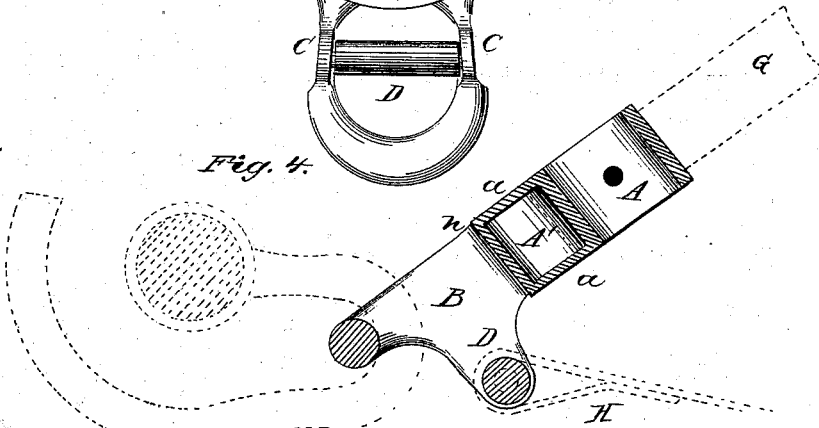
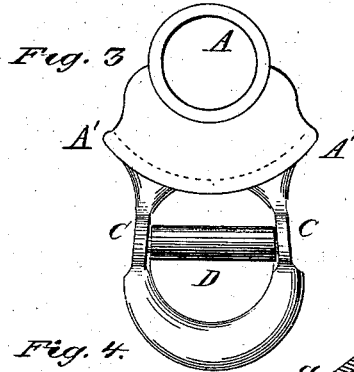
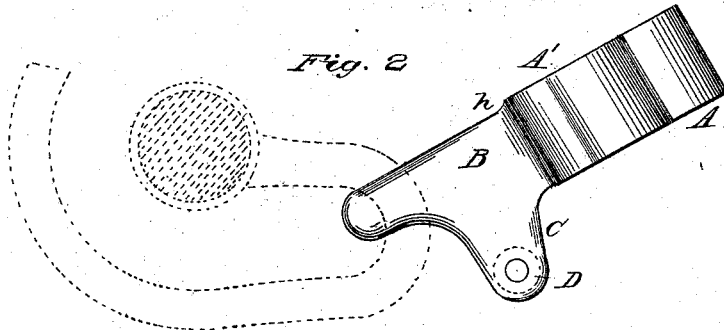
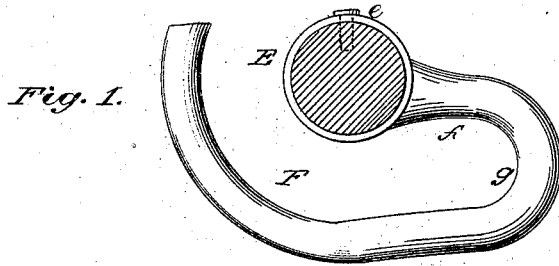


J. DALTON.  
Neck-Yoke Adjuster.

No. 205,249.

Patented June 25, 1878.



Witnesses  
Fred G. Dutcher

John P. Brooks

Inventor  
John Dalton,  
per C. A. Snow & Co.  
attys.

# UNITED STATES PATENT OFFICE.

JOHN DALTON, OF BOUCHEA, WISCONSIN.

## IMPROVEMENT IN NECK-YOKE ADJUSTERS.

Specification forming part of Letters Patent No. 205,249, dated June 25, 1878; application filed March 26, 1878.

*To all whom it may concern:*

Be it known that I, JOHN DALTON, of Bouchea, in the county of St. Croix and State of Wisconsin, have invented certain new and useful Improvements in Neck-Yoke Adjusters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a cross-section of the neck-yoke pole, showing the construction of my improved yoke-hook. Fig. 2 is a side elevation of my improved neck-yoke adjuster. Fig. 3 is an end view of the same; and Fig. 4 is a transverse section of the adjuster, showing the manner of adjusting it upon the neck-yoke, breast-strap, and holdback-strap.

Similar letters of reference indicate corresponding parts in all the figures.

This invention relates to devices for attaching and adjusting the neck-yoke to the harness in a simple, secure, and expeditious manner.

It consists, first, in an improvement upon the neck-yoke adjuster for which Letters Patent of the United States No. 197,254 were granted to me on the 20th day of November, 1877; and, second, in an improved construction of the neck-yoke hook, substantially as hereinafter more fully described, and pointed out in the claim.

In the drawings, A represents a tubular or sleeve-shaped part, around which the breast-strap of a common harness is placed, the breast-strap being retained by an outer concentric portion, A', that is connected by end stays or walls *a* to the tubular or sleeve-shaped part A.

The construction of the parts A A', therefore, does not differ from that shown in my Letters Patent No. 197,254; but, instead of the ring B secured upon the part A', and braced thereto by the brace-pieces D and D', as described in said patent, I cast the parts A A' with a downward-projecting loop or clevis, B, wide at its upper end, as shown at *b* in Fig. 2, where it is united to the part A', and having two parallel projecting ears or

brackets, C C, each of which is perforated, so as to form a journal for a roller, D, hung or pivoted between the rear ends of arms C C. By this construction the braces shown and described in my Letters Patent No. 197,254 may be dispensed with, thus producing a neater, lighter, more compact, and yet stronger device.

My improved yoke-hook is of the configuration represented in Fig. 1—that is, it consists of a tubular part or sleeve, E, inserted upon the end of the yoke, and held in place by a screw, *e*, and the hook or tongue F, which is bent or curved back over sleeve E, and down to a point a little below the point on sleeve E opposite where the hook joins this. Thus a semicircular hook or catch is formed, partially encircling sleeve E, and having a bulging part or shoulder, *f*, at its upward curve or slant, where clevis B bears against it, which is for the double purpose of preventing this from slipping out off the inner loop *g* of the hook, and taking up the wear which is greatest on that part of the hook.

The method of using the adjuster does not differ from that described in Patent No. 197,254, and will be readily understood by reference to Fig. 4, on which G denotes the breast-strap, and H the holdback-strap, which is passed around the roller D.

Having thus described my improvement, I claim and desire to secure by Letters Patent of the United States—

The herein-described neck-yoke adjuster, composed of the loop or clevis B, having roller D, pivoted in the projecting ears C C, made in one piece with and projecting from the sleeve-shaped breast-strap, support A A, in combination with the neck-yoke hook, consisting of the tubular part or sleeve E, and semicircular upwardly-curved hooked arm F partly encircling sleeve E, and having bulging part or shoulder *f*, substantially as and for the purpose herein set forth.

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

JOHN DALTON.

Witnesses:

A. C. PATTEN,  
J. W. DURNING.