

(No Model.)

S. A. THOMAS.
CENTER FOR NECK YOKES.

No. 433,831.

Patented Aug. 5, 1890.

Fig. 1.

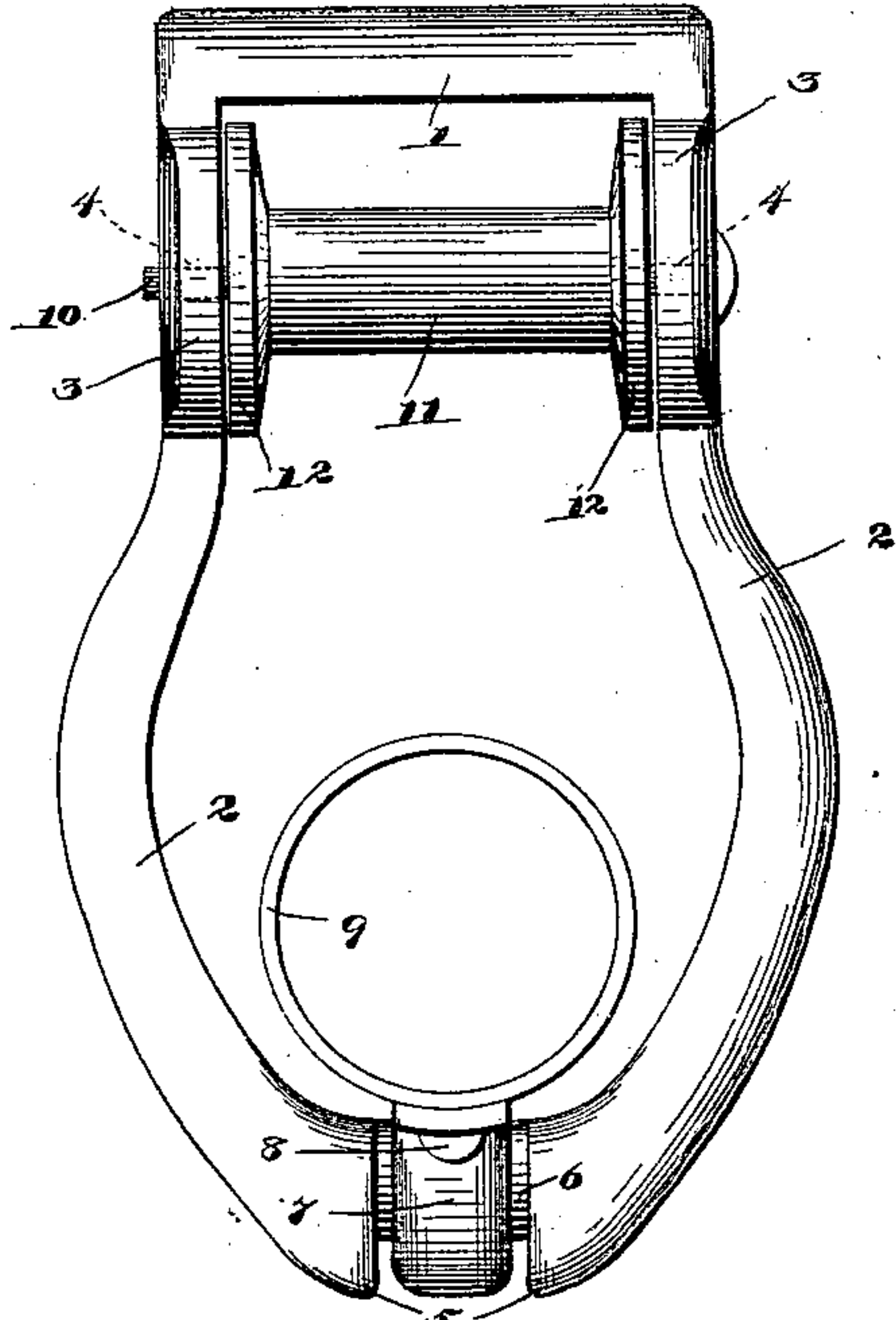
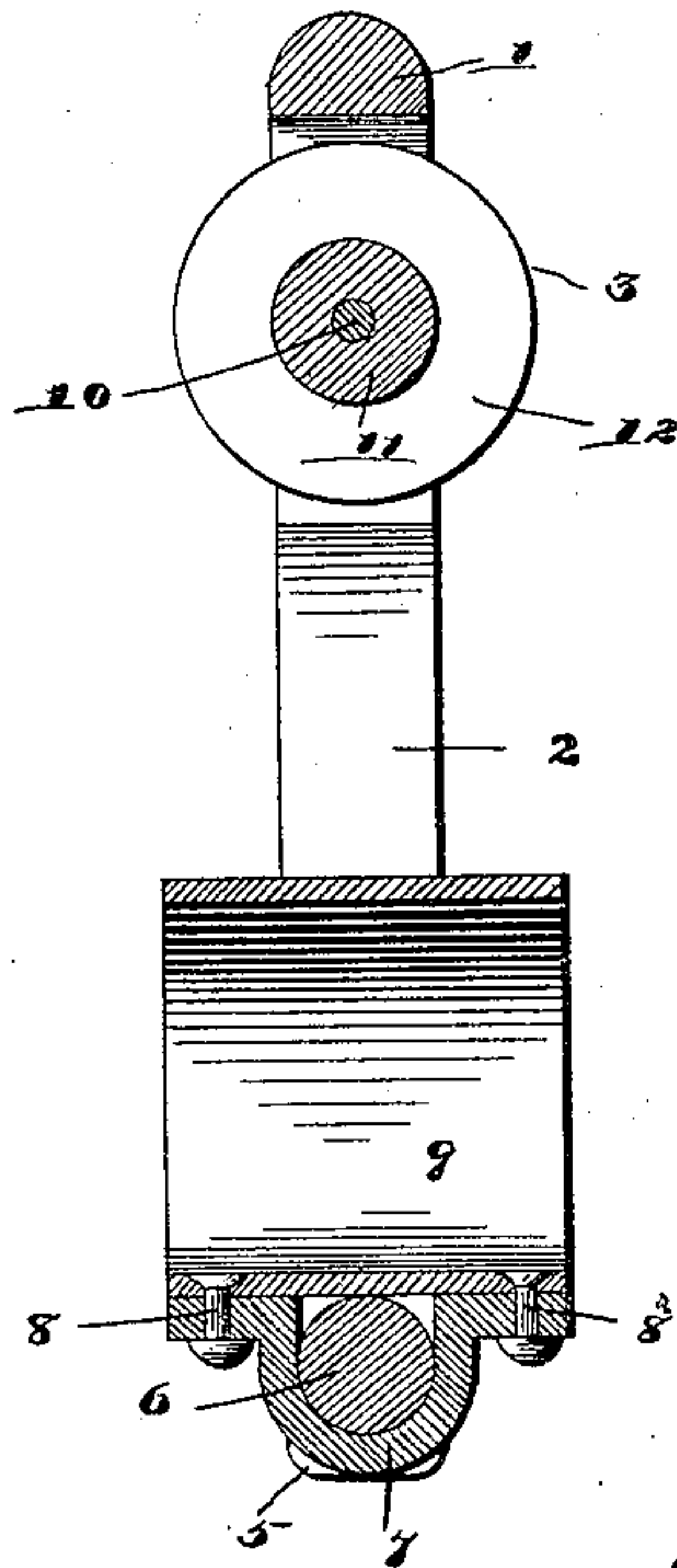


