

A. A. OGDEN.
 NECK YOKE ATTACHMENT.
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Fig. 1.

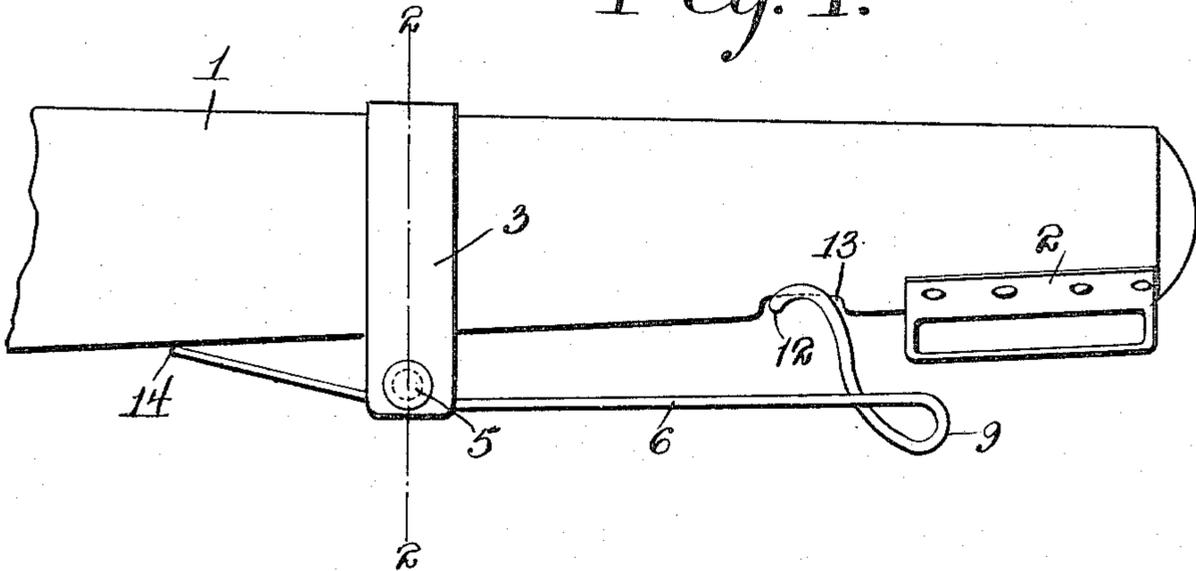


Fig. 2.

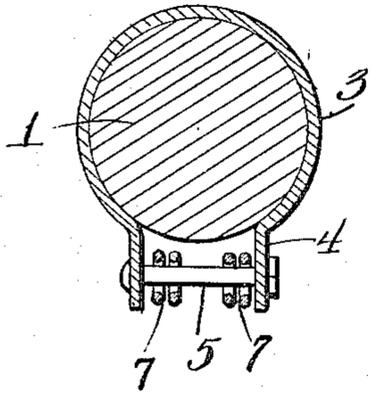
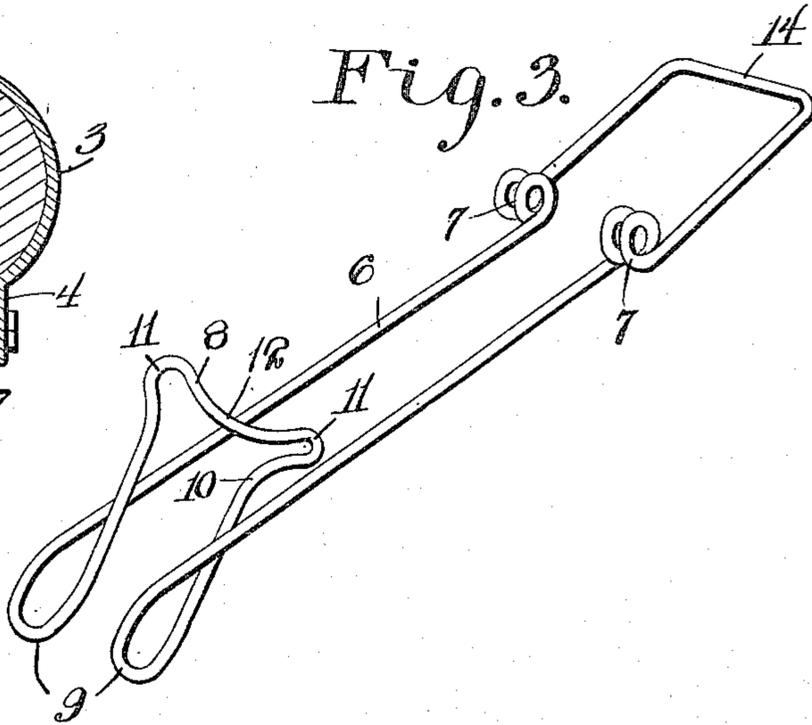


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

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NECK-YOKE ATTACHMENT.

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To all whom it may concern:

Be it known that I, ALLEN A. OGDEN, citizen of the United States, residing at Wolbach, in the county of Greeley and State of Nebraska, have invented certain new and useful Improvements in Neck-Yoke Attachments, of which the following is a specification.

This invention relates to an improved neck-yoke and more particularly to an attachment therefor.

The primary object of the invention contemplates the provision of novel and peculiar means in the nature of a spring fastening device whereby the pole-strap may be securely fastened to the neck-yoke of a buggy or other vehicle.

