

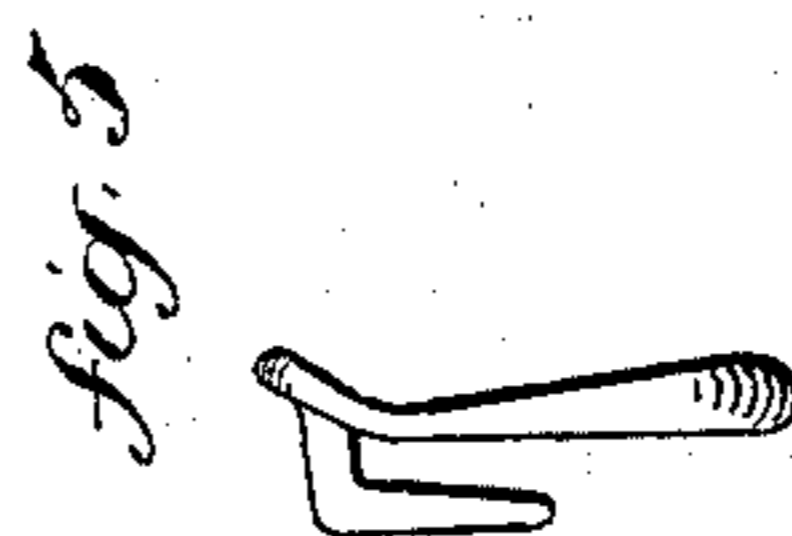
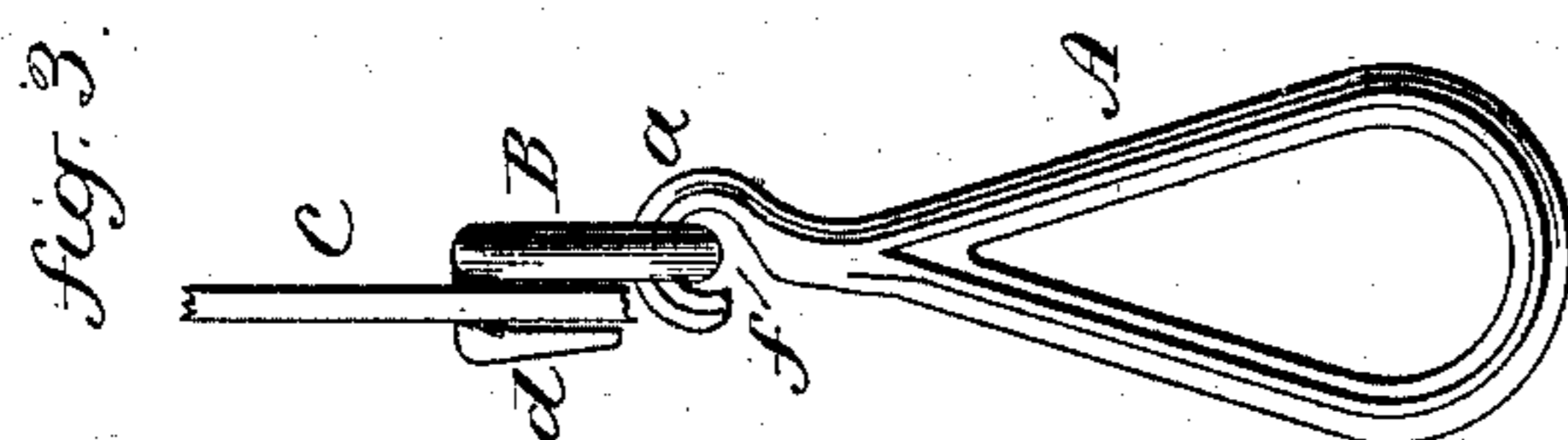
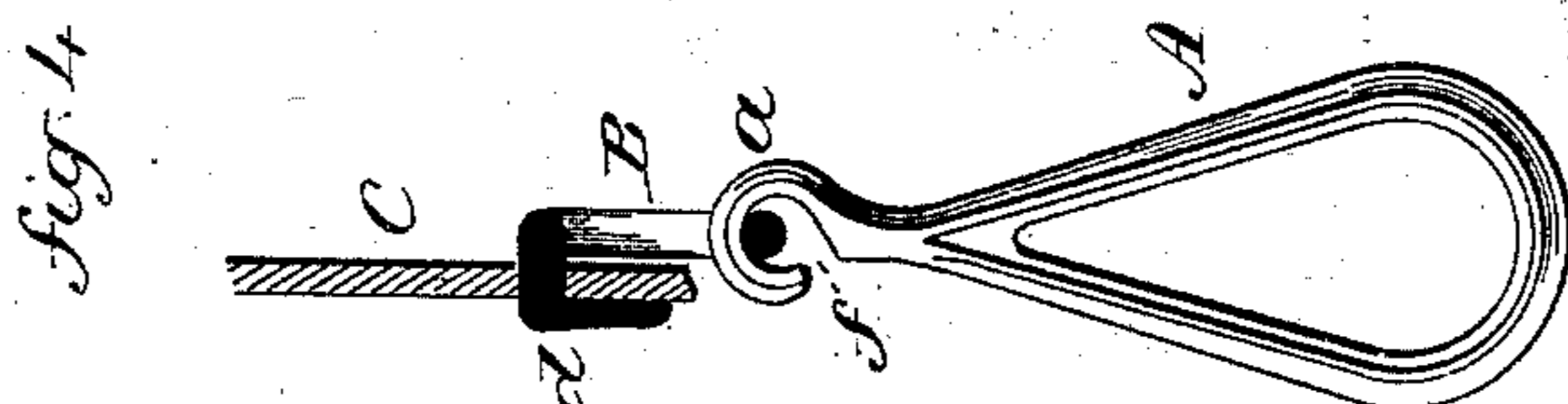
