

(No Model.)

J. LARSEN.
WAGON STANDARD.

No. 418,033.

Patented Dec. 24, 1889.

Fig.1.

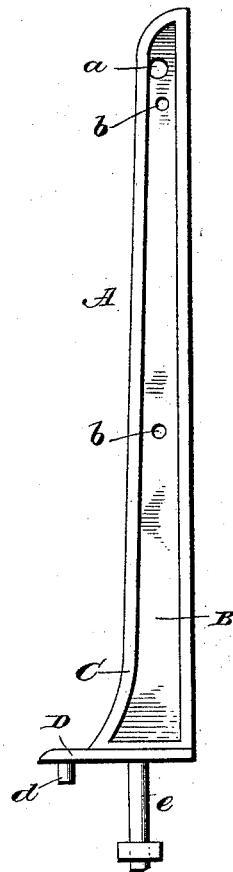


Fig.2.

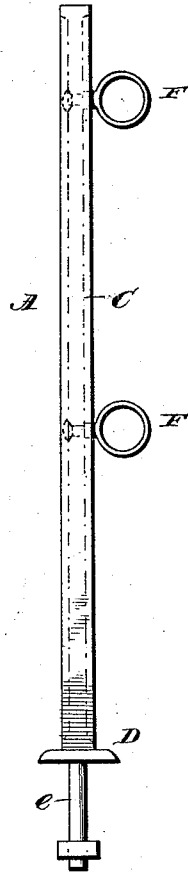
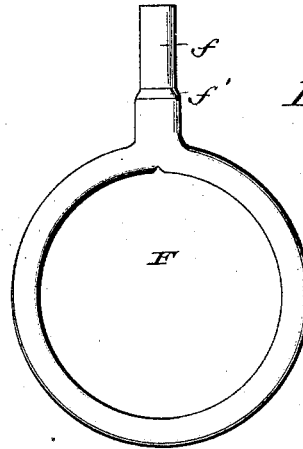
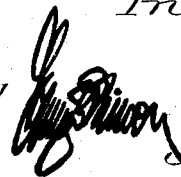


Fig.3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JAMES LARSEN, OF WILD ROSE, WISCONSIN.

WAGON-STANDARD.

SPECIFICATION forming part of Letters Patent No. 418,033, dated December 24, 1889.

Application filed October 10, 1889. Serial No. 326,569. (No model.)

To all whom it may concern:

Be it known that I, JAMES LARSEN, a citizen of the United States of America, residing at Wild Rose, in the county of Waushara and State of Wisconsin, have invented certain new and useful Improvements in Wagon-Standards; 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, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to certain new and useful improvements in metallic wagon-stakes; and it consists in the novel construction and combination of parts, as will be hereinafter fully set forth, and particularly pointed out in the claims.

In the accompanying drawings, Figure 1 is a side view of a wagon stake or standard constructed in accordance with my improvements. Fig. 2 is an end view, and Fig. 3 a detail view, of one of the rings.

In carrying out my invention the stake A is made of cast-iron, and is provided with a central portion B, which is surrounded or encompassed by a strengthening-flange C, which projects outwardly at right angles on each side of the upright portion B, as shown. The stake is formed integral with the supporting plate or base D, which is rounded at right angles thereto and has a depending lug *d* and longer depending portion *e*, the lower end of which is screw-threaded and provided with a nut for attaching the same to the wagon-bolster. The bolt *e* is adapted to be passed through a perforation in the bolster, while the depending lug fits into a recess in the upper portion thereof. The upper portion of the stake is provided with a perforation *a*, and at suitable intervals with openings or perforations *b b*, in which are secured shanks formed on the wrought or malleable iron rings F, said rings having a stem *f* with a shoulder *f'*. These rings are preferably made of malleable or wrought iron, so that the ends thereof can be upset to secure them within the perforations *b b* in the stake, and, if desirable, the perforations may be countersunk. It will

be particularly observed that these rings F are secured to the stake or bolster so that they will project sidewise or at right angles therefrom, and in this particular construction lies one of the essential features of my invention.

Heretofore it has been proposed, and is common in the construction of wagon-stakes, to provide pivoted rings or loops upon or adjacent to the outer edges of the stakes. This construction appears to me to be objectionable, for the reason that a properly-constructed stake has its outer edge inclined, and therefore when an additional stake is secured in the rings said stake will incline inwardly toward the wagon-body and will not be on a line with the inner edge of the stake. Therefore any extension-boards attached to the wagon-body cannot rest upon the upper edge of the ordinary side-boards, whereas with my construction an additional stake can be attached, which will be flush and on a line with the inner or straight side of the stake A.

The rings or loops, as they need not be circular, as shown, are attached to the stakes so they can turn upon their stems, which is desirable when they are used for securing a load to the wagon by ropes.

In the manufacture of the stake, heads may be formed on the outer ends of the shanks, said shank inserted in the molds so that the metal will flow around the shank and secure it in place without the expense of riveting or otherwise attaching the same to the web of the standard.

The standard may be constructed of malleable iron or other suitable material, and even of wood, without departing from the spirit of my invention, though when cost is considered I prefer to construct it as previously described.

I am aware that a metallic wagon-stake is old, and also that such stakes have been provided with either fixed or pivoted rings, and I do not claim such as my invention.

I claim—

1. The wagon-bolster stake having rings or loops provided integrally with rigid stems bearing and turning in the stake, so that said rings will extend or project from the side of the same to occupy either a horizontal or ver-

tical position, and so that a supplemental stake may be held by said rings to be on a line with the inner face of the main stake, substantially as set forth.

- 5 2. A metallic wagon-bolster stake consisting of a smooth side provided with vertical flanges, said web being provided with perforations *b*, rings or loops with stems *f*, said stems having shoulders *f'*, the stems being
10 adapted to be secured in the perforations so as to turn therein, and of such length as to

locate the rings at right angles with the sides of the stake beyond the flanges, so that an additional stake placed in the rings will be on a line with the inner edge of the main stake, substantially as shown. 15

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

JAMES LARSEN.

Witnesses:

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JNO. D. ROBERTS.