

(No Model.)

E. B. CHILDS.

NECK YOKE.

No. 278,400.

Patented May 29, 1883.

FIG. 1.

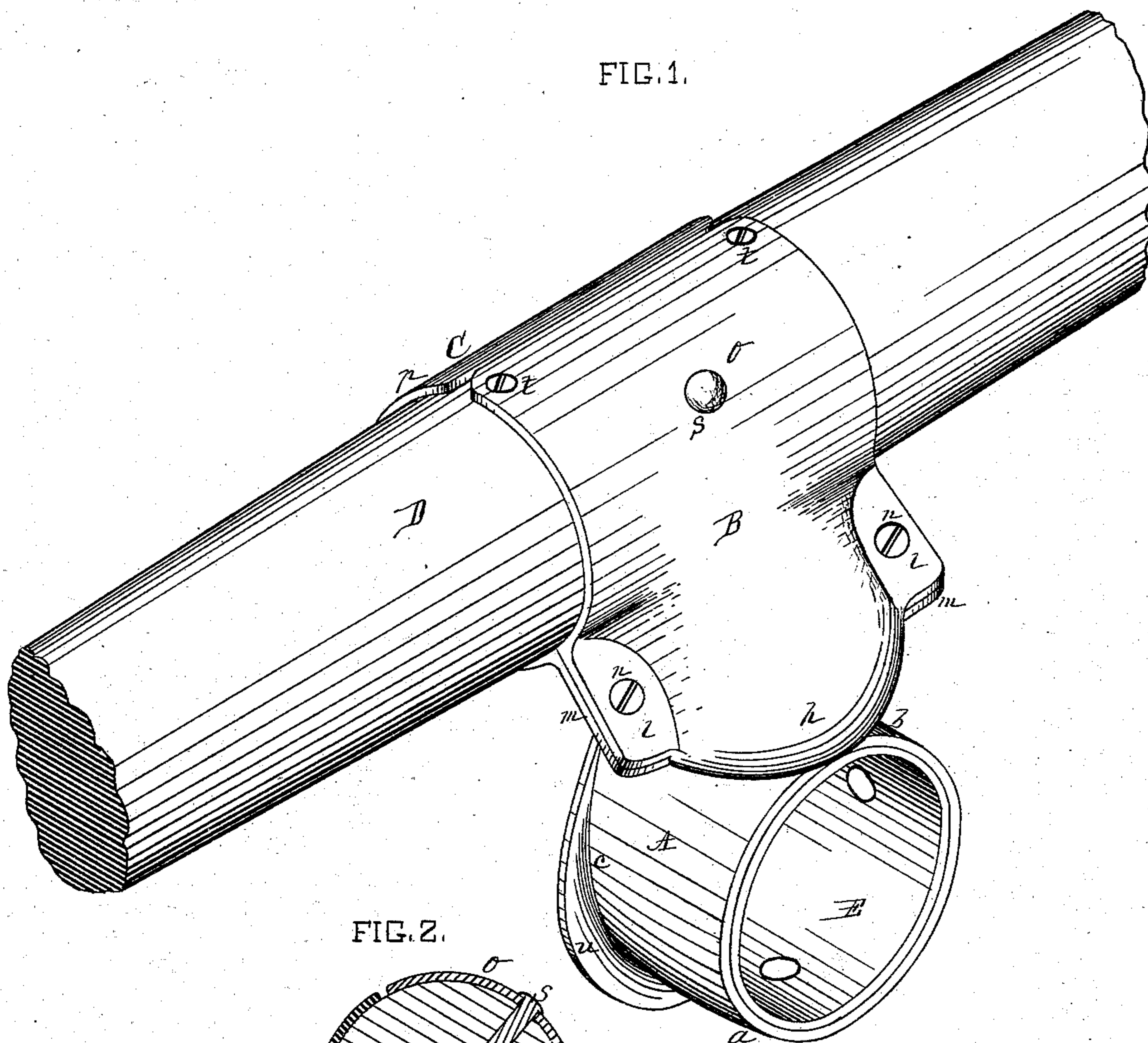
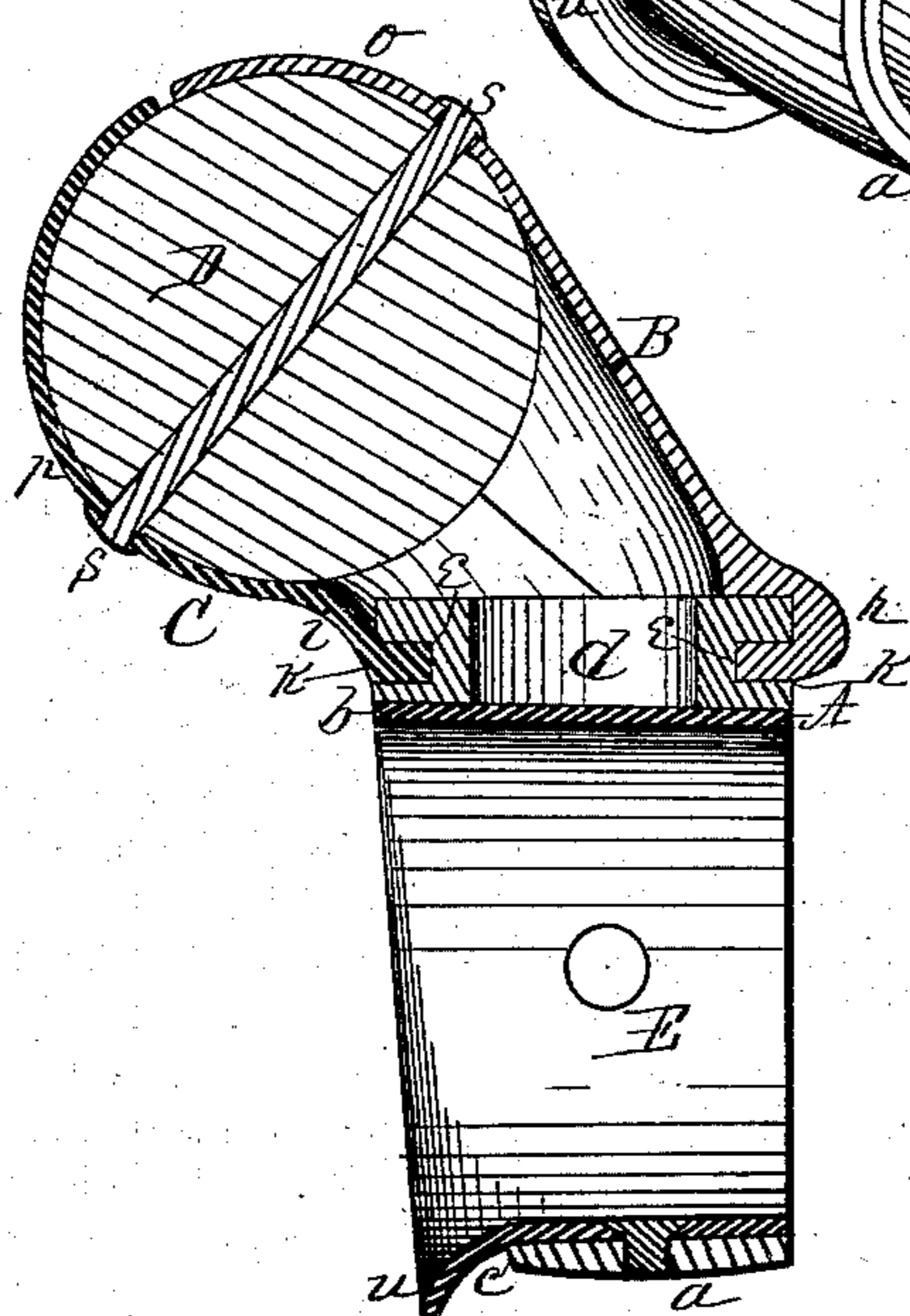


FIG. 2.



