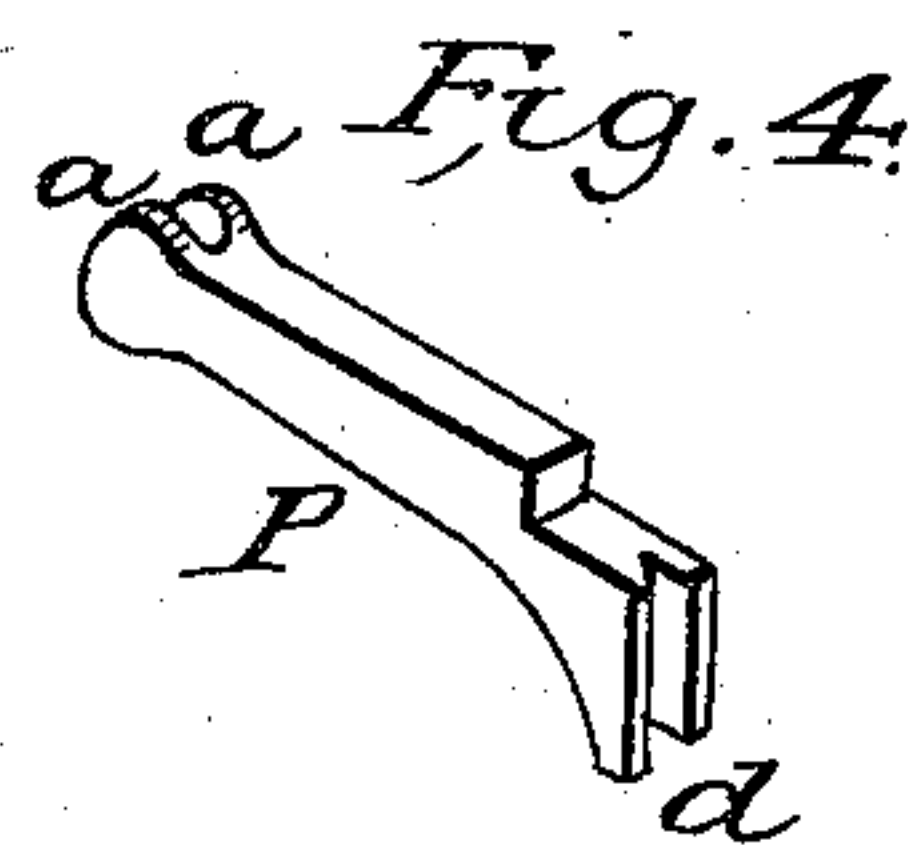
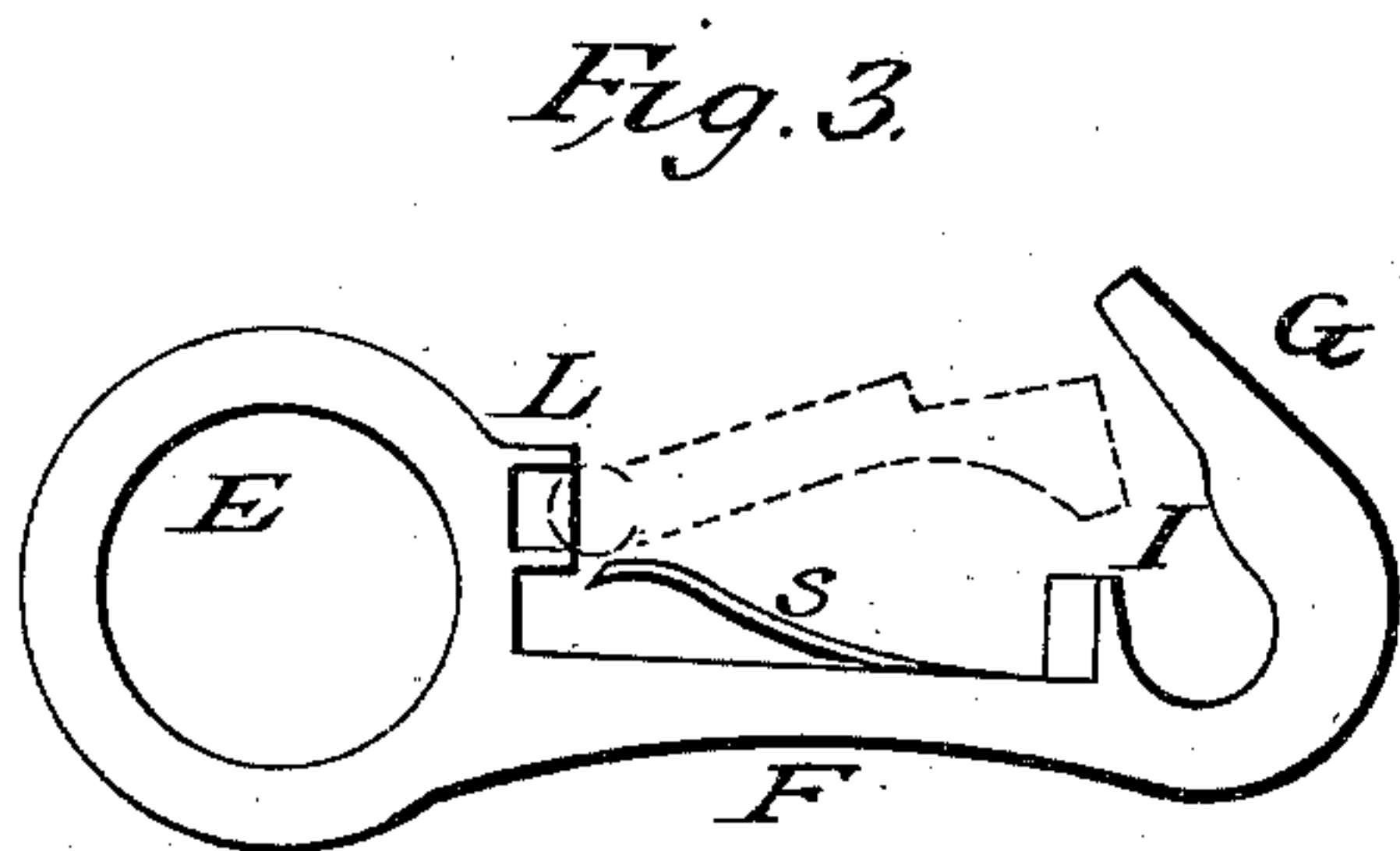
