(No Model.)

J. G. ECKHART.

COCKEYE.

No. 361,683. Patented Apr. 26, 1887.

Fig. 1.

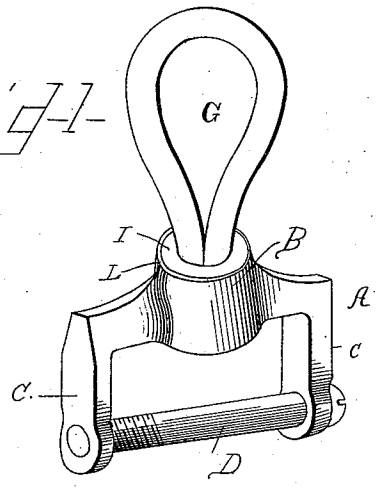
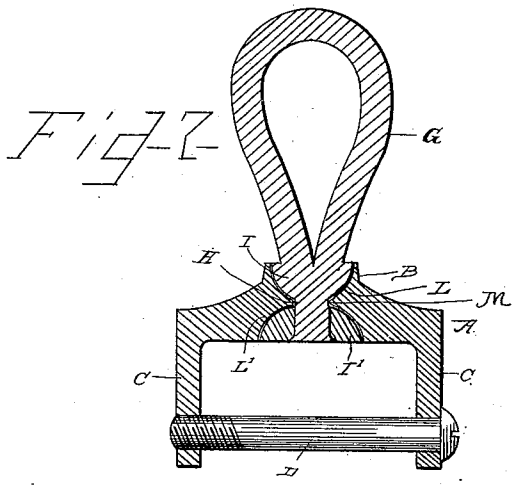


Fig. 2.



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UNITED STATES PATENT OFFICE.

JOHN GEORGE ECKHART, OF EDNA, KANSAS, ASSIGNOR OF ONE-HALF TO W. H. HOLT AND L. S. GOODWIN, BOTH OF SAME PLACE.

COCKEYE.

SPECIFICATION forming part of Letters Patent No. 361,683, dated April 26, 1887.

Application filed January 28, 1887. Serial No. 225,813. (No model.)

To all whom it may concern:

Be it known that I, JOHN GEORGE ECKHART, a citizen of the United States, residing at Edna, in the county of Labette and State of Kansas, have invented a new and useful Improvement in Cockeyes, of which the following is a specification.

My invention relates to improvements in cockeyes; and it consists in a certain novel construction and arrangement of parts, fully described hereinafter and claimed.

In the accompanying drawings, Figure 1 is a perspective view of my invention. Fig. 2 is a sectional view of the swivel-joint.

Referring to the drawings, in which similar letters denote corresponding parts in both the figures, A is the body of the cockeye, having the conical-shaped boss B at the middle, said body having the usual arms, C, provided with eyes on the end thereof, one of which eyes has a smooth opening therein and the other a threaded opening. The bolt D passes through the said smooth opening and screws into the threaded opening.

G is the usual swivel-eye, journaled at one end in the conical boss B, and comprising the straight round portion H, which forms an integral extension of the eye, and is provided with two collars, I I′, placed a short distance apart, each of which is flat on the outside and curved or rounded on the sides facing each other, and the distance between the said outside faces is the same as the length of the boss. The bearing in the boss is adapted to fit the end of the swivel—namely, two cup-shaped openings, L L′—with the mouth or widest part outside, and joined by the opening M.

The collar I′ and the cup-shaped opening L′ are made larger than the collar I and recess L, for the reason that the strain of pulling will come mainly upon the collar I′, and it should therefore be larger and stronger than the collar I need be, as the object of the collar I is simply to prevent the swivel from backing out of the bearing, the strain thereon being therefore slight. The collar I is preferably made integral with the eye, and the collar I′ is riveted on after the swivel is placed in the bearing provided for it.

The application and operation of my invention are obvious, the device being designed to be secured to the ends of the whiffletree to secure the traces therein, the object being to provide a fastening, swiveled as shown, to allow the strap to straighten if placed in the ring in a twisted condition.

The particular advantage which my cockeye possesses over similar devices now in general use lies in the fact that the peculiar construction which I show is adapted to stand more wear and more strain than said common forms. In addition to this, there is little or no danger of the parts giving way, as there is when there is a simple cap or washer riveted on the rear end of the eye.

A bushing may be fitted around the screw-bolt D to take up wear when the leather strap is fitted to the cockeye.

I am aware that a cockeye has heretofore been provided in which the neck of the eye, between the two ends, is constructed of a regular concave form, to which the tug is connected by casting it around the said neck. This construction I do not claim; neither do I lay claim, broadly, to a cockeye having the neck of the eye swiveled in the body by means of rounded bearing-surfaces. My device is put together in a manner totally different from that employed in constructing the cockeye above referred to, and in case of breakage of any part can be more easily and quickly repaired.

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

In a cockeye, the combination of the body having the concave recesses connected by the cylindrical opening, the ring or eye having its end inserted through said recesses and opening, and having an integral convex-faced collar filling one of said recesses, and a separate convex-faced collar fitted over the end of the ring or eye and filling the remaining concave recess, substantially as specified.

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

JOHN GEORGE ECKHART.

Witnesses:

W. J. RAYMOND,

H. H. DAVIS.