A further object of the invention resides in the provision of a fastening device which is composed of but a few simple and compact parts, the fastening element comprising a spring arm composed of a single strand of wire bent in a manner to be hereinafter fully described so as to engage the under face of the neck-yoke to form a fastening means for the pole-strap which is arranged thereover.

The invention still further resides in the provision of a detachable fastening element whereby the pole-strap to be fastened may be placed and removed as occasion demands without detaching or removing the device from the yoke in connection with which it is employed.

The above and additional objects are accomplished by such means as are illustrated in their preferred embodiment in the accompanying drawings, described in the following specification and then more particularly pointed out in the claims which are appended hereto and form a part of this application.

In describing my invention in detail reference will be had to the accompanying drawings, wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side elevation illustrating the manner in which the attachment comprising my invention is fastened or secured to an ordinary neck-yoke; Fig. 2 is a section on the line 2—2 of Fig. 1; and Fig. 3 is a detail perspective view of the spring arm.

Proceeding now to the description of the drawings wherein is illustrated the preferred embodiment of my invention the numeral 1 designates a neck-yoke of the ordi-

nary type having the usual strap holder or fastening device 2 secured upon the end thereof. The holder 2 has nothing whatsoever to do with my invention and is shown only for the purpose of illustrating the old method or means employed for connecting the pole-straps (not shown) to the yoke.

The neck-yoke attachment comprises a metallic band 3 having ears 4 formed integrally therewith one upon each end thereof, the said ears adapted to be connected through the medium of a bolt 5 extending therethrough. By arranging the band 3 over the neck-yoke 1 and fastening the ears 4 thereof by means of the bolt 5 it will be seen that the said band is secured tightly upon the yoke 1 and is thus secured against lateral movement independent of the yoke. A spring arm, designated in its entirety by the numeral 6 is adapted to be arranged over the bolt 5 between the ears 4, coils 7 being formed at one end of the arm 6, the said bolt extending through the coiled portions 7 thereby causing the said coil to serve the double purpose of retaining the arm 6 in proper place and generating sufficient spring pressure necessary to the operation of the device.

Upon the opposite end of the arm 6 from that upon which the coils 7 are formed I provide an engaging tongue 8 formed by bending the arm 6 downwardly and inwardly as at 9 and thence upwardly between the said arms to a point 10 where they are bent outwardly to a point 11 to overlap or extend beyond the plane of the arm 6. From the point 11, the said wire strand is bent as at 12 to conform to the contour or configuration of the neck-yoke 1 the said curved portion 12 engaging the under face of the said yoke within a recess 13 provided therefor within the said yoke. The opposite end of the arm 6 from that of the engaging tongue 8 is provided with an extension 14 disposed to normally engage the under face of the neck-yoke 1 upon the opposite side of the band 3 from that of the said tongue 12, this engagement normally forcing the tongue 12 into yieldable yet firm engagement with the recess 13 of the yoke.

By the arrangement of a spring arm constructed as above described, it will be seen that the pole-strap when arranged over the extremity or end of the neck-yoke 1 is securely fastened thereupon by reason of its engagement with the band 3 upon one side

and the tongue 8 upon the other. By forcing the arms 6 downwardly or away from the yoke 1 it will be seen that the tongue 8 is withdrawn from engagement with the said yoke thereby permitting the pole-strap to be fastened to be forced or slid over the end of the neck-yoke and between the band 3 and tongue 8, the said strap when thus placed with respect to the neck-yoke attachment being securely fastened against lateral movement independent of the attachment and yoke.

The tongue 8 being seated within the recess 13 allows the pole-strap when fastened over the neck-yoke to move freely over the bent portion 12 without disengaging the tongue 8 from the yoke and supporting the strap in proper place and preventing accidental removal thereof under all circumstances. To unfasten or remove the strap, the tongue 8 is withdrawn from engagement with the recess 13 and the strap moved oppositely from the manner in which it is placed or fastened.

It will be seen from the above, taken in connection with the accompanying drawings that the pole-strap acted upon may be fastened and removed by simply forcing the arm 6 away from the yoke 1; that by the provision of the extension 14 formed from the same strand of wire as the said arm 6 and the tongue 8, the latter is normally held into firm engagement with the seat provided therefor; and that the bolt 5 employed for the purpose of fastening the band ends together acts as a support for the arm 6 over which the coils 7 are arranged.

It will be understood that the above description and accompanying drawings comprehend only the general and preferred em-

bodiment of my invention and that various minor changes in details of construction, proportion and arrangement of parts may be made within the scope of the appended claims and without sacrificing any of the advantages of my invention.

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

1. In combination, a neck-yoke provided with a recess, a band mounted on the neck-yoke adjacent the recess, a supporting pin carried by the band, and a spring retaining element mounted on the pin, said element being bent at each end to yieldingly engage the neck-yoke, one end of the element fitting the recess aforesaid for the purpose specified.

2. A strap fastening device for neck-yokes including a detachable band, a spring arm composed of a single strand of wire carried by the said band, an engaging tongue formed from the said wire strand at one end thereof adapted to normally engage the said yoke for fastening a strap thereto, coils formed from the said wire strand for generating sufficient spring tension to support the said tongue into engagement with the said yoke, and an extension formed from the said wire strand upon the opposite end thereof from that of the said tongue adapted to engage the said yoke for additionally supporting the tongue into engagement therewith, as and for the purpose set forth.

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

ALLEN A. OGDEN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."