

J. GRIMSTE.
Shoes for Wagon-Brakes.

Patented May 25, 1875.

No. 163,650.

Fig. 1.

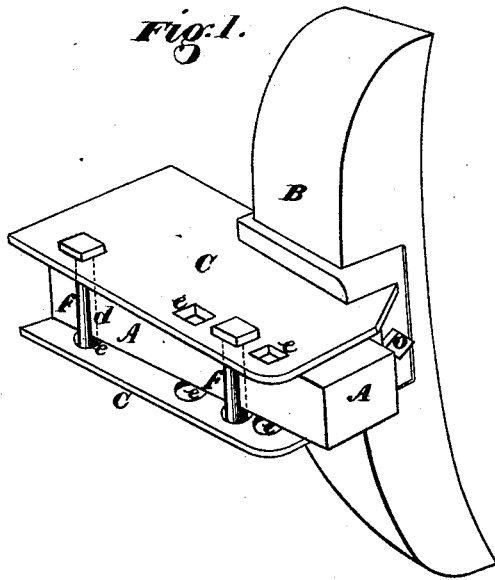
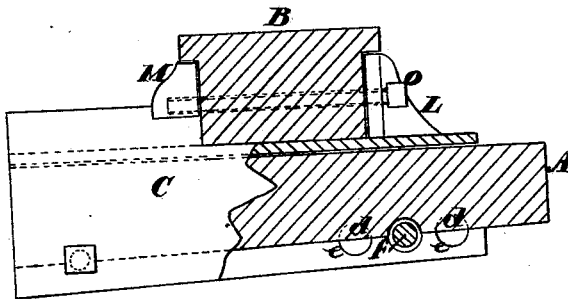


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN GRIMSTE, OF MILTON, CALIFORNIA.

IMPROVEMENT IN SHOES FOR WAGON-BRAKES.

Specification forming part of Letters Patent No. **163,650**, dated May 25, 1875; application filed March 17, 1875.

To all whom it may concern:

Be it known that I, JOHN GRIMSTE, of Milton, Calaveras county, State of California, have invented an Improved Wagon-Brake; and I do hereby declare the following description and accompanying drawings are sufficient to enable any person skilled in the art or science to which it most nearly appertains to make and use my said invention or improvement, without further invention or experiment.

My invention relates to an improved device for holding the shoe of a wagon-brake so that it can be readily attached to or detached from the brake-bar or adjusted upon it without cutting or otherwise weakening the bar.

Referring to the accompanying drawings, in which Figure 1 is a perspective view of my brake. Fig. 2 is a plan view with a portion broken away.

A is the brake bar or beam, to the ends of which the brake-shoes are attached.

By my invention, I first attach the brake-shoe B to a three-sided box, C, said box being of the proper size to slip on over the brake-bar and cover its upper edge and two sides while the lower edge of the bar is exposed. The sides of the box C extend below the lower edge of the brake-bar, and to secure the box to the bar, I make a transverse groove, *d*, across the lower edge of the bar near each end of the box, and in the lower edge of the sides of the box I make a hole, *e*, opposite the grooves, so that a pin or bolt, *f*, can be passed

through the holes *e* and lie in the groove *d*, thus confining the box in place.

Two or more pairs of holes, *e e*, can be made in the opposite sides of the box, so that the position of the shoe can be shifted by moving the box upon the bar so as to bring either pair of holes opposite the groove.

This shifting of the shoe is necessary when the wheel becomes dished, as it always does in winter-time, and my device permits me to shift it readily at any time, without trouble.

This arrangement for attaching brake-shoes to brake-bars is quite simple and obviates the mutilation and weakening of the brake-bar, while it permits the adjustment of the brake-shoe to the varying conditions of the wheel.

The shoe E can be attached to the box C by any convenient device, but I prefer to attach it by means of a fixed jaw, L, a movable jaw, M, and a screw *o*.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of brake-bar A, having grooves *d*, three-sided box C having holes *ee*, brake-shoe B, and bolts *ff*, substantially as and for the purpose set forth.

In witness whereof I hereunto set my hand and seal.

JOHN GRIMSTE. [L. S.]

Witnesses:

A. D. FOX,

J. G. POLLARD.