

G. RUSSELL.

Halter-Fasteners and Cattle-Ties.

No. 147,023.

Patented Feb. 3, 1874.

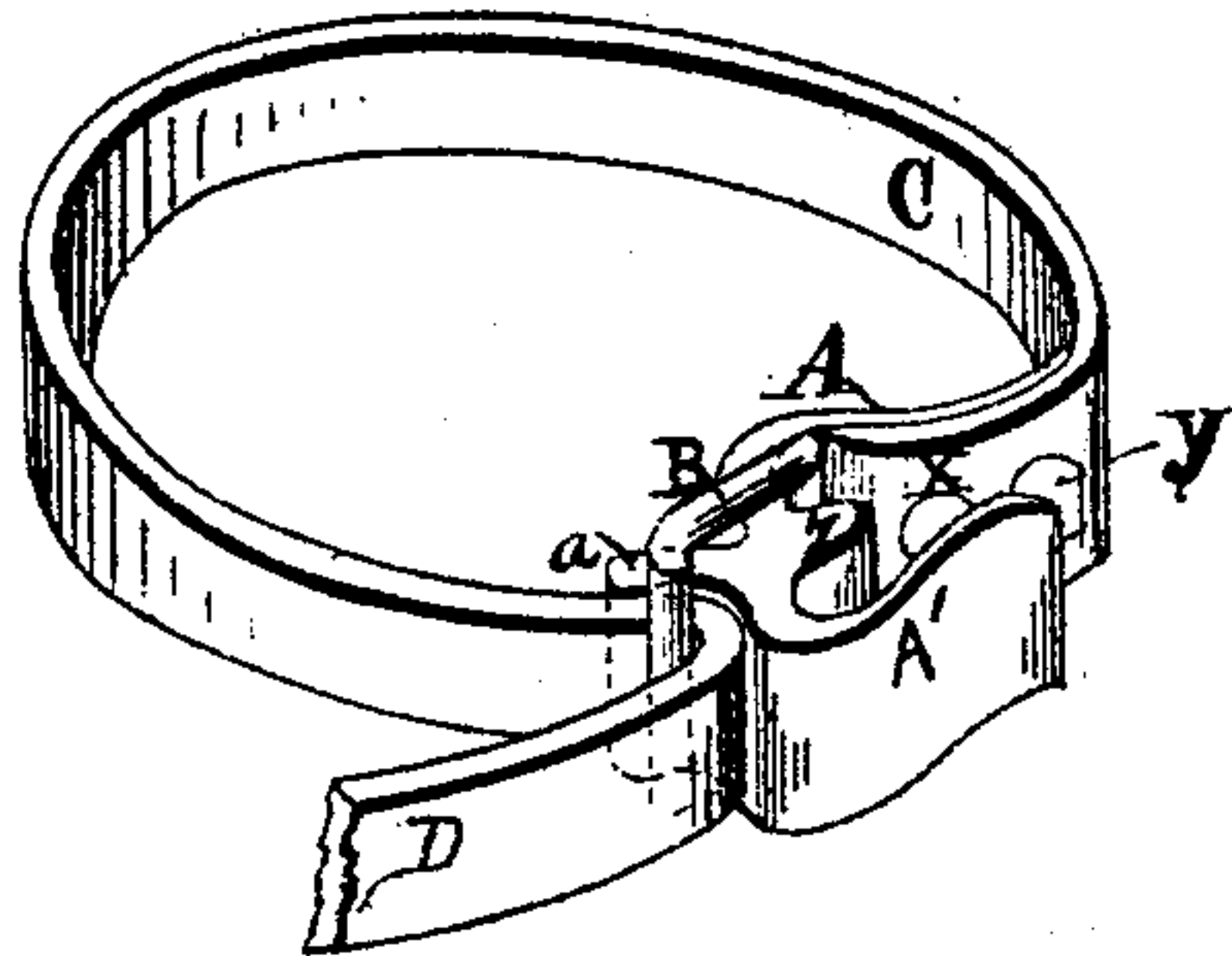


Fig. 1.