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

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CENTER FOR NECK-YOKES.

SPECIFICATION forming part of Letters Patent No. 433,831, dated August 5, 1890.

Application filed February 28, 1890. Serial No. 342,069. (No model.)

To all whom it may concern:

Be it known that I, SIMEON A. THOMAS, a citizen of the United States, residing at Bingham, in the county of Page and State of Iowa, have invented a new and useful Center for Neck-Yokes, of which the following is a specification.

This invention has relation to centers for neck-yokes; and among the objects in view are to provide a center so constructed as to obviate any wear of the edges of the hame-straps against the sides of the centering device, to arrange the pole-receiving ring in such a manner as to prevent its displacement by reason of any undue wobbling of the pole as caused by moving over rough ground, and withal to provide an exceedingly cheap, strong, and durable device.

With these main objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claim.

Referring to the drawings, Figure 1 is an elevation of a neck-yoke center constructed in accordance with my invention. Fig. 2 is a vertical central section of the same.

Like numerals of reference indicate like parts in both the figures of the drawings.

The clevis or centering-ring is formed of a single piece of metal, and consists of an upper transverse bar 1 and depending side bars 2. The side bars 2 depend straight for a portion of their length, and below the cross-bar 1 are provided with enlarged circular portions 3, in which there are formed bearing-openings 4. From this point down the sides 2 are curved, the lower portion converging and provided at opposite sides of its vertical center with shoulders 5 and intermediate the shoulders with a reduced cylindrical portion 6. The cylindrical portion 6 between the shoulders is embraced by an inverted-U-shaped clip 7, the terminals of which are outwardly disposed and perforated and connected by rivets 8 with the pole-ring 9, which latter is of the usual construction. The side of the clip, when compared with the reduced portion 6, is such as to permit of an oscilla-

tory movement of the pole-ring and clip upon the reduced portion, so that any forward and rearward movement of the pole, as caused by the machine to which it is attached ascending or descending hillocks or meeting other obstructions of the road, will be permissible without directing such agitation of the pole to the animal's neck.

A transverse shaft 10 is inserted in the bearing-openings 4 of the center-ring, and upon the same, between the circular portions 3, there is mounted a hame-strap-receiving spool 11, provided at its opposite ends with circular flanges or heads 12.

I am aware that it is not new to provide neck-yoke centering-rings with rollers; but by reason of the opposite flanges the edges of the straps are prevented from contact with the sides of the metal ring, and therefore the injury usually occurring by reason of the constant wear of the straps is avoided.

Having thus described my invention, what I claim is—

The herein-described centering-ring for neck-yokes, the same consisting of the opposite curved sides 2, meeting at their lower ends and connected at their upper ends by the cross-bar 1, and near said cross-bar provided with the enlarged circular portions 3, centrally perforated, and the lower end of the ring being centrally reduced, as at 6, and provided with opposite shoulders 5, the bolt 10, passed through the perforations, the spool having opposite annular end flanges mounted upon the bolt, the clip 7, embracing the under side of the reduced portion, the pole-ring 9, mounted above the reduced portion, and the rivets 8, passing through the terminals of the clip and the pole-ring, substantially as specified.

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

SIMEON A. THOMAS.

Witnesses:

ARTHUR S. LAKE,
F. A. WILLIAMSON.