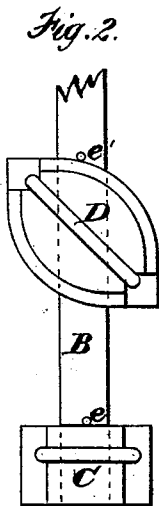
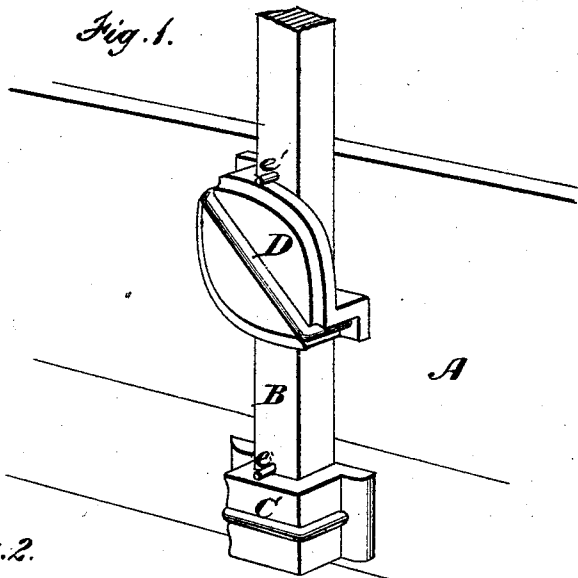


A. PENNEBACKER.
Car and Wagon Standards.

No. 152,408.

Patented June 23, 1874.



Witnesses.
C. H. Brown.
X. R. Ellsworth

Inventor.
A. Pennebacker.
by his Attys.
W. R. Ellsworth

UNITED STATES PATENT OFFICE.

ABRAHAM PENNEBACKER, OF READING, PENNSYLVANIA.

IMPROVEMENT IN CAR AND WAGON STANDARDS.

Specification forming part of Letters Patent No. **152,408**, dated June 23, 1874; application filed April 30, 1874.

To all whom it may concern:

Be it known that I, ABRAHAM PENNEBACKER, of Reading, in the county of Berks and State of Pennsylvania, have invented a new and Improved Car and Wagon Standard; and I do hereby declare the following to be a full and exact description of the same, reference being had to the accompanying drawings forming part of this specification, in which—

Figure 1 is a perspective view of my invention applied to a platform-car. Fig. 2 is a side elevation of the same, showing the standard in a vertical position. Fig. 3 is a similar view, showing the standard in a horizontal position. Fig. 4 is a perspective view. Fig. 5 is a side elevation of the diagonal socket, and Fig. 6 a modification of the same.

Similar letters of reference in the accompanying drawings denote the same parts.

This invention relates to improvements in standard or stake holders for platform-cars, wagons, &c.; and has for its object to provide for public use a standard-holder which shall combine cheapness and simplicity with strength, and which will allow the standard to be readily swung out of the way when so desired. To these ends the invention consists in the employment of a diagonal socket for the reception of a sliding car-standard, the socket being provided, on its inner face, with right-angular shoulders, a suitable socket or staple being also provided for the foot of the sliding standard, as hereinafter more fully set forth.

In the drawings, A represents the side of the car, wagon, or other object to which the standard is to be attached; and B represents the standard, which, when in a vertical position, is stepped in a socket, C. D is a diagonal strap or upper socket, so adjusted and adapted as to permit the standard to stand in a vertical position, as shown in Fig. 2, or to lie

in a horizontal position, as represented in Fig. 3. *e e'* are pins, which assist in supporting the weight of the standard when the latter is in a vertical position, and which operate to prevent it, when in a horizontal position, from becoming detached and lost, although a single pin and a chain, or other equivalent device, might be employed, in lieu of the two pins, for the purpose last referred to.

I construct the inner side of socket D with square shoulders *s s'*, so adjusted as to present flat bearing-surfaces to the sides of the standard in whatever position the latter may be.

In order to enable the upper pin *e'*, to contribute to the support of the sliding standard when in a vertical position, I make the upper edge of the socket D curved or elliptical in shape, which permits the standard to be turned to a horizontal position, and yet presents a flat bearing-surface, upon which the pin *e'* may rest when the standard is in a vertical position.

Both sockets may be secured in place by a strap or rod passing around them, and fastened, by a screw-nut, to the sides of the wagon. When the socket D is made in the form represented in Figs. 1, 2, 3, 4, 5 the shoulders *s s'* permit the formation of recesses at the ends of the socket, which accommodate the strap or rod that holds the socket in place, and thereby enable the socket to be very firmly and rigidly secured to its support.

I claim as my invention—

The sliding standard B, having pins *e e'*, in combination with the foot-socket C and diagonal socket D, having right-angular shoulders *s s'*, substantially as described, and for the purposes set forth.

ABRAHAM PENNEBACKER.

Witnesses:

JNO. G. L. BROWNELL,
F. M. BANKS.