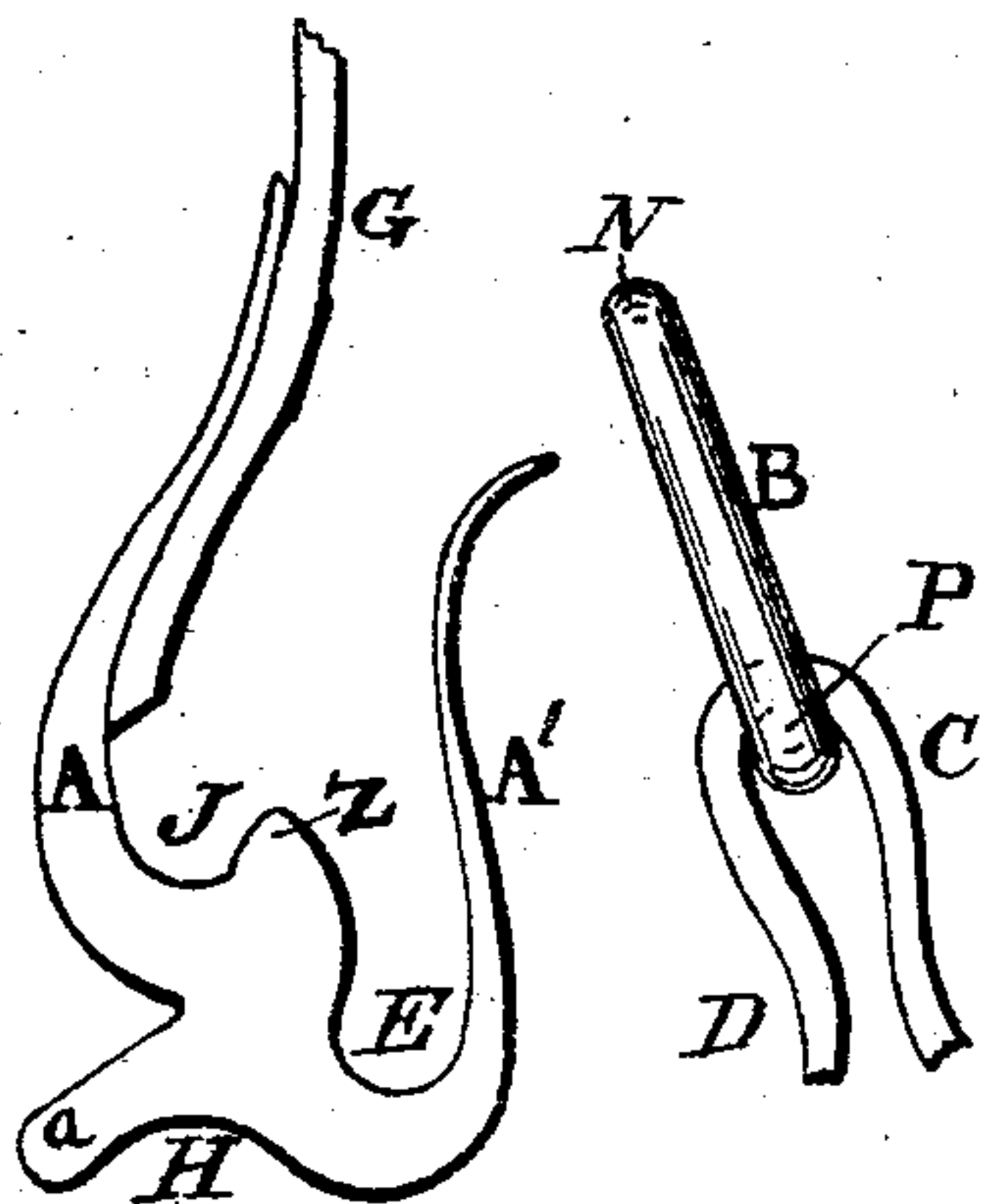


Fig. 2.

