

No. 677,369.

Patented July 2, 1901.

T. M. McVAY.
NECK YOKE FASTENING.
(Application filed Apr. 15, 1901.)

(No Model.)

FIG. 1.

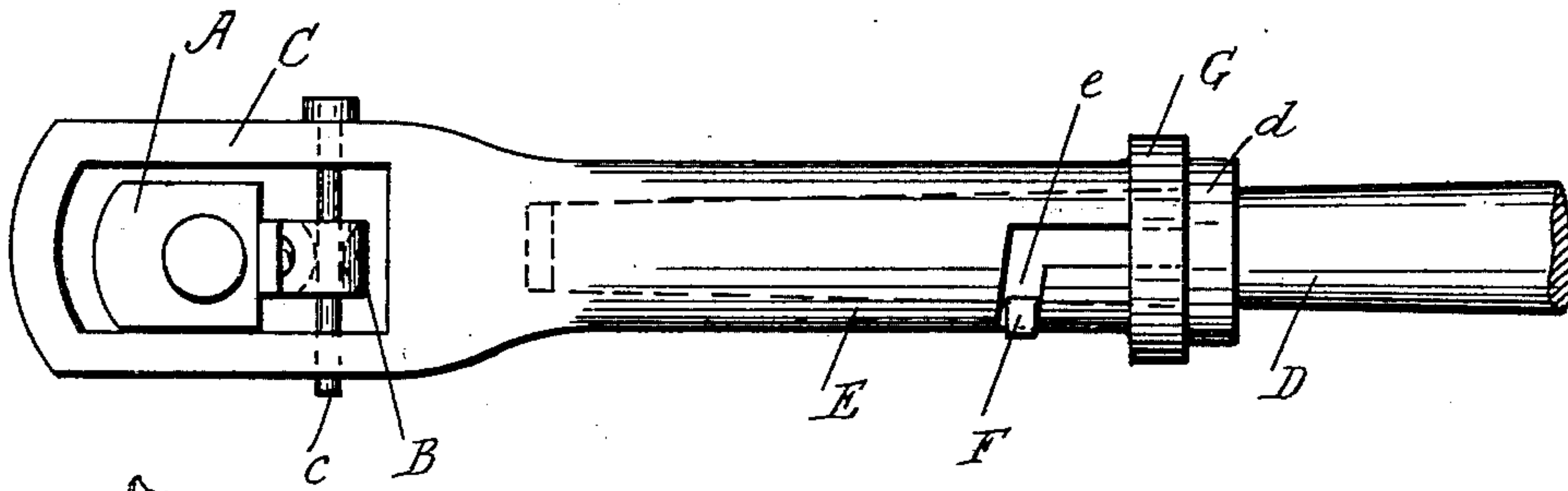


FIG. 2.