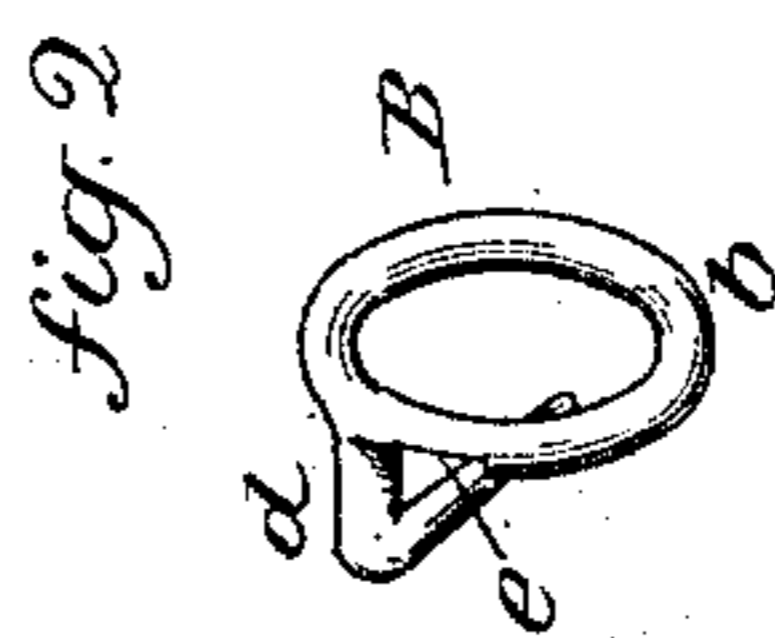
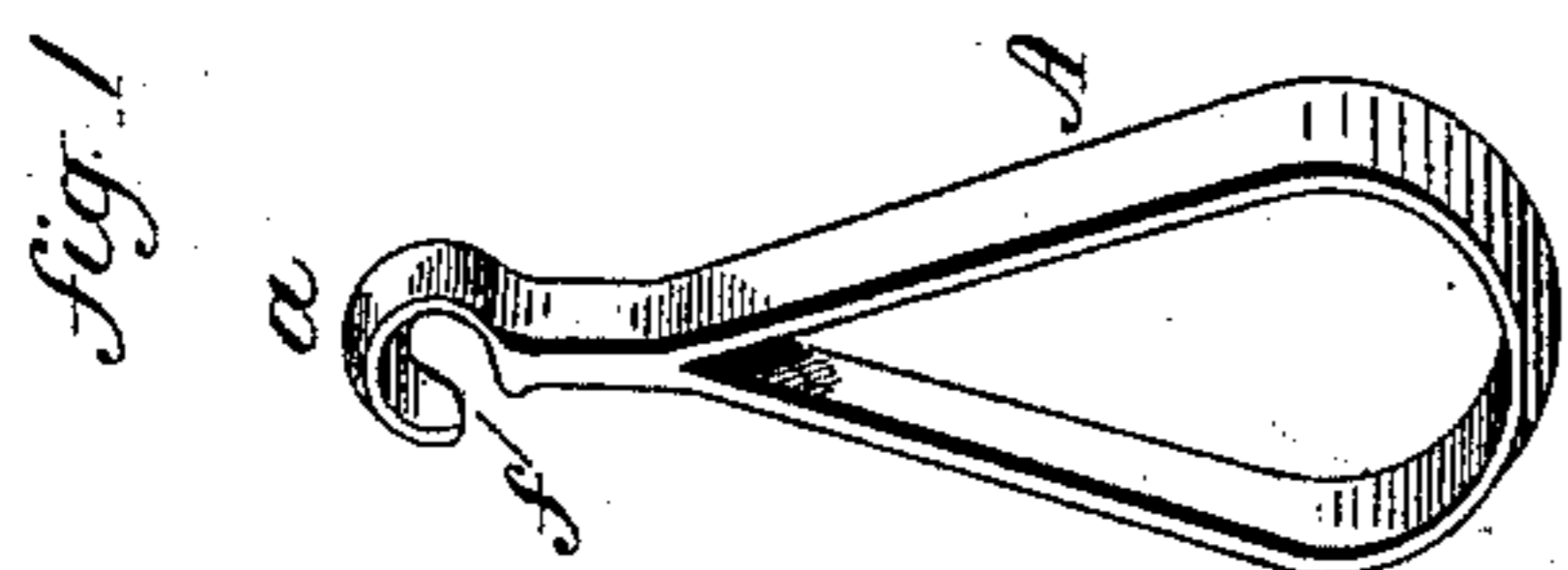
(No Model.)

