

C. SHUMAN.
NECK-YOKE RING.

No. 187,920.

Patented Feb. 27, 1877.

Fig. 1.

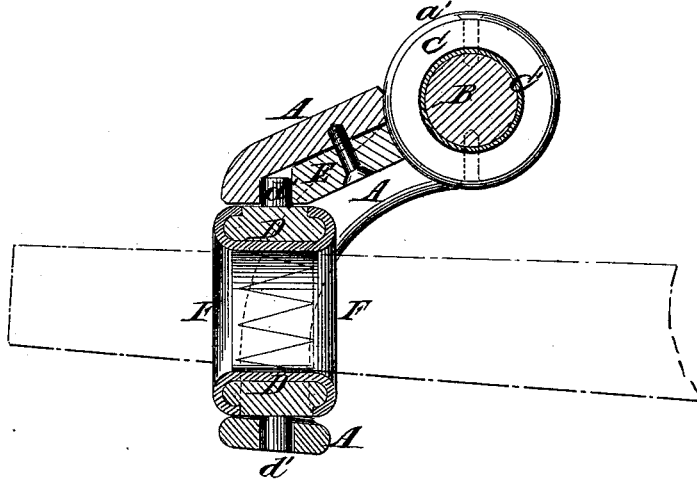


Fig. 3.

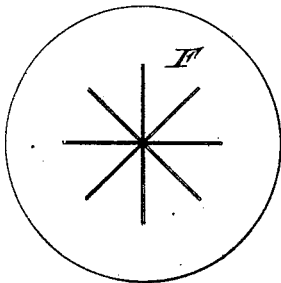
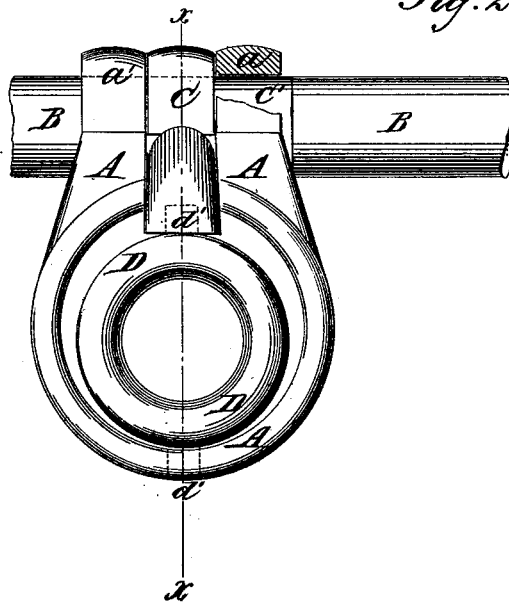


Fig. 2.



WITNESSES:
Gustave Kriegerich
John Goethals.

INVENTOR:
C. Shuman
BY *Wm. H. [Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES SHUMAN, OF RED OAK, IOWA.

IMPROVEMENT IN NECK-YOKE RINGS.

Specification forming part of Letters Patent No. 187,920, dated February 27, 1877; application filed August 7, 1876.

To all whom it may concern:

Be it known that I, CHARLES SHUMAN, of Red Oak, in the county of Montgomery and State of Iowa, have invented a new and useful Improvement in Neck-Yoke Rings, of which the following is a specification:

Figure 1 is a detail section of my improved device, taken through the line *xx*, Fig. 2. Fig. 2 is a front view of the same. Fig. 3 is a detail view, showing the construction of the leather bush.

Similar letters of reference indicate corresponding parts.

The object of this construction is to furnish an improved neck-yoke ring, which shall be so constructed as to allow the neck-yoke to be turned nearly parallel with the tongue, and which shall be simple in construction, and inexpensive in manufacture.

The invention consists in the ring, provided with two lugs to receive the neck-yoke, with sockets to receive the pivots of an inner ring, and the locking-block; in the combination of the collar, provided with a tubular washer, with the two lugs of the ring for securing said ring in place upon the neck-yoke; in the inner ring, provided with the pivots, in combination with the outer ring and the locking-block; and in the leather bush, constructed as hereinafter described, in combination with the inner ring, as set forth.

A is the body or outer part of the ring, which is made with a large circular hole through its center, and with two lugs, *a'*, upon its upper edge, to receive the neck-yoke B. In the space between the lugs *a'*, and attached to the center of the neck-yoke B, is placed a ring, bead, or collar, *c*, which is attached to, or formed upon, the sleeve *c'*, to receive the lugs *a'*, and thus prevent wear. In the hole

of the ring A is placed a ring, D, upon the upper and lower sides of which are formed pivots *d'*. The lower pivot *d'* enters a socket in the lower part of the ring A, and the upper pivot *d'* enters a notch or groove in the rear side of the upper part of the said ring A, where it is secured in place by a block, E. The inner and side surfaces of the ring D are faced with a rubber or leather bush, F. The bush F, when made of leather, is formed of two disks, the central parts of which are slit radially from their centers about half-way to their outer edges, as shown in Fig. 3. The outer parts of the two disks are fitted down over the front and rear sides of the ring D, and their central points alternate with each other, are sewed to each other with wire, and are fitted down over the inner surface of said ring, as shown in Fig. 1.

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

1. The ring A, provided with two lugs, *a'*, to receive the neck-yoke, with sockets to receive the pivots of an inner ring, and with a block, E, substantially as herein shown and described.

2. The combination of the collar *c* and sleeve *c'*, with the lugs *a'* of the ring A, for securing said ring A in place upon the neck-yoke, substantially as herein shown and described.

3. The inner ring D, provided with the pivots *d'*, in combination with the ring A and the block E, substantially as herein shown and described.

CHARLES SHUMAN.

Witnesses:

S. A. JONES,
J. C. SHUMAN.