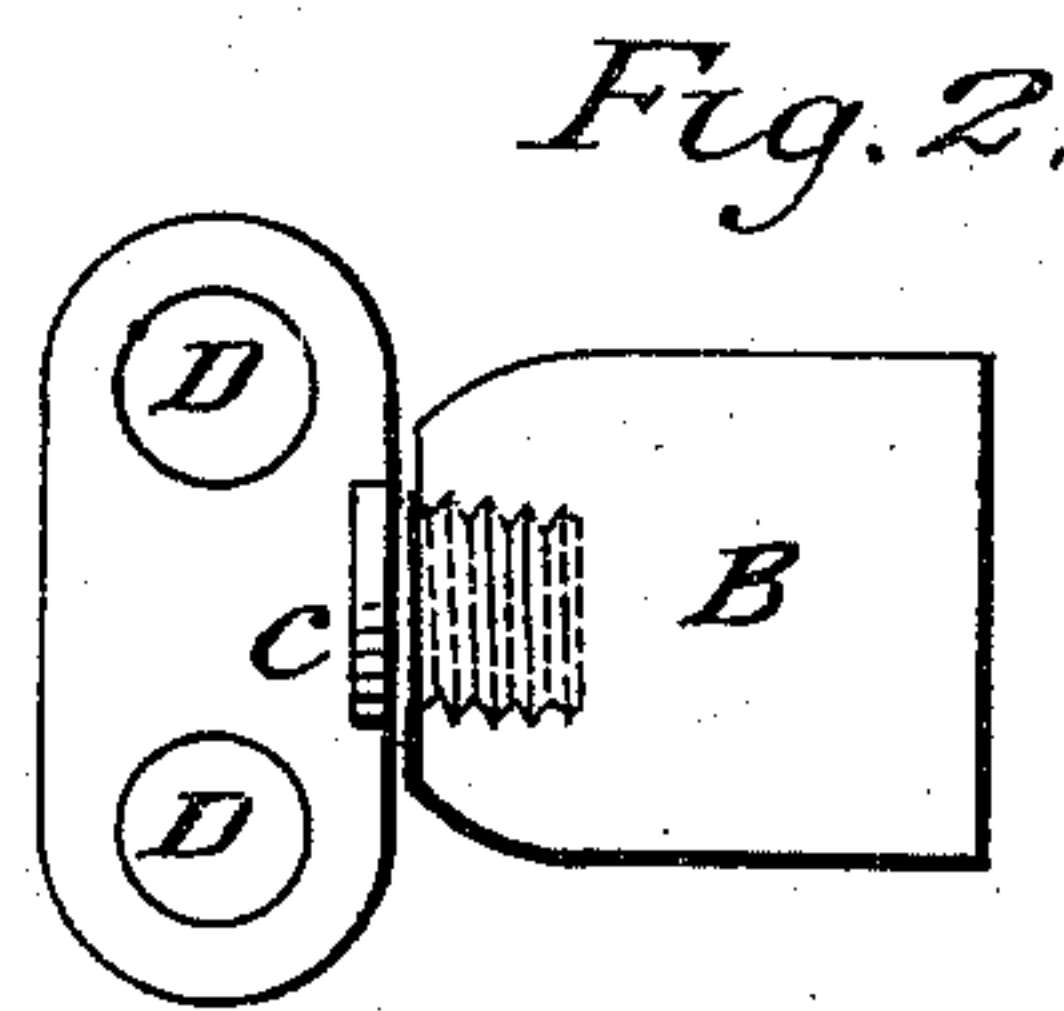
