(No Model.)

J. G. BURBRIDGE.

NECK YOKE.

No. 457,422. Patented Aug. 11, 1891.

Fig. 1.

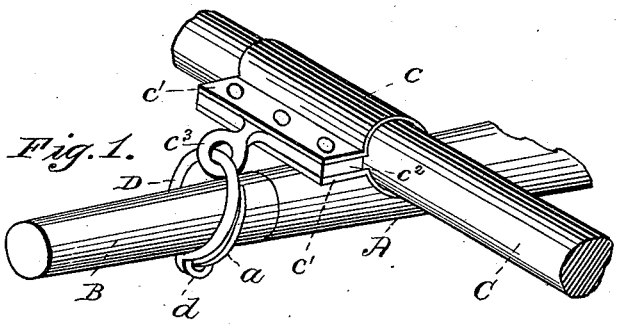


Fig. 2.

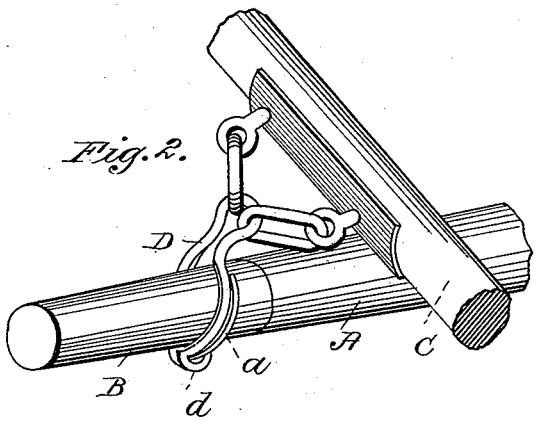


Fig. 3.

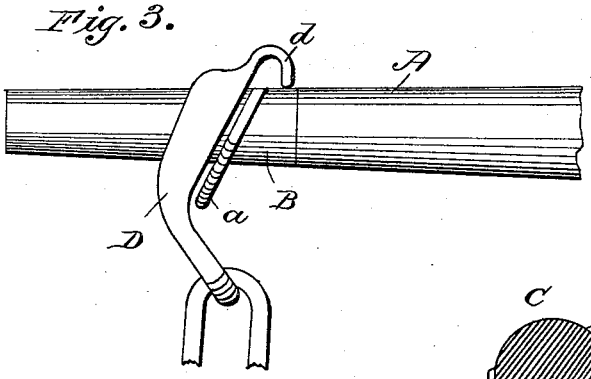
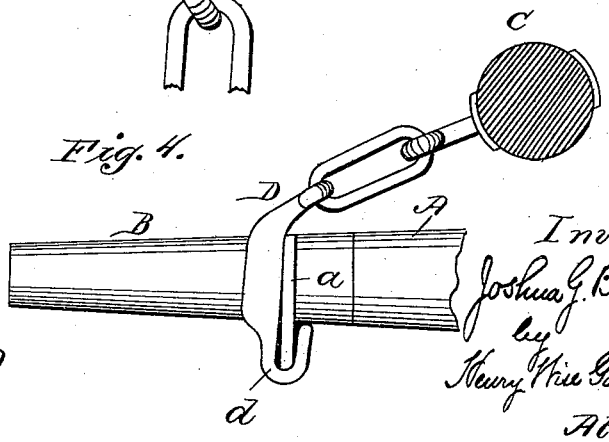


Fig. 4.



Witnesses
M. B. Harris
Wm. H. Brereton

Inventor
Joshua G. Burbridge
by
Henry Wise Garnett.
Attorney

UNITED STATES PATENT OFFICE.

JOSHUA G. BURBRIDGE, OF DUBUQUE, IOWA.

NECK-YOKE.

SPECIFICATION forming part of Letters Patent No. 457,422, dated August 11, 1891.

Application filed July 23, 1890. Serial No. 359,588. (No model.)

To all whom it may concern:

Be it known that I, JOSHUA G. BURBRIDGE, a citizen of the United States, formerly of Neola, Iowa, but now residing at Dubuque, in the county of Dubuque and State of Iowa, have invented certain new and useful Improvements in Neck-Yokes; 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.

My invention relates to improvements in neck-yokes; and my said invention consists in certain novel details of construction and operation of the several parts composing the same, as will be hereinafter more specifically described in the specification, and pointed out in the annexed claim.

The object of my invention is to provide a simple connection for locking the yoke to the poles of vehicles to prevent the accidental disengagement of the yoke from the pole when the same is in use, that will be cheap, durable, and effective, and which may be readily manipulated; and to this end I proceed as follows, reference being had to the accompanying drawings, forming a part hereof, and in which drawings—

Figures 1 and 2 represent views in perspective and partial section of a neck-yoke constructed according to my invention, the parts of the same being shown as in their locked or usual position when in use, and Fig. 3 is a similar view showing the parts as in their respective positions when being unlocked to enable the yoke to be removed from the pole. Fig. 4 is a modification.

The letter A indicates the pole, and B the tip thereof, which tip has a flange *a*, that is placed at an angle relative to said pole-tip and is made eccentric therewith or with a wide portion at the under side of the tip that gradually tapers to nothing at the top of said tip, for the purposes as will presently appear.

C indicates the yoke, to which is secured by a band *c* that encircles the yoke and has secured between its projecting edges *c'* a plate c^2, formed at its center into an eye c^3, a loop D, that is adapted to fit upon the pole-tip and rest against the flange *a*, and this loop has at its lower extremity a hook *d*, that when the parts are in position, as in Figs. 1 and 2, engages beneath the flange *a* of the pole-tip and retains the yoke in position on the pole.

Any other suitable means for attachment of the hooked loop to the yoke may be employed in place of that shown in Fig. 1—such, for instance, that shown in Fig. 2, where two links are used in connection with the hooked loop, the links being connected to eyes that are secured to the yoke.

To disengage the yoke from the pole, the yoke is simply swung round, so as to bring the hook of the loop upon the top of the pole-tip coincident with the narrow portion of the flange upon said tip, at which point the hook will be out of engagement with the flange and permit the removal of the yoke, as shown in Fig. 3.

Instead of having the flange of the pole-tip at an acute angle, as shown in Figs. 1, 2, and 3, such flange may be at right angles to said pole-tip, as shown in Fig. 4; but the construction in Fig. 1 is preferred.

It will be noted that both the link connection of the hooked loop to the yoke shown in Fig. 2 and the direct connection of said loop with an eye fixed to the yoke permit of a free lateral as well as vertical movement of the yoke with reference to said hooked loop, such a swivel connection being essential to the successful working of the parts.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

In a neck-yoke, in combination with the pole-tip with flange, the loop fitting upon the pole-tip formed at its lower extremity into a hook that engages the flange of the pole-tip and at its top into a loop, with a loose flexible connection substantially such as described, between the loop and the yoke, for the purposes specified.

J. G. BURBRIDGE.

Witnesses:
JOHN LINDT,
C. WESLEY.