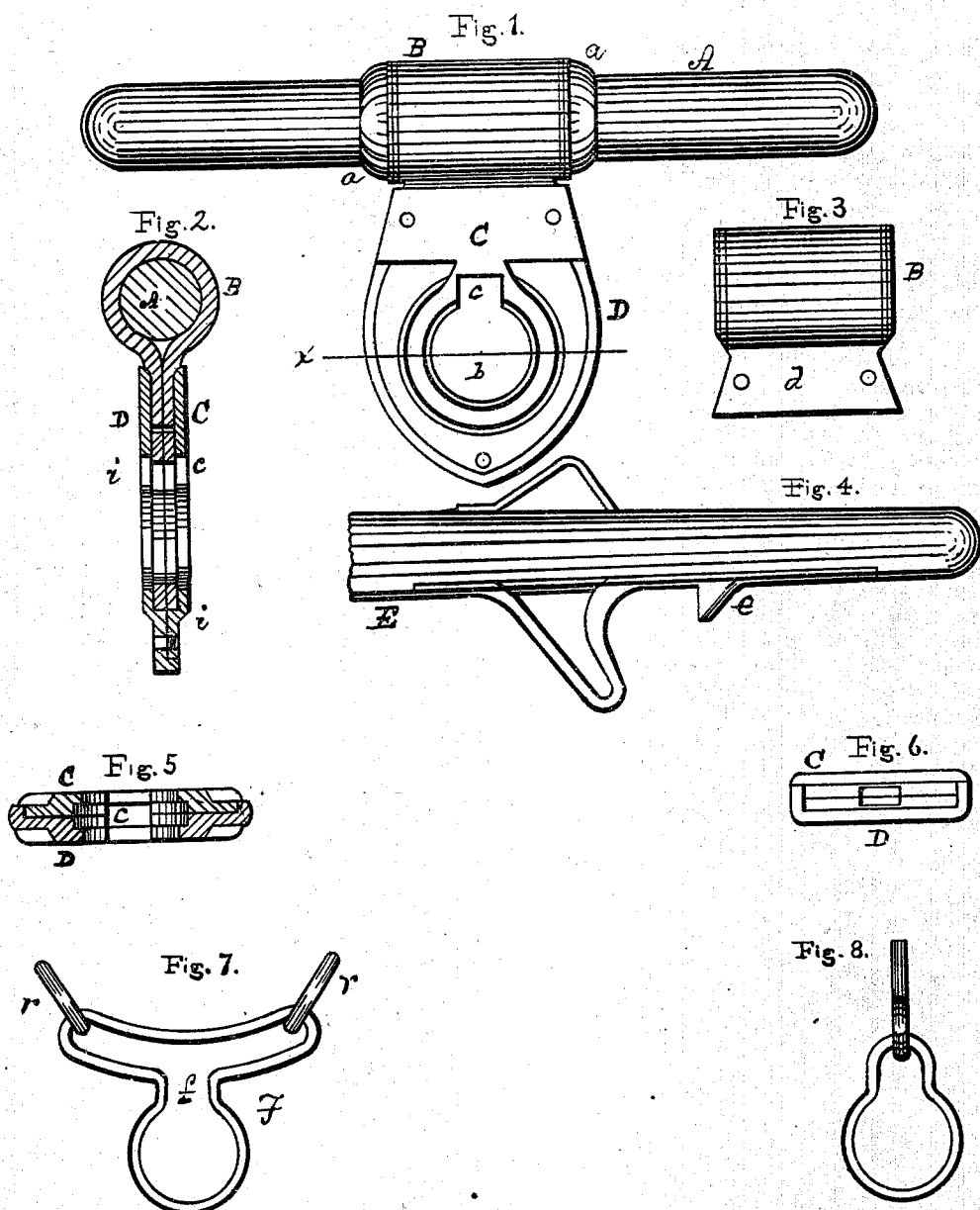


C. R. MOON.  
Neck-Yokes.

No. 146,772.

