

(No Model.)

J. B. RIPSOM.
STANDARD FOR WAGON BOLSTERS.

No. 500,429.

Patented June 27, 1893.

Fig. 1.

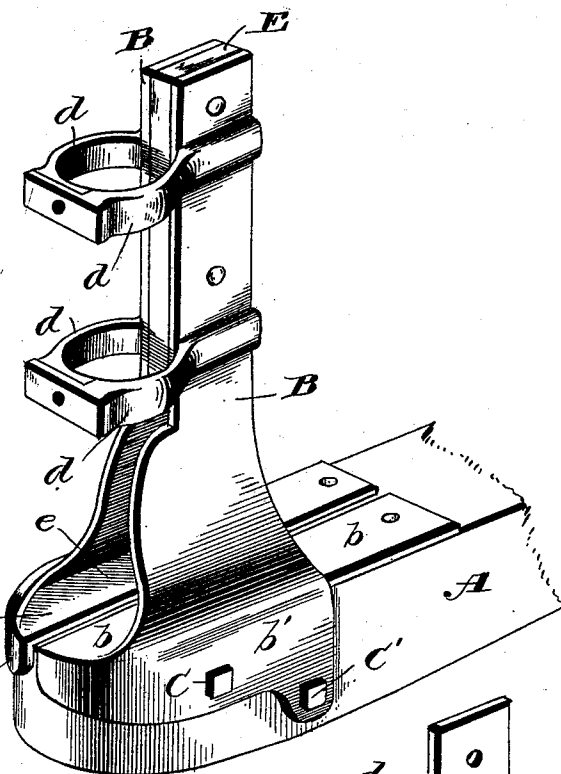
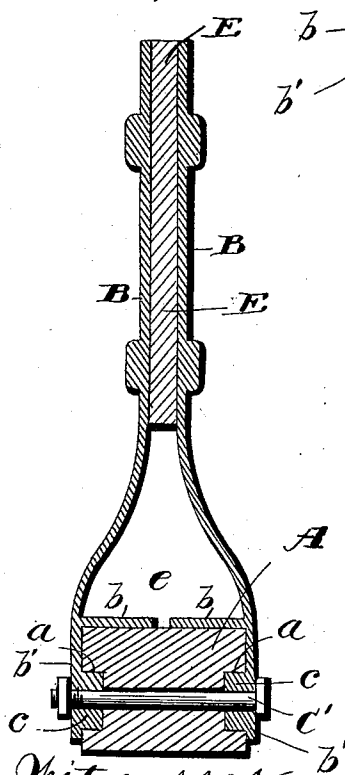
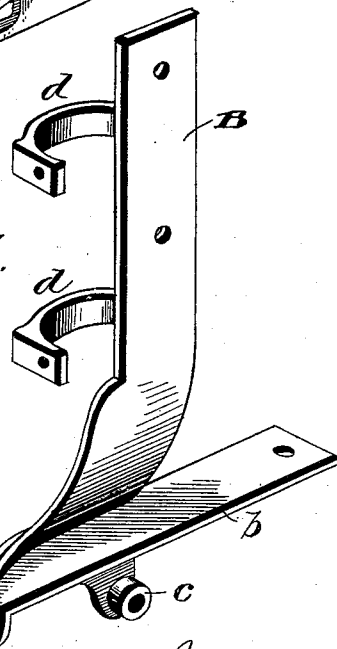


Fig. 2.



Witnesses
J. Williamson
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Fig. 3.



Inventor
Joseph B. Ripsom,
by Franklin D. Hough,
his Atty.

UNITED STATES PATENT OFFICE.

JOSEPH B. RIPSOM, OF ANTIGO, WISCONSIN.

STANDARD FOR WAGON-BOLSTERS.

SPECIFICATION forming part of Letters Patent No. 500,429, dated June 27, 1893.

