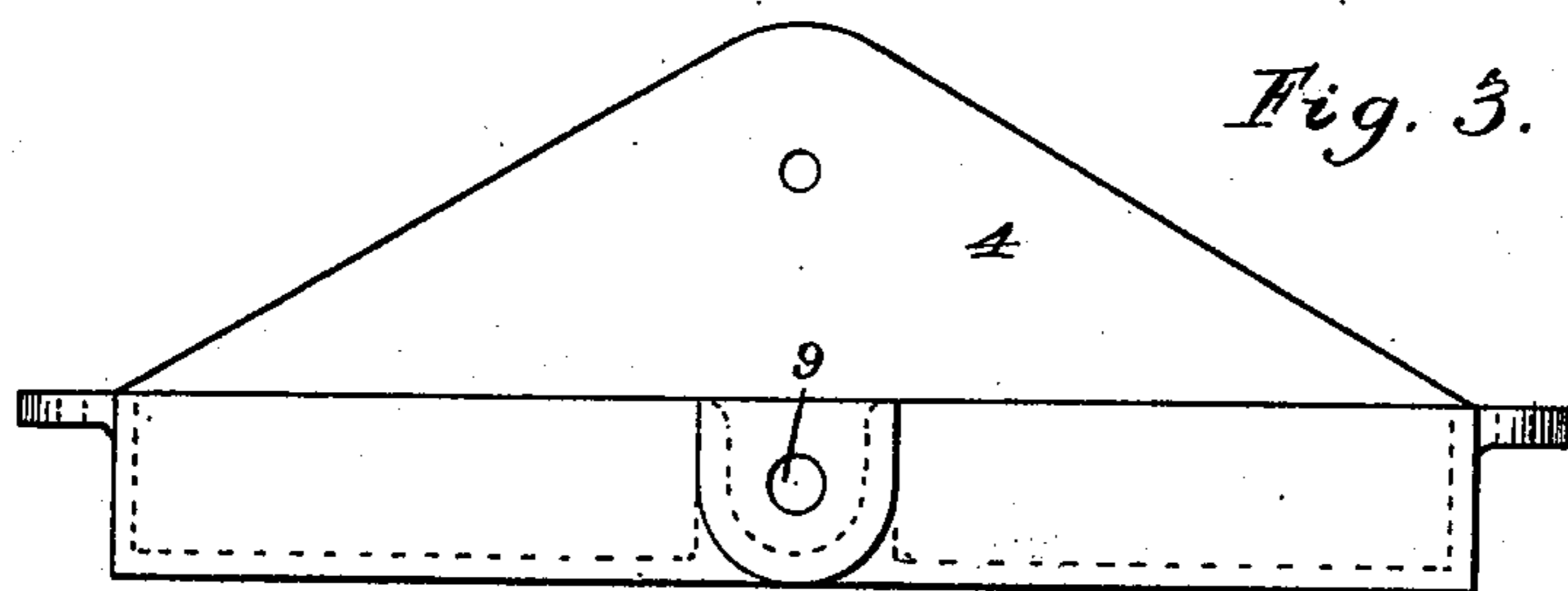
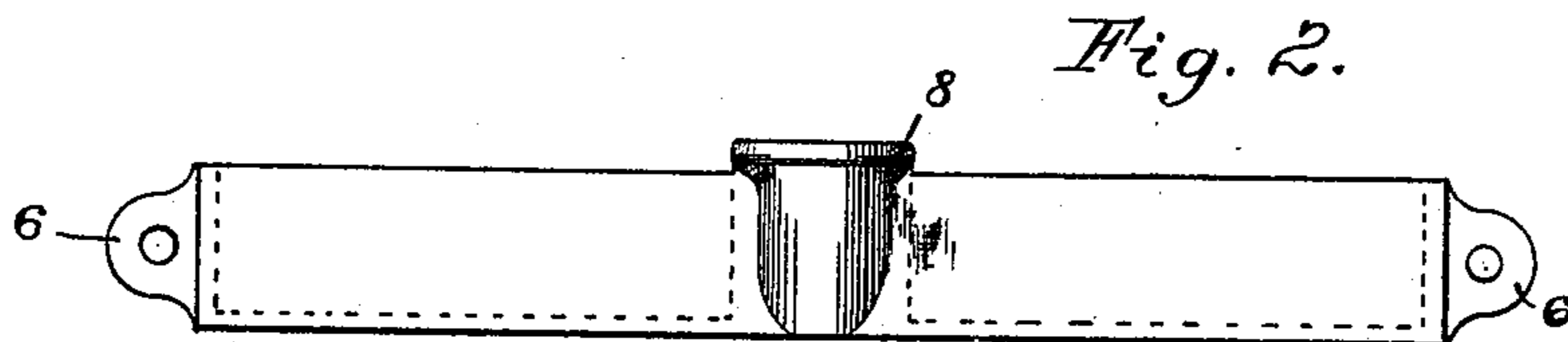
