(No Model.)

W. W. HERREN.

OX YOKE.

No. 375,814. Patented Jan. 3, 1888.

Fig. 1.

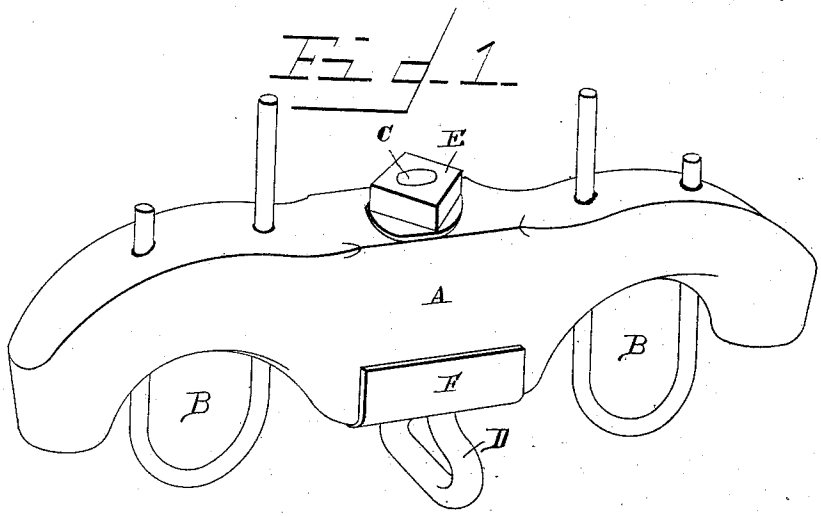


Fig. 2.

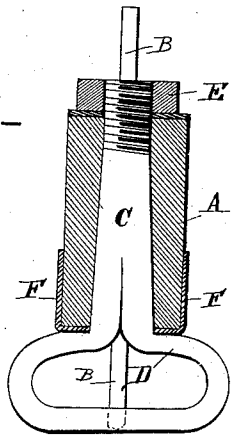
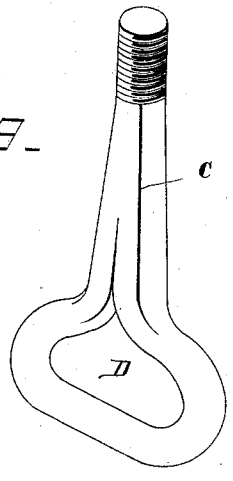


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM WILLISON HERREN, OF CONROE, TEXAS.

OX-YOKE.

SPECIFICATION forming part of Letters Patent No. 375,814, dated January 3, 1888.

Application filed October 28, 1887. Serial No. 253,642. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM WILLISON HERREN, a citizen of the United States, residing at Conroe, in the county of Montgomery and State of Texas, have invented a new and useful Improvement in Ox-Yokes, of which the following is a specification.

My invention relates to improvements in ox-yokes; and it consists in certain novel features hereinafter fully described and claimed.

In the accompanying drawings, which fully illustrate my invention, Figure 1 is a perspective view of my improved yoke, and Fig. 2 is a central transverse section of the same. Fig. 3 is a detail perspective view of the staple.

Referring particularly to the drawings by letter, A designates the yoke, and B the bows in the ends thereof. Midway in the yoke I form a vertical transverse opening, which extends entirely through the yoke, and through which I insert the shank C of the staple D. This shank C, it will be seen from the drawings, is angular in cross-section and is tapered from the staple D to its end, which is screw-threaded, as shown, and projects above the top of the yoke. A nut, E, is mounted upon this projecting screw-threaded end of the shank and turns up against the top of the yoke, so as to draw the shank through the same and secure it. It will be observed that as the shank is angular in cross section it will be effectually prevented from turning in the yoke, the staple being thus maintained in its proper operative position, as will be readily understood. It will also be observed that the shank is tapered, and consequently when the nut is turned home the shank will bind against the walls of the opening in the yoke, and thus be held rigidly in place.

In order to prevent the splitting of the yoke as the shank of the staple is drawn therethrough, I provide the metallic strap or band F, which fits around the lower edge and sides of the yoke, and is provided with an opening registering with the end of the passage through the yoke and through which the shank of the staple is inserted. This plate also receives the impact of the staple when it is drawn up against the bottom of the yoke, and thereby reduces the wear on the yoke, as will be readily understood.

From the foregoing description it will be seen that I have provided a very simple and efficient device, the advantages of which will be readily appreciated.

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

The combination of the yoke A, having a central vertical opening, the metallic strap F, fitted around the lower edge of the yoke and having a central opening registering with the lower end of the vertical opening of the yoke, the staple D, arranged transversely to the lower edge of the yoke and having an integral shank, C, inserted upward through the aligned openings in the strap F and the yoke A, the said shank being tapered and angular in cross-section throughout its length and screw-threaded at its upper end, and a nut, E, turning on said threaded end of the shank and against the top of the yoke, substantially as specified.

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

WILLIAM WILLISON HERREN.

Witnesses:

GEORGE EMRICK,

THOMAS HERREN.