

(No Model.)

J. GIBBONS.

EYE, HOOK, &c., FOR THE ENDS OF ROPES, BELTS, &c.

No. 244,884.

Patented July 26, 1881.

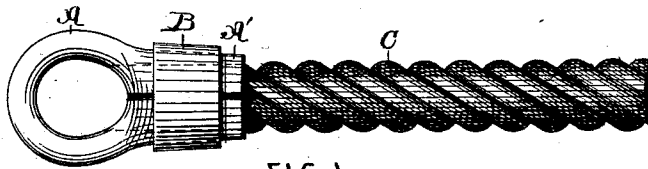


FIG. 1.

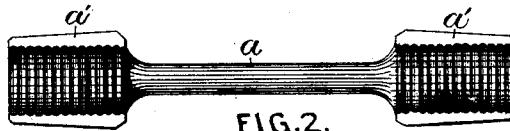


FIG. 2.

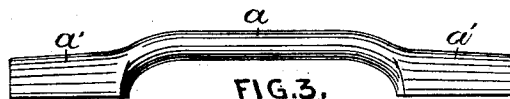


FIG. 3.

Witnesses:

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JOHN GIBBONS, OF WEST TROY, ASSIGNOR OF TWO-THIRDS TO CHARLES R. HICKS AND JOHN H. REYNOLDS, BOTH OF TROY, NEW YORK.

EYE, HOOK, &c., FOR THE ENDS OF ROPES, BELTS, &c.

SPECIFICATION forming part of Letters Patent No. 244,884, dated July 26, 1881.

Application filed May 18, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN GIBBONS, of West Troy, in the county of Albany and State of New York, have invented certain new and useful Improvements in the Mode of Securing Metallic Eyes, Hooks, and other Fastening Devices to Ropes, Cords, &c., of which the following is a specification.

My invention consists in providing the eye or other fastening device with a sleeve that is split longitudinally and made in a tapering form to receive a binding collar or hoop, by which the two parts of the sleeve are forced together, so as to clamp upon the rope, belt, or other material on which the device is used.

The object of my invention is to provide a cheap, simple, and reliable means for fastening together the ends or other parts of ropes, cords, belts, &c.

In the accompanying drawings, which form a part of this specification, and to which reference is herein made, Figure 1 is a side view of an eye secured by my improved mode to the end of a rope. Fig. 2 is a plan view of an eye as it would appear if straightened out; and Fig. 3 is a side elevation of the same.

As illustrated in the drawings, the metallic eye A consists of a malleable-iron casting, which, as shown in Fig. 2, is composed of the bar *a* and the two counterpart semi-cylindrical parts *a'*. The parts *a'*, when the bar *a* is in proper form for the eye, as shown in Fig. 1, constitute a sleeve, A', separated through its entire length at opposite sides, and whose in-

ner surface is provided with either spiral or straight grooves, as shown in Fig. 2, or with any roughened interior surface, for obtaining a more perfect adhesion for the sleeve A' to the rope, or other material to which the device is attached. The outer surface of said sleeve is made of a conical form for receiving the clamping-ring B, by which the two parts of the said sleeve are forced together to hold retentively upon the rope C. In order to insure a close fit for the sleeve A' upon the rope an opening between the two parts *a'* should be left in the longitudinal joints at the opposite sides of the sleeve.

It is obvious that, instead of the eye shown in the drawings, hooks and other fastening devices may be constructed with a split conical sleeve, A', in substantially the same manner, and adapted to fasten to a rope, belt, &c., by means of the clamping-ring B, as herein described.

What I claim as my invention is—

An eye or other device for fastening to a rope, belt, &c., provided with a conical sleeve, A', separated at opposite sides through its entire length, and having its interior surface grooved or otherwise roughened, as herein described, in combination with a clamping-ring, B, adapted to drive on the conical sleeve A', as and for the purpose specified.

JOHN GIBBONS.

Witnesses:

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