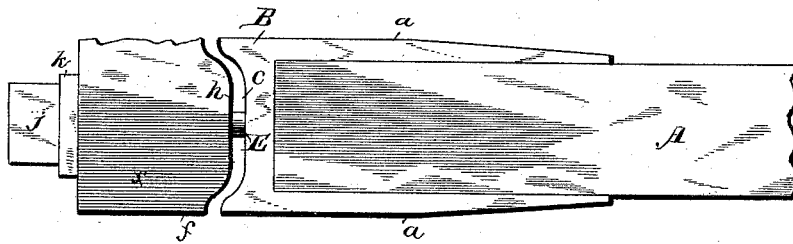
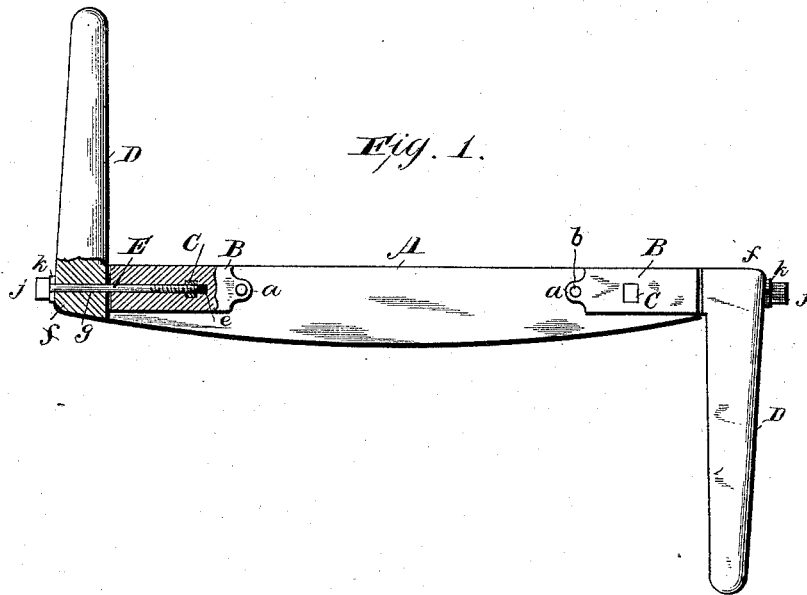


(No Model.)

J. A. CRITZER.
BOLSTER STANDARD FOR WAGONS.

No. 489,895.

Patented Jan. 10, 1893.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN A. CRITZER, OF WAYNESBOROUGH, VIRGINIA.

BOLSTER-STANDARD FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 489,895, dated January 10, 1893.

Application filed May 27, 1892. Serial No. 434,626. (No model.)

To all whom it may concern:

Be it known that I, JOHN A. CRITZER, a citizen of the United States, residing at Waynesborough, in the county of Augusta and State of Virginia, have invented certain new and useful Improvements in Wagons; 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 relates to certain new and useful improvements in wagons, the object of the invention being to provide a standard for wagons which may be securely locked in an upright position when it is to be used, and when desired (as in loading or unloading) allowed to hang down so as to be out of the way.

To the accomplishment of the above the invention consists of a standard provided at its lower end with an enlargement or hub, formed in one side with a suitable projection arranged to engage, when the standard is to be used, with a depression or cavity formed at the end of a plate or casting secured to the bolster of the wagon, the standard being pivotally mounted upon a bolt mounted in a longitudinal bore formed in the bolster, and engaging at its inner end with a screw threaded nut let into the bolster, all as will be fully described and specifically claimed, reference being had to the accompanying drawings, in which:

Figure 1, is a front view of a wagon bolster partly in section, showing attachments and standards, one standard being shown as held rigidly in an upright position ready for use, and the other as hanging down, and Fig. 2, a top plan of same, the bolster and standard being shown as broken away.

Like letters refer to like parts in both views.

In the drawings A, represents a wagon bolster which is of the usual configuration, and attached to the wagon in the usual manner.

B, represents a plate made of any suitable material preferably of metal, arranged to fit upon the end of the bolster (one plate for each end) such plate being provided with rearwardly extending arms *a, a*, arranged to inclose the bolster, and held to the bolster by means of suitable bolts *b*, as shown. On its outer face plate B, is formed with a depres-

sion *c*, which may be round or of any desired and suitable shape. The plate is also provided with a central opening, arranged to register, when the plate is in position with a longitudinal bore *e*, formed in the bolster, such passage extending from the end of the bolster inwardly a suitable distance.

C, represents a nut which is let into the bolster at a point near the rear end of the bore *e*, the opening in the nut when in position registering with such bore.

D, represents a wagon standard which is provided at its lower end with a hub *f*, bored transversely as shown at *g*, and formed on the face adjacent to plate B, with a projection *h*, similar in form to the depression formed in the outer face of such plate and arranged to register therewith. Standard D is mounted on a bolt E, passed through the opening *g*, such bolt arranged to pass through the opening in such plate and into the passage of the bolster, where its rear end which is screw threaded engages the nut C. At its outer end bolt E, is formed with a head *j*, of any suitable shape, between which and the hub of the standard I prefer to place a washer *k*, as shown.

The manner of applying the invention will be readily understood. When it is desired to use the standard, it is turned upon the bolt until it occupies an upright position as shown, at left in drawings; the bolt is then turned until the projection on the inner face of the hub of the standard is forced into the depression formed in the outer face of the plate, whereby the standard is securely locked in position. When it is not desired to use the standard, (as in loading and unloading) the bolt is turned to withdraw the pressure from against the hub of the standard which can then be slid upon such bolt sufficiently to disengage the projection and depression and allow the standard to fall to the position shown at the right of Fig. 1.

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

The combination with a wagon bolster, a plate B, with extension arms *a, a*, on the end of the bolster, the plate also provided with a depression *c*, on its face portion, and having a central opening communicating with a lon-

gitudinal bore in the bolster, and a nut seated
in said bore, of a standard having a hub *f*,
with a transverse bore *g*, and provided with
a projection *h*, adapted to fill the depression
5 of the bolster plate, and the bolt E, having a
head at one end, its opposite end being screw
threaded to engage the nut in the bore of the
bolster, substantially as specified.

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

JOHN A. ^{his} X CRITZER.
mark

Witnesses:

WM. PATRICK,
J. L. BECK.