

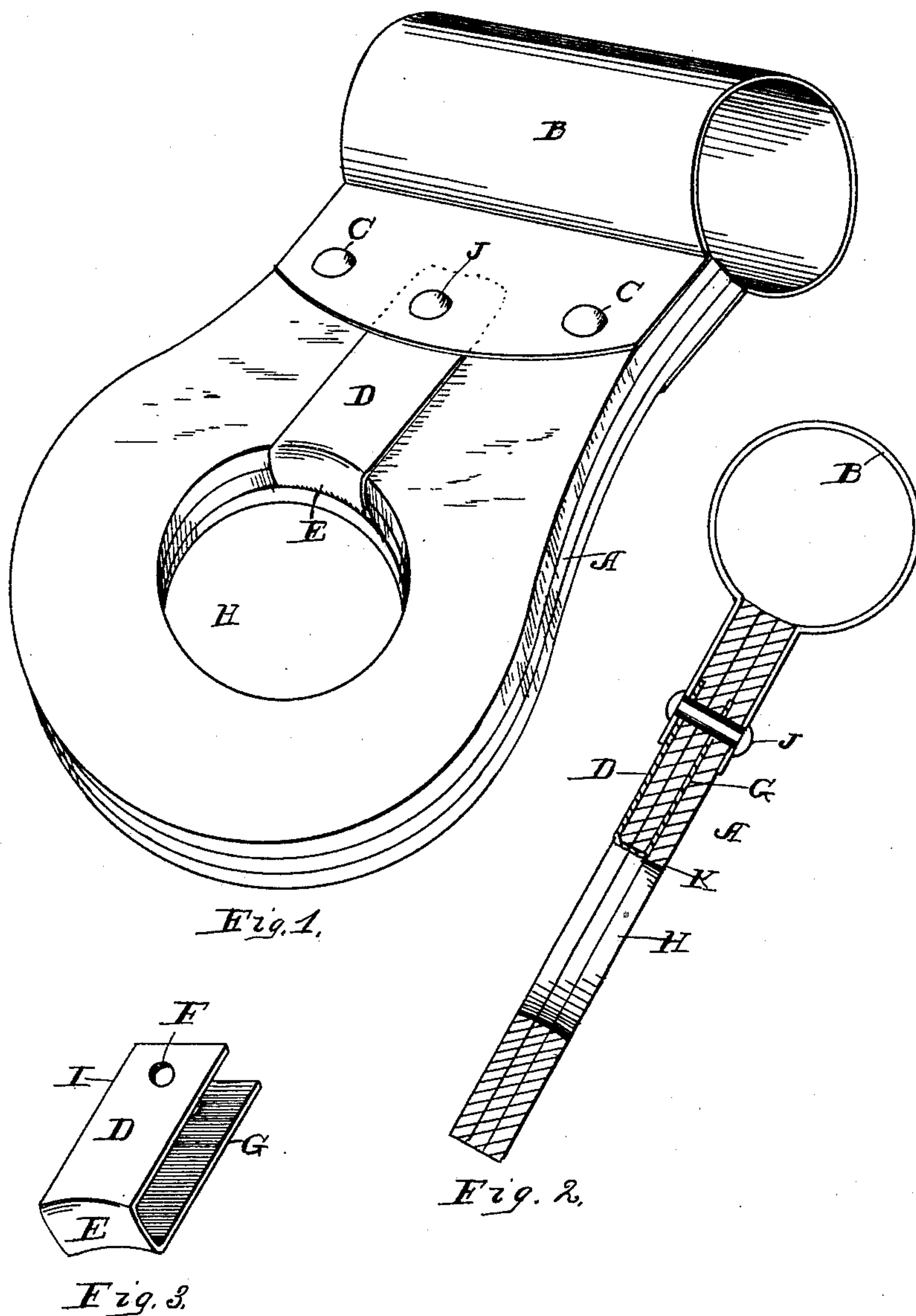
(No Model.)

W. N. STERNER & W. L. HAWES.

NECK YOKE CENTER.

No. 348,867.

Patented Sept. 7, 1886.



WITNESSES:

Robert Kirk.
Hughald McKillop.

INVENTOR :

William N. Sterner
William L. Hawes
By J. E. J. Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM N. STERNER AND WILLIAM L. HAWES, OF CINCINNATI, OHIO,
ASSIGNORS, BY DIRECT AND MESNE ASSIGNMENTS, TO THE CINCINNATI
NECK YOKE COMPANY, OF SAME PLACE.

NECK-YOKE CENTER.

SPECIFICATION forming part of Letters Patent No. 348,867, dated September 7, 1886.

Application filed January 4, 1886. Serial No. 187,541. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM N. STERNER and WILLIAM L. HAWES, both of Cincinnati, in the county of Hamilton and State of Ohio, have invented a new and useful Improvement in Yoke-Centers, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of our improved neck-yoke center; Fig. 2, a longitudinal central section of the same, and Fig. 3 a perspective view of the metal loop detached.

Heretofore in constructing neck-yokes the metal clip, as usually riveted on, has a tendency to pull out on either one or both sides, necessitating the use of a similar grade of material in the pole-ring, and this, being formed of a number of blanks sewed together, was more or less expensive in manufacture. We design to obviate these defects by providing a yoke-center wherein the outer leather blanks of the pole-ring may be formed of the best material, while the inner, of which there may be several, may be formed of different grades of material; and, in order that the strength may be maintained, we provide a metal slip or loop, which is designed to embrace two or more of the blanks forming the pole-ring and riveted to the metal clip, so that the strain usually coming on the rivets will be transferred to this clip, and thus prevent the pulling out or loosening of the clip from the pole-ring, all of which will now be fully set forth in detail.

In the accompanying drawings, A represents a pole-ring formed, as usually, of a number of leather blanks, and provided with the usual clip, B. This is secured in position by means of rivets C, as ordinarily constructed. In addition to these features we provide a metal slip, D, forming a loop, E, centrally and rearwardly provided with openings F. This loop we place in position, in connection with the pole-ring A, by inserting one limb, G, between the two joints of the blanks A from the central opening, H, of the pole-ring, while

the other limb, I, overlies the upper leather blanks of the pole-ring. The ends of this loop D are provided with the openings F, and are designed to extend forward far enough to connect with the clip B, and secured in connection therewith to the pole-ring A, by means of the rivet J, centrally on the clip.

The limbs G and I of the loop D are designed to embrace two or more of the upper blanks of the pole-ring A in case there are more than three of these leather blanks; but in any event, to leave the outer blank, K, outside the loop, so that this metal loop may not come in contact with the pole, and thus wear it, and also, in addition to this precaution, in order that the looped end of the slip D within the opening H may not form a wearing-surface any more than is necessary, the looped end E of this slip is formed convexed or segmental to correspond with the curve of the opening H.

In connecting the clip with the pole-ring it is absolutely impossible for the rivets C to pull out, as the strain, as ordinarily met by these rivets, is received upon the loop D.

Having described our invention, what we claim is—

1. In combination with the pole-ring A, formed of leather blanks, and having the opening H, the slip D, one limb inserted between said blanks and the other overlapping the upper blank, and the clip B, and rivets C and J, all substantially as and for the purposes set forth.

2. In a neck-yoke constructed as described, the slip D, having its looped end E convexed, substantially as and for the purposes set forth.

In testimony that we claim the foregoing we have hereunto set our hands, this 14th day of December, 1885, in the presence of witnesses.

WILLIAM N. STERNER.
WILLIAM L. HAWES.

Witnesses:

H. J. HARROP,
JULIUS B. FREI.