R. G. HANFORD, Jr.

GAG RUNNER.

No. 277,716.

Patented May 15, 1883.



Witnesses.
John P. Hummer
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UNITED STATES PATENT OFFICE.

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GAG-RUNNER.

SPECIFICATION forming part of Letters Patent No. 277,716, dated May 15, 1883.

Application filed February 7, 1883. (No model.)

To all whom it may concern:

Be it known that I, ROBERT G. HANFORD, Jr., of Columbus, in the county of Franklin and State of Ohio, have invented a new Improvement in Gag-Runners; and I do hereby declare the following, when taken in connection with accompanying drawings and the letters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a perspective view of the loop; Fig. 2, a perspective view of the attaching-ring; Fig. 3, a front view, showing the runner attached to the strap; Fig. 4, a vertical central section of the same; Fig. 5, a modification of the ring.

This invention relates to an improvement in the article of harness-trimmings commonly called "gag-runners"—that is to say, a loop on the bridle through which the check-rein runs—the object of the invention being to construct the loop and the device by which it is attached separate and independent from each other, and so that they may be readily put together and attached to the bridle, and whereby a variety of styles of attaching-rings may be used with the same loop, or variety of loops with the same attaching-ring; and it consists in the construction of the loop and its attachment, as more fully hereinafter described, and particularly recited in the claim.

A represents the loop, cast with an open hook, *a*, at its upper end; B, the attaching-ring, which may be of any convenient shape, but so as to leave the lower portion, *b*, rounded. On its rear upper side is an L-shaped hook, *d*, the leg of the L turned downward, and substantially parallel to the ring B, and distant from the rear surface of the ring substantially equal to the thickness of the strap C. Near the hook *d* the ring is reduced in thickness by cutting a notch, *e*, in its rear surface, the thickness of the ring at this reduced portion being equal

to or little less than the mouth *f* of the hook *a*, and so that the hook of the loop may be passed onto the ring through this reduced thickness, and then swung around to its vertical position, as seen in Fig. 3. It is securely held, because the ring is of greater transverse section than the mouth of the hook, and when the loop has been thus engaged with its ring the ring may be attached to the strap C, as seen in Fig. 4, by introducing the L-shaped hook through the hole in the strap to bring the leg of the hook upon the inside of the strap, while the ring lies upon the outside.

Instead of cutting a notch, *e*, in the ring, it may be simply a gradual reduction in thickness of the side of the hook, as seen in Fig. 5.

By this construction the two parts are formed complete in the process of casting, requiring no mechanical manipulation, and may be readily engaged the one with the other, and a great variety of styles of loops and rings may be produced, the parts interchangeable one with another to increase the variety and accommodate the tastes or requirements of the trade.

I have described the attaching device as a ring, because the first illustration as made is round; but this ring may be of any desirable shape—as, for illustration, such as seen in Fig. 5. By the term "ring," therefore, I do not wish to be understood as limiting the invention to a round ring shape.

I claim—

The herein-described improvement in gag-runners, consisting of the loop A, constructed with the open hook *a* at its upper end, combined with the ring B, constructed with the L-shaped hook *d* upon its upper rear side, the said ring reduced in thickness near the L for the attachment of the loop, substantially as described.

ROBERT G. HANFORD, JR.

Witnesses:

H. M. BUTLER;
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