Application filed February 6, 1893. Serial No. 461,084. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH B. RIPSOM, a citizen of the United States, residing at Antigo, in the county of Langlade and State of Wisconsin, have invented certain new and useful Improvements in Standards for Wagon-Bolsters; and I do 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to standards for wagon-bolsters and it has for its object the provision of a standard that among other features which will hereinafter appear, can always be rigidly held to the bolster notwithstanding any shrinkage of the latter.

To this end and to such others as the invention may pertain, the same consists in the standard having the construction substantially as hereinafter specified and claimed, and shown in the annexed drawings, in which—

Figure 1, is a perspective view of my standard applied to a bolster. Fig. 2, is a vertical section thereof. Fig. 3, is a detail perspective view of one section of my standard.

In practice the metal standard as ordinarily constructed has been found objectionable because of its becoming loose upon the shrinkage of the wooden bolster to which it is attached. To obviate this objection to the metallic standard I provide a standard that is divided vertically so as to form two substantially similar but reverse sections. The line of division besides being vertical is in the direction of the length of the bolster A. Each section comprises a thin, upright, straight main portion B, and a part at its lower end to fit over nearly one half the top and the side of the bolster end. Said part consists of a horizontal inwardly extending plate or flange *b* that rests on the top of the bolster end, and a vertical downwardly extending plate *b'* that conforms to the side of the bolster end. For securing the two sections to the bolster, I employ two bolts C and C' that pass through holes provided in the vertical side plate *b'* of each section, and holes in the bolster A. To

relieve the bolts of strain, I provide on each side plate *b'* an inwardly extending enlargement *c* that enters a recess or cavity *a* provided for it in the bolster side. These enlargements it will be seen, by bearing against the recess walls, take all of the strain which pressure upon the standard causes. Preferably these enlargements are placed so that one of the bolts passes through them.

Instead of providing loose rings for the usual stake I form integral with each main part B two half rings *d*, arranged one above the other, which, with the half rings on the other section B form the complete ring. The outer faces of said rings, are made straight, as shown, and of such length as to overlap each other. Through the overlapping portions holes are provided, as shown, for the use of suitable fastening means. It will be seen that the rings thus provided, being rigid are always in position for the ready insertion of a supplemental stake. Preferably, I do not fasten the two main sections B, B directly to each other, but interpose a strip of wood E. Rivets are used to fasten the latter and said sections together.

The strip of wood, E, does not extend by several inches down to the plates *b*, *b*, so that a clear space *e* is thus left below the strip. This space is widened laterally by curving the sections outward, as shown. Said space *e* is designed to accommodate the end of the spring which is at times used with heavy wagons.

In applying my standard to a bolster A, the latter should be of such width that the inner straight edges of the horizontal plates *b* will not touch. Any shrinkage which may subsequently take place and result in the loosening of the standard, can be remedied by simply tightening up the bolts C and C'.

Besides the compensation for shrinkage, my standard having a divided bolster-socket, is of value as compared with one having a solid socket to fit the bolster, as there exists no necessity for nicely adapting the bolster to the socket, since the latter in my case is capable of adaptation to the bolster.

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

1. A standard for bolsters, formed of two sections divided in a vertical plane and each having ring sections arranged to overlap, substantially as described.
- 5 2. A standard for bolsters formed of two sections divided in a vertical plane and having each ring sections which overlap the ring sections of the other, and the one formed with a shoulder to engage the end of the other substantially as described.
- 10 3. In combination with a bolster, a standard having side plates with inwardly extending projections engaging recesses in the bolster sides, and inwardly extending top flanges
- 15 4 and a bolt or bolts riveting the bolster and standard, substantially as described.
4. In combination with a bolster, the standard composed of two vertically divided sections, the vertical bolster engaging plate of each section, the inwardly extending enlargement on each plate entering a recess in the 20 bolster side, the securing bolt, the strip or filling between said sections, having below it a space, and the half rings on said sections overlapping each other and one having a 25 shoulder to engage the end of the other, as specified.

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

JOSEPH B. RIPSOM.

Witnesses:

IRWIN S. RICE,
O. P. WESSEL.