ATTEST

*A. O. Behel*  
*G. A. H. Behel*

INVENTOR:

*Edwin B. Childs.*  
BY *Jacob Behel*,  
ATTY.

# UNITED STATES PATENT OFFICE.

EDWIN B. CHILDS, OF ROCKFORD, ILLINOIS.

## NECK-YOKE.

SPECIFICATION forming part of Letters Patent No. 278,400, dated May 29, 1883.

Application filed April 8, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, EDWIN B. CHILDS, a citizen of the United States, residing in the city of Rockford, in the county of Winnebago and State of Illinois, have invented a new and useful Neck-Yoke Center, of which the following is a specification.

This invention relates to neck-yokes employed on the forward end of the tongue or pole of vehicles to connect with the harness of the team. It however relates more particularly to the center connection of the neck-yoke with the tongue or pole of the vehicle.

To this end I have designed and constructed the neck-yoke center represented in the accompanying drawings, in which—

Figure 1 is an isometrical representation of the central portion of a neck-yoke with my improved center mounted in place thereon, of which Fig. 2 is a transverse central section.

In the figures, A represents the ring portion, which is designed to receive the pole-socket of the vehicle. This ring is produced from suitable material in cylindrical form of proper size, being of less width at its lower side, *a*, than at its upper side, *b*, having its rear edge walls, *c*, inclined to meet the inclined collar or flange of the pole-socket as usually constructed.

At *d* is represented a tubular shank, which rises from the upper or wider portion, *b*, of the ring, and its periphery is provided with an annular groove, *e*, producing a swivel-head.

At B is represented the upper portion of a clasp to embrace the neck-yoke, and at C is represented the lower portion of the same clasp. The lower end portions, *h* and *i*, of these clasps are provided with an annular rim or fillet, *k*, produced to enter the annular groove *d* of the ring. These two portions B and C of this neck-yoke clasp are produced in such form as to embrace the annular tubular shank of the ring snugly, but in such a manner as to permit a swiveling or oscillating movement of the ring in its bearings. These two portions B and C of the clasp are provided at their lower ends with side ears, *l* and *m*, which pro-

ject from the sides of the clasp in the lengthwise direction of the wood portion of the neck-yoke. These ears are perforated and receive rivets *n*, which are properly riveted and serve to fix the parts securely in their relative position. These clasp portions are provided with shell-like arms *o* and *p* of suitable form to embrace the wood portions D of the neck-yoke, to which they are firmly fixed by means of a rivet, *s*, and suitable screws, *t*, or other sufficient fastenings. The wood portion D of the neck-yoke is of the ordinary form, and its end portions are fitted to connect with the harness of the team in the usual manner.

The ring A, which receives the pole-socket, is provided with a leather lining, E, which is fixed in place by means of suitable rivets passed through the parts. The rear edge, *u*, of this lining extends beyond the rear edge of the ring and is turned outward, producing a flange to engage the oblique collar of the pole-socket as usually constructed.

From the foregoing it will be seen that the oscillatory or swiveling movement of my improved neck-yoke center is not limited, but is capable of any such movement as it may be subjected to either in use or by accident without subjecting the parts to injurious strains.

I claim as my invention—

1. In a neck-yoke, the annular ring A, having the tubular shank *d*, formed in one piece therewith, said shank provided with the annular groove *e*, in combination with the divided neck-yoke clasp, the parts of which are connected together and to the tubular shank, substantially in the manner and for the purpose set forth.

2. In a neck-yoke center, the ring provided with the tubular shank, having the annular groove formed therein, in combination with the divided clasp, to embrace the neck-yoke, said parts being secured together by means of the ears and rivets, substantially as described.

EDWIN B. CHILDS.

Witnesses:

A. O. BEHEL,  
JACOB BEHEL.