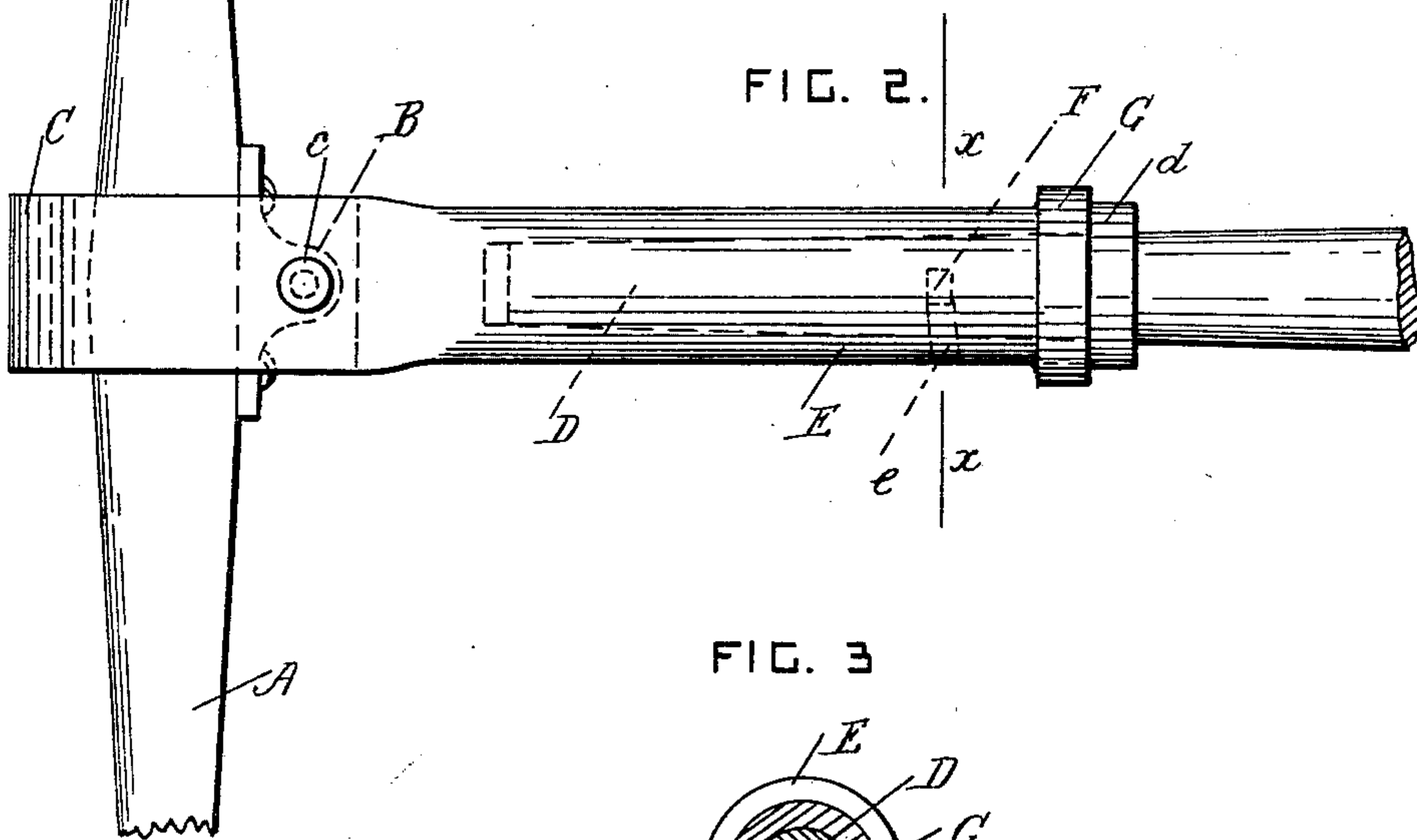
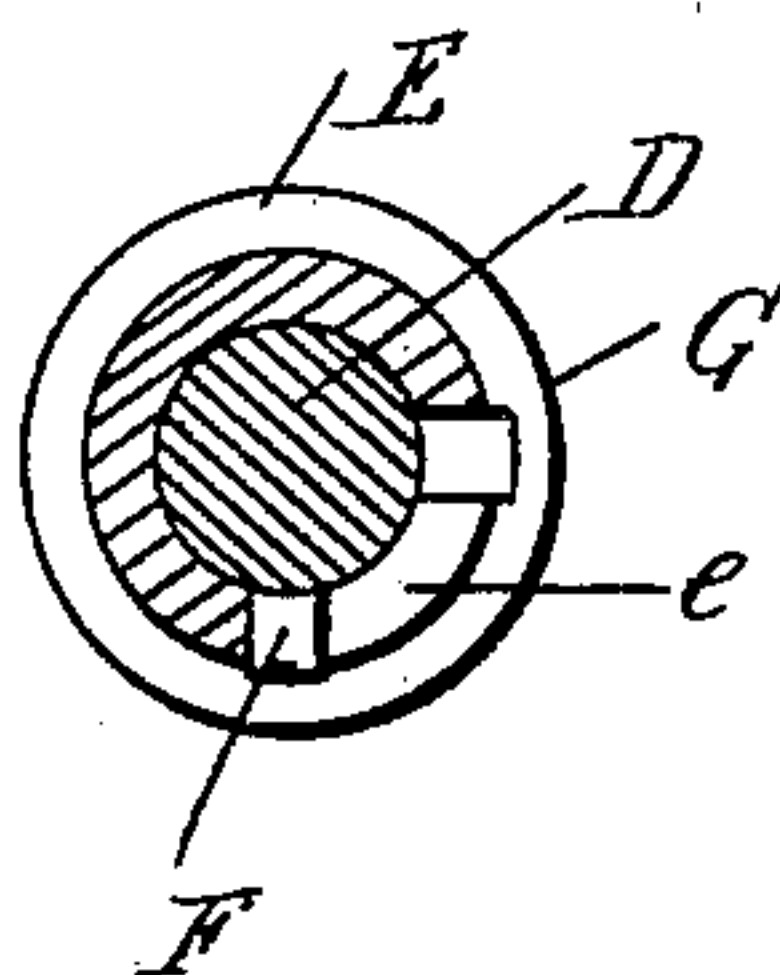


FIG. 3.



