(No Model.)

A. H. ARMSTRONG.

GAG RUNNER.

No. 304,061. Patented Aug. 26, 1884.

Fig. 1.

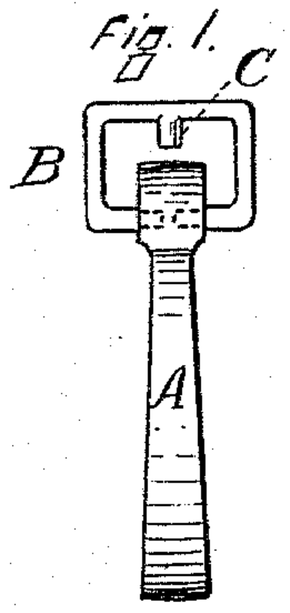


Fig. 2.

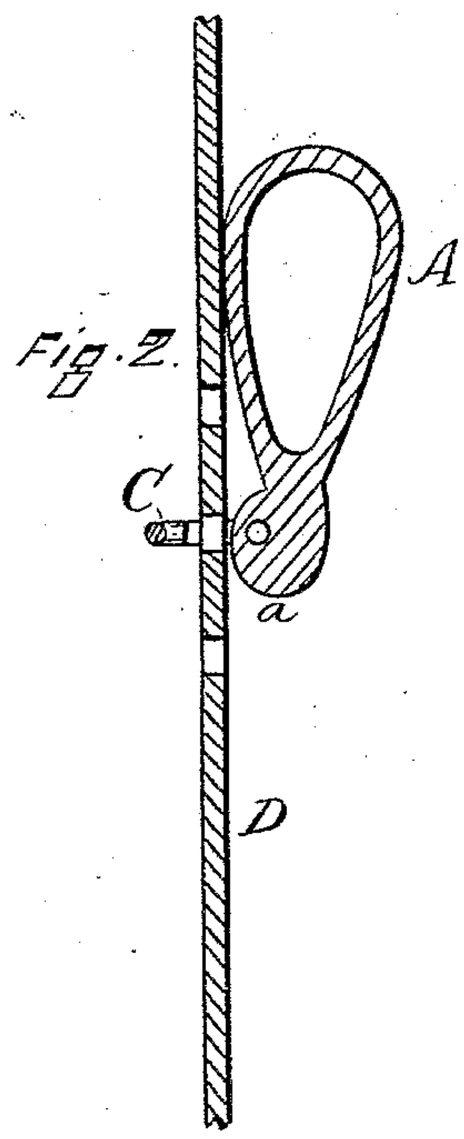
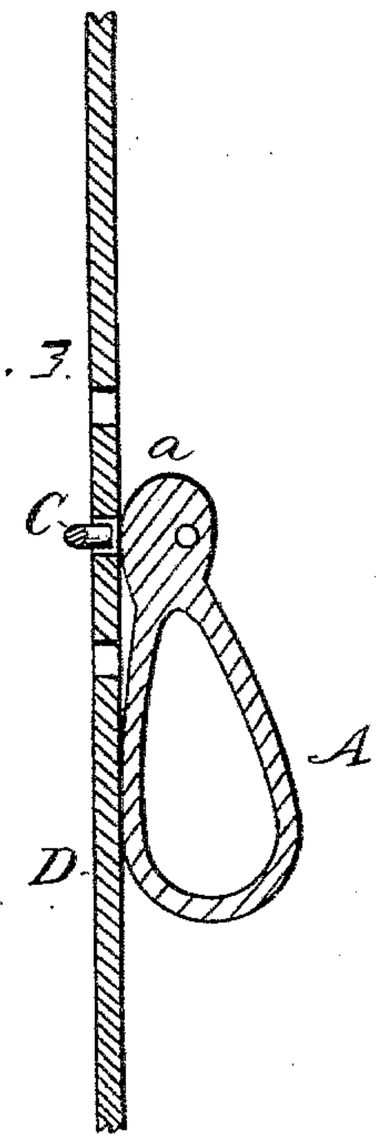


Fig. 3.



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UNITED STATES PATENT OFFICE.

ARTHUR H. ARMSTRONG, OF PLAINVILLE, CONNECTICUT.

GAG-RUNNER.

SPECIFICATION forming part of Letters Patent No. 304,061, dated August 26, 1884.

Application filed March 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, ARTHUR H. ARMSTRONG, a citizen of the United States, residing at Plainville, in the county of Hartford and State of Connecticut, have invented a certain new and useful Gag-Runner, of which the following is a specification, and is illustrated by the accompanying sheet of drawings.

My invention relates to gag-runners; and it consists in so constructing the parts of which it is composed that it can be readily attached to a common bridle-strap, and when once in position it is firmly and securely held. These parts of which it is composed are a peculiar loop, differing from the loops in ordinary use, as hereinafter pointed out, and a frame to inclose the buckle-strap and secure the loop in place. Between the loop and the frame a hinged connection is formed, so that the loop can assume any position relatively to the strap without disturbing the relation of the frame to the strap itself, whereby the gag-runner may be securely held in place or quickly detached or shifted in position, as desired.

The accompanying drawings illustrate my invention, and Figure 1 is a plan view of my improved gag-runner. Fig. 2 is a longitudinal sectional view of my improved gag-runner as applied to a harness-bridle, and is in that position which admits of its adjustment to the bridle; and Fig. 3 is a like view showing my improved gag-runner as applied to a harness-bridle and adjusted thereto.

In the drawings, A designates the loop part of my improved gag-runner, and B represents the frame portion of the same, whereby it is secured to the strap, from which it is suspended when in use. This loop part of my invention is provided with a cam-shaped shoulder, *a*, upon one side of the axis, which connects it with the frame portion of my invention, as seen in the drawings. Upon that portion of the frame which is opposite the axis upon which the loop portion rotates is a pin-like projection, C. The distance between the end of the pin-like projection and the portion of the loop adjacent to it corresponds substantially with the thickness of the strap when the position of the parts is such as is shown in Fig. 2; but when the position of the parts is such as is shown in Fig. 3, with the cam-shaped shoulder of the loop next to the strap, the pin-like projection of the frame is drawn into the holes in the strap provided for that purpose, and all strains upon the loop that are incident to its use upon the harness cause it to be held all the more firmly in place.

The mode of adjusting my improved gag-runner is extremely simple and effective, and is as follows: I first fold the loop A into the position shown in Fig. 2, in which position the strap can easily be inserted. I then fold or allow the loop A to fall into the position shown in Fig. 3, the pin-like projection having first been brought opposite to one of the holes in the strap. By this operation the pin is drawn into the hole, as shown in Fig. 3, the cam-shaped shoulder *a* preventing the parts from becoming disengaged until the loop is made to assume a position exactly opposite to that which is assumed in actual use upon the harness.

I claim as my invention—

1. In a harness gag-runner, the combination of the cam-shaped shoulder *a* upon the loop A, with the pin-like projection C upon the frame B, substantially as described.

2. A gag-runner consisting of the loop A with its cam-shaped shoulder *a*, and the frame having a pin-like projection, C, for co-operating with the cam-shoulder *a*, substantially as described.

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