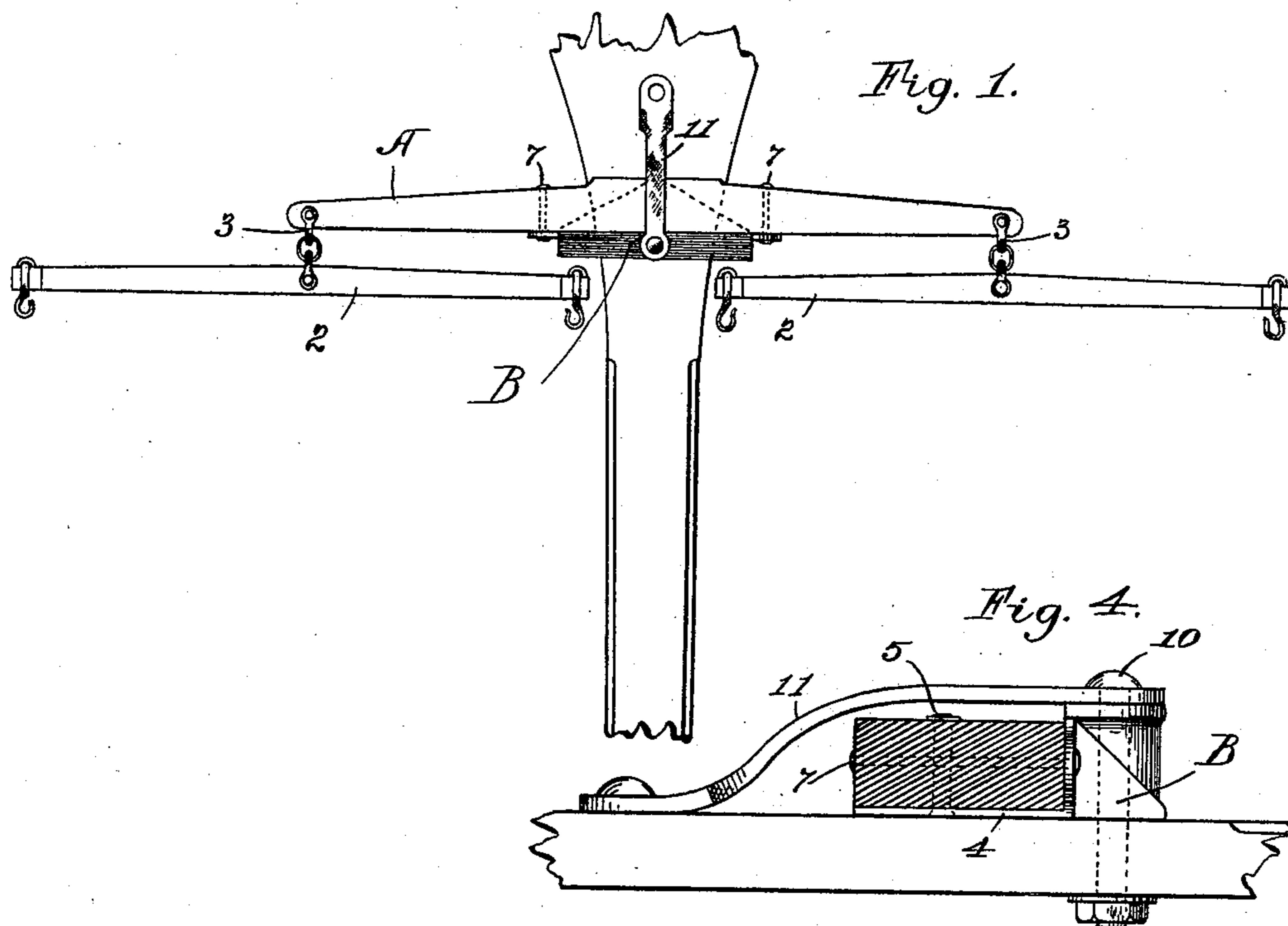