Patented Jan. 27, 1874.



Witnesses:

Wm. Bond.  
C. S. Bond

Inventor:

Chas R. Moon  
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# UNITED STATES PATENT OFFICE.

CHARLES R. MOON, OF WOLCOTTVILLE, INDIANA.

## IMPROVEMENT IN NECK-YOKES.

Specification forming part of Letters Patent No. **146,772**, dated January 27, 1874; application filed June 10, 1873.

*To all whom it may concern:*

Be it known that I, CHARLES R. MOON, of Wolcottville, in the county of La Grange and State of Indiana, have invented a new and useful Improvement in Neck-Yokes, of which the following is a full description, reference being had to the accompanying drawings, in which—

Figure 1 is a rear elevation; Fig. 2, a vertical cross-section; Fig. 3, a detail. Fig. 4 represents the end of a carriage-tongue to be used with my neck-yoke; Fig. 5, a section, on line *xx* of Fig. 1; Fig. 6, an end view of the parts C D, and Figs. 7 and 8 variations.

My invention, as represented in Figs. 1 to 6 inclusive, is designed chiefly to be used with carriages. It is customary to provide the neck-yoke with a piece of leather having a hole through it to receive the pole, which leather soon becomes worn and unfit for use. The chief object of my invention is to provide the neck-yoke with a durable substitute for this leather, so constructed as, in connection with suitable devices upon the pole, to operate as a safety hold-back. I also adapt this invention for use upon heavy wagons.

In the drawings, A represents the neck-yoke proper, which is made of wood, as usual; B, a piece of leather encircling A, the ends *d* of which are suitably secured between two metal plates, C D, which have a hole through the center to receive the pole. *c* is a slot or recess for the purpose of permitting the plates to pass over the iron *e* on the end of the pole E, Fig. 4. Between the plates C D, and encircling the hole *b*, I place leather washers *i* to prevent noise. The form of the ends *d* of the leather B is represented in Fig. 3, and between the plates C D, at the upper part, is a space or recess adapted to receive the ends of the leather B. These plates and this leather B are held together and in position by screws or rivets. As represented, a greater portion of the plate C fits within the plate D, but the upper part thereof laps over D. This particular form of construction need not be adhered to. Upon the end of the tongue

E are placed the ordinary irons, and in addition thereto a lug, *e*, corresponding with the slot *c* in the plates C D. The leather B, having been secured between the plates C D, as described, can be slipped over the end of the neck-yoke A and brought to the center thereof, and there held in position by means of metal ring *a a*, shrunk upon the neck-yoke. The slot *c* permits the plates C D to pass over the lug *e* on the pole, and when in use, this slot being at the upper side of the pole, the same cannot be accidentally withdrawn from the plates C D.

As neck-yokes and poles have hitherto been constructed, accidents frequently happen when a tug unhooks, or the evener breaks or becomes disconnected from the pole, the latter being withdrawn from the neck-yoke and falling to the ground. If my invention be used this can never happen, the lug *e* preventing the accidental withdrawal of the pole.

The plates C D may of cast metal, or they may be stamped from sheet metal.

I do not limit myself to the precise construction of these plates shown and described. Any metal plates adapted to receive the leather B, having a hole to receive the pole, and a slot or recess for the passage of the lug *e* upon the pole, will accomplish the object of my invention.

For heavy wagons, a device, as represented by F, Fig. 7, may be used, the opening *f* therein corresponding with the slot *c* above described.

This device can be secured to the neck-yoke by means of the rings *r* and staples.

Another form, which might be used, is represented in Fig. 8.

What I claim as new is as follows:

The safety holdback attached to the middle of the neck-yoke, and consisting of the parts B C D, having slot *c*, in combination with the pole E, having projection *e*, all constructed and combined as and for the purpose specified.

CHARLES R. MOON.

Witnesses:

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