

(No Model.)

C. C. T. WILLSON.

DRAW BAR PIN AND FASTENER.

No. 343,653.

Patented June 15, 1886.

Fig. 1.

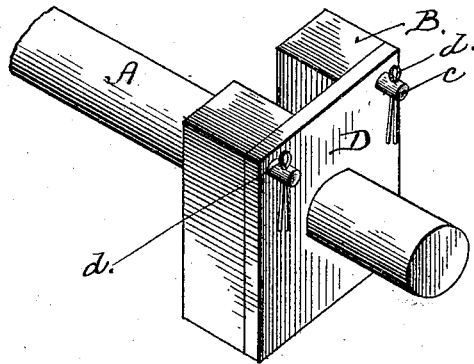


Fig. 2.

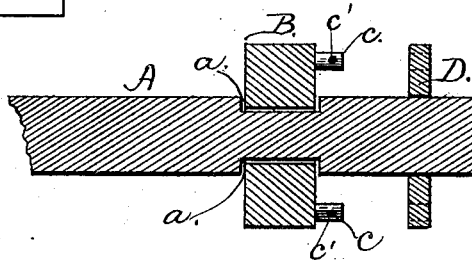


Fig. 3.

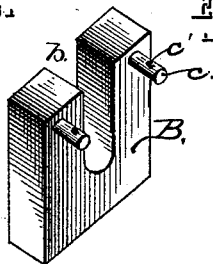
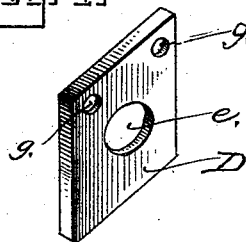


Fig. 4.



Witnesses
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By *His Attorney*
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UNITED STATES PATENT OFFICE.

CHARLES C. T. WILLSON, OF ALTOONA, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS TO WILLIAM K. CARR, OF SAME PLACE.

DRAW-BAR PIN AND FASTENER.

SPECIFICATION forming part of Letters Patent No. 343,653, dated June 15, 1886.

Application filed April 23, 1886. Serial No. 199,944. (No model.)

To all whom it may concern:

Be it known that I, CHARLES C. T. WILLSON, of Altoona, in the county of Blair and State of Pennsylvania, have invented certain new and useful Improvements in Draw-Bar Pin and Fastener; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My present invention has for its object to provide an improved draw-bar pin and means of fastening the same, whereby the operation of applying the draw-bar in position upon the truck-frame or its removal therefrom may be greatly facilitated and accomplished in the simplest and best possible manner; and my improvements consist, essentially, in the details of construction and general arrangement of parts, as will be hereinafter fully described, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents a perspective view of my complete invention; Fig. 2, a top plan view thereof, and Figs. 3 and 4 detail perspective views.

Similar letters of reference indicate like parts in the several figures.

It may be observed that draw-bar pins have heretofore been secured in position by means of a key or nut, which not unfrequently rust tight and cause the loss of much time and labor to remove.

In carrying out my improvements the sides of the draw-bar pin A, near its rear end, are formed or provided with notches or recesses *a*, which are adapted to fit within a correspondingly-shaped vertical socket, *b*, in the center of a metallic block, B, as shown. Upon the upper end of said block B are provided pins *c*—one on each side of the vertical recess or socket *b*—said pins being provided with central vertical openings, *c'*, for the reception therein of cotter-keys *d*, as fully shown in the drawings.

D represents a face-plate having a central opening, *e*, of a size sufficient to allow of its being readily slipped over the circumference of the pin A, and is also provided near its upper end with openings *g*—one on each side—for the reception of the pins *c* upon the block B.

In the operation of my invention the draw-bar pin A, when adjusted in its usual position, is locked in place by means of the metallic block B, being first adjusted in place within the grooves *a*, the face-plate D then pushed up against said block B, the pins *c* of which enter the openings *g* in the face-plate, and the parts locked together by the insertion of the cotter or split keys *d*.

It will be apparent without a more minute description that the application of the draw-bar pin in its proper position or of its removal therefrom may be accomplished in the very shortest time possible, and that the full strength of the draw-bar pin is secured by reason that the central slot or opening usually required, and which tends to weaken the pin at that point, is dispensed with in the present construction.

Having thus described my invention, I claim as new and useful—

1. A draw-bar pin and fastener consisting of the pin A, formed with notches *a*, the block B, formed with vertical socket *b* and pins *c*, the face-plate D, having central opening, *e*, and small openings *g*, and the keys *d*, substantially as and for the purpose specified.

2. The draw-bar pin A, provided with the notches *a*, in combination with the block B, having vertical socket *b* and pins *c*, the face-plate D, having central opening, *e*, and openings *g* and keys *d*, substantially as and for the purpose specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHARLES C. T. WILLSON.

Witnesses:

WM. S. HAMMOND,
J. K. PATTERSON.