(No Model.)

N. M. HABBERSTAD.
SHOE FOR DOUBLETREES.

No. 594,870.

Patented Dec. 7, 1897.



Witnesses:

F. J. Bradbury.
A. S. Johnson.

Inventor:

Nicholas M. Habberstad
per: *T. D. W. W. W.*
Attorney.

UNITED STATES PATENT OFFICE.

NICHOLAS M. HABBERSTAD, OF ST. PAUL, MINNESOTA.

SHOE FOR DOUBLETREES.

SPECIFICATION forming part of Letters Patent No. 594,870, dated December 7, 1897.

Application filed April 18, 1895. Serial No. 546,230. (No model.)

To all whom it may concern:

Be it known that I, NICHOLAS M. HABBERSTAD, of St. Paul, Ramsey county, Minnesota, have invented certain Improvements in Evener-Shoes, of which the following is a specification.

My invention relates to improvements in attachments for eveners or doubletrees for wagons, its object being to provide a wear-iron for the front and bottom of the evener to prevent the wearing of the bottom of the evener or the chafing of the evener by the ends of the singletrees, the iron extending above the top of the evener, so as to serve as a bearing for the hammer-strap, and being provided with an opening through which the draft-pin or hammer passes.

To this end my invention consists in a wear-iron or shoe, preferably of angle-iron shape, so as to give the greatest amount of strength with the least amount of material, secured to the front of the evener and provided with a rearwardly-extending web or plate passing underneath the evener, through which securing rivets or bolts may be passed, the iron being also provided with lateral ears adapted to be riveted to the front of the evener. The device is formed, as shown, with a central boss, through which the draft-pin or hammer passes, the boss projecting slightly above the top of the evener and serving as a bearing for the hammer-strap. The iron or shoe preferably tapers rearwardly, so as to throw the ends of the singletrees aside when they swing back, thus preventing their locking.

My invention further consists in the construction and combination hereinafter particularly described and claimed.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of a portion of a wagon-tongue provided with an evener and singletrees of the ordinary construction and having my improved wear-iron attached thereto. Fig. 2 is a front elevation of my device. Fig. 3 is a top view of the same; and Fig. 4 is an end view of the same shown applied to the evener, the evener itself being shown in cross-section.

In the drawings, A represents a doubletree

or evener provided with the singletrees 2, of the ordinary construction, attached to the end of the evener by means of the clevises 3.

B represents my improved wear-iron, provided with the rearwardly-extending web or projection 4, passing underneath the evener and being riveted thereto by means of the rivet 5, the shoe being further secured in place by means of the laterally-projecting ears 6, secured to the evener by the rivets 7.

The device is preferably made of angle-iron inclined rearwardly toward the top, so that the ends of the whiffle or single trees as they swing back will be thrown above the evener to prevent their locking.

In the center of the shoe is formed the boss 8, having the hole 9, through which the draft-pin 10 passes. This boss projects slightly above the top of the evener, furnishing a bearing for the hammer-strap 11, thus preventing its wearing the evener.

I claim—

1. In combination with an evener, a wear-iron therefor adapted to be secured upon the front of the evener, and having a horizontal plate portion serving as a bed for the evener, the boss having a vertical opening to receive a draft-pin, and being of slightly-greater height than the evener, so as to furnish a bearing for the hammer-strap, and the bevel-face on each side of said boss to deflect the ends of the connected whiffletrees.

2. The combination with the evener and whiffletrees, of the wear-iron for said evener adapted to be secured upon the front thereof, and having a rearwardly-extended horizontal web serving as a bed for said wear-iron having a draft-pin hole in front of said evener so as to furnish a bearing for the hammer-strap, the face of said wear-iron being beveled on each side of the draft-pin hole, so as to deflect the ends of the whiffletrees when brought into contact therewith.

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

NICHOLAS M. HABBERSTAD.

Witnesses:

H. S. JOHNSON,

MINNIE L. THAUWALD.