WITNESSES
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NECK-YOKE FASTENING.

SPECIFICATION forming part of Letters Patent No. 677,369, dated July 2, 1901.

Application filed April 15, 1901. Serial No. 55,878. (No model.)

To all whom it may concern:

Be it known that I, THOMAS M. McVAY, a citizen of the United States, residing at Summerfield, in the county of Noble and State of Ohio, have invented certain new and useful Improvements in Neck-Yoke Fastenings; 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.

This invention relates to devices for connecting neck-yokes to the pole-tips of vehicles; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

In the drawings, Figure 1 is a side view of the fastening. Fig. 2 is a plan view from above. Fig. 3 is a cross-section taken on the line *x x* in Fig. 2.

A is a portion of a neck-yoke which is attached to the animals in the usual manner.

B is a bearing which is secured to the rear side of the middle part of the neck-yoke.

C is a loop or socket which encircles the middle part of the neck-yoke and the bearing, and *c* is a vertical pin which passes through the loop and the bearing and pivots the said parts together, so that the neck-yoke can move freely in the loop.

D is the end portion of a vehicle-pole provided with a collar *d*. The end portion D is preferably tapered, and it is smaller at its front end than at the collar.

E is a tapered sleeve at the rear part of the loop or socket C, and this sleeve is slidable over the end portion D. The sleeve E has an L-shaped slot *e*, one portion of which is arranged longitudinally and has an open end at the rear part of the sleeve next to the collar. The other portion of the slot *e* is arranged circumferentially of the sleeve and is preferably slightly inclined.

F is a projection on the lower side of the end portion D for engaging with the slot *e* and connecting the sleeve to the pole.

G is a band which encircles the rear part of the sleeve and which prevents it from being weakened at the slot *e*.

The sleeve is disconnected from the pole by turning it one-quarter around and then sliding it longitudinally until the projection is clear of the longitudinal part of the slot. When the sleeve is replaced on the pole, the inclination of the circumferential part of the

slot draws the larger end of the sleeve against the collar and, together with the tapering form of the sleeve, prevents it from rattling.

What I claim is—

1. The combination, with a pole-sleeve, and the end portion of a pole provided with a stop for the sleeve, one of the said parts being provided with a projection and the other said part being provided with an L-shaped slot having its circumferential portion inclined so as to draw the sleeve toward the stop as it engages with the said projection; of means for pivotally connecting the said sleeve with a neck-yoke, substantially as set forth.

2. The combination, with a pole-sleeve provided with an L-shaped slot and a band which bridges the open end of the said slot, of the end portion of a pole provided with a projection for engaging with the said slot, and means for pivotally connecting the said sleeve with a neck-yoke, substantially as set forth.

3. The combination, with the tapered end portion of a pole provided with a collar and a projection, of a tapered sleeve provided with an L-shaped slot for engaging with the said projection, the circumferential portion of the said slot being inclined so as to draw the sleeve toward the collar when turned in one direction, and a neck-yoke pivotally connected with the said sleeve, substantially as set forth.

4. The combination, with the end portion of a pole provided with a projection and a stop, of a sleeve provided with an L-shaped slot which engages with the said projection and draws the sleeve tight against the said stop, said sleeve having also an integrally-formed loop at its front end, a neck-yoke which is freely movable in the said loop, and a vertical pin connecting the said neck-yoke and loop, substantially as set forth.

5. The combination, with a neck-yoke, and a bearing connected to the rear side of the middle part thereof; of a loop which loosely encircles the said neck-yoke and bearing, said loop being provided with means for connecting it to a vehicle-pole, and a vertical pin passing through the said loop and bearing, substantially as set forth.

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

THOMAS M. McVAY.

Witnesses:

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A. A. McVAY.