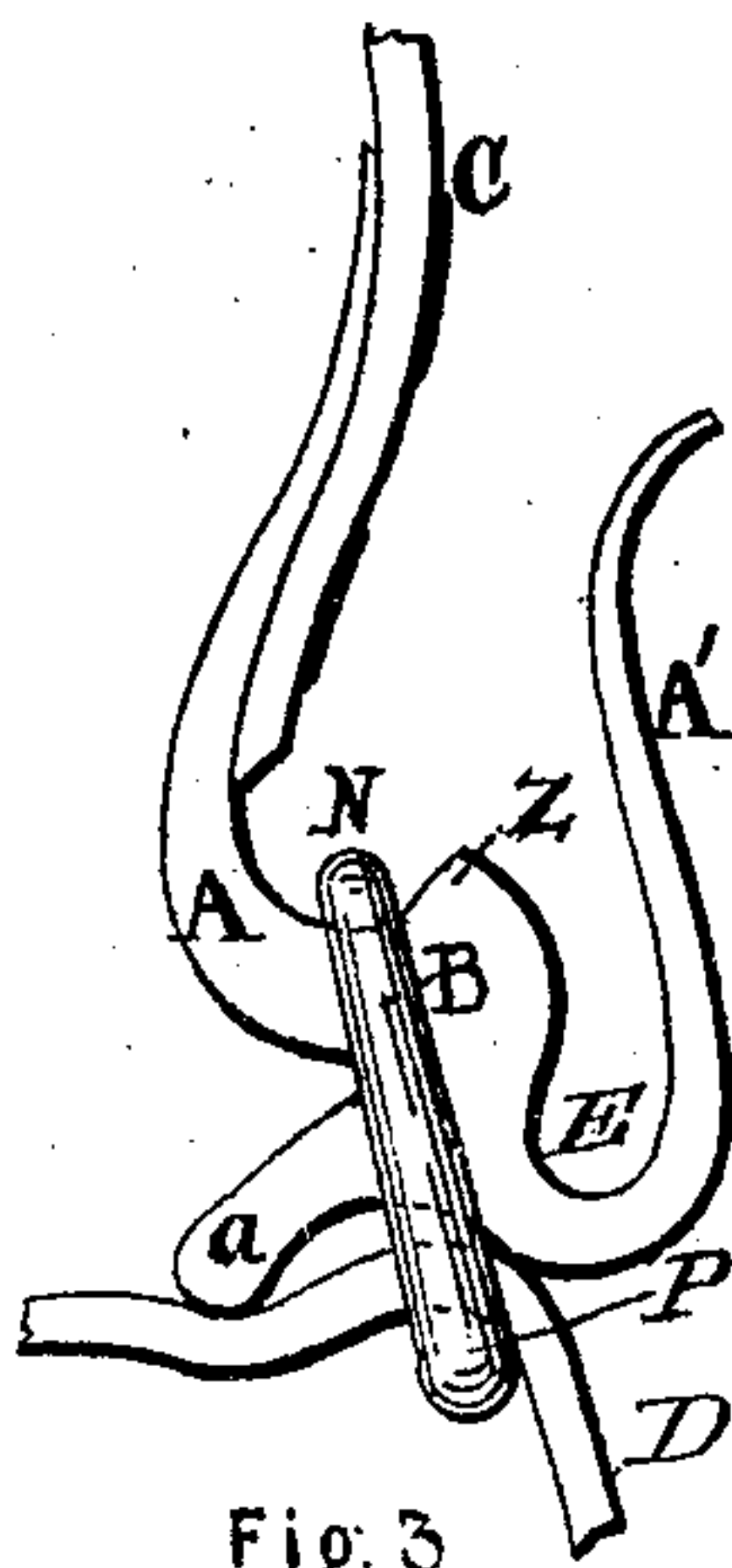


Fig. 3.

WITNESSES

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# UNITED STATES PATENT OFFICE.

GEORGE RUSSELL, OF GROTON, MASSACHUSETTS.

## IMPROVEMENT IN HALTER-FASTENERS AND CATTLE-TIES.

Specification forming part of Letters Patent No. **147,023**, dated February 3, 1874; application filed November 15, 1873.

*To all whom it may concern:*

Be it known that I, GEORGE RUSSELL, of Groton, in the county of Middlesex, State of Massachusetts, have invented a certain new and useful Improvement in Friction Halter-Fasteners and Cattle-Ties; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings forming a part of this specification, in which—

Figure 1 is a perspective view, showing my improved fastener in use. Fig. 2 is a side elevation of the fastener, showing the slide detached. Fig. 3 is a side elevation, showing the slide in place.

Like letters refer to like parts in the different figures of the drawings.

The object of my invention is to furnish a neat, cheap, and effective means of fastening a halter or cattle-tie in any desired position, either around the neck of the animal or to a stanchion-ring or other fixture.

It is well known by those conversant with such matters that a buckle soon becomes bent or broken, and that to use it a series of holes has to be made in the strap, which very much weakens it; besides, the strain falling all upon the tongue, the requisite security cannot be afforded in a buckle of ordinary construction. These objections are entirely obviated by my invention, which consists in providing the halter or tie-strap with a peculiarly-constructed hook and a loose loop or clasp, which act together when a strain is exerted upon the halter-strap in such a manner as to bind or fasten it in any desired position, as will be understood by the following description.

In Fig. 1, C is the halter; A, the hook; and B the loop or slide. The hook is riveted or permanently attached to one end of the halter-strap by the rivets *x y*, and is provided with a projection or guard, *z*, located in the bend of

the same, and also with the projection or cramp *a*, Figs. 1 and 2.

To use my improved fastener, the slide B being on the halter-strap, the strap is bent, as shown in Fig. 2, D C. The slide is then passed over the lip of the hook A' until the top part N is brought down into the bend or cavity E of the hook A. The lower part P of the slide B is then carried forward and pushed upward into the cavity H, the strap being kept bent, as shown at C D. At the same time the upper part N of the slide is passed over the guard or projection *z* and allowed to drop into the cavity J, as shown in Fig. 1. If, now, the strap is released from the hand and a strain is exerted upon the end of the halter D the strap will be cramped or prevented from slipping through between the slide and hook by means of the projection *a*, as seen in Fig. 3, the pulling strain on the end of the halter D and the corresponding resisting strain on the end C tending to bring the projection *a* and lower part P of the slide B forcibly together, (the hook A and slide B then having a common center of motion at N,) by which means the strap will be wedged or clamped and firmly held in position.

It will be seen that after the strap is released by the hand, the part D will be kept in the cavity J until the strap is again bent or doubled over, as seen at C D, Fig. 2.

Having thus described my invention, what I claim is—

A friction halter-fastener and cattle-tie, consisting of the hook A, constructed as described, in combination with the slide B, arranged and used substantially in the manner set forth and specified.

GEORGE RUSSELL.

Witnesses:

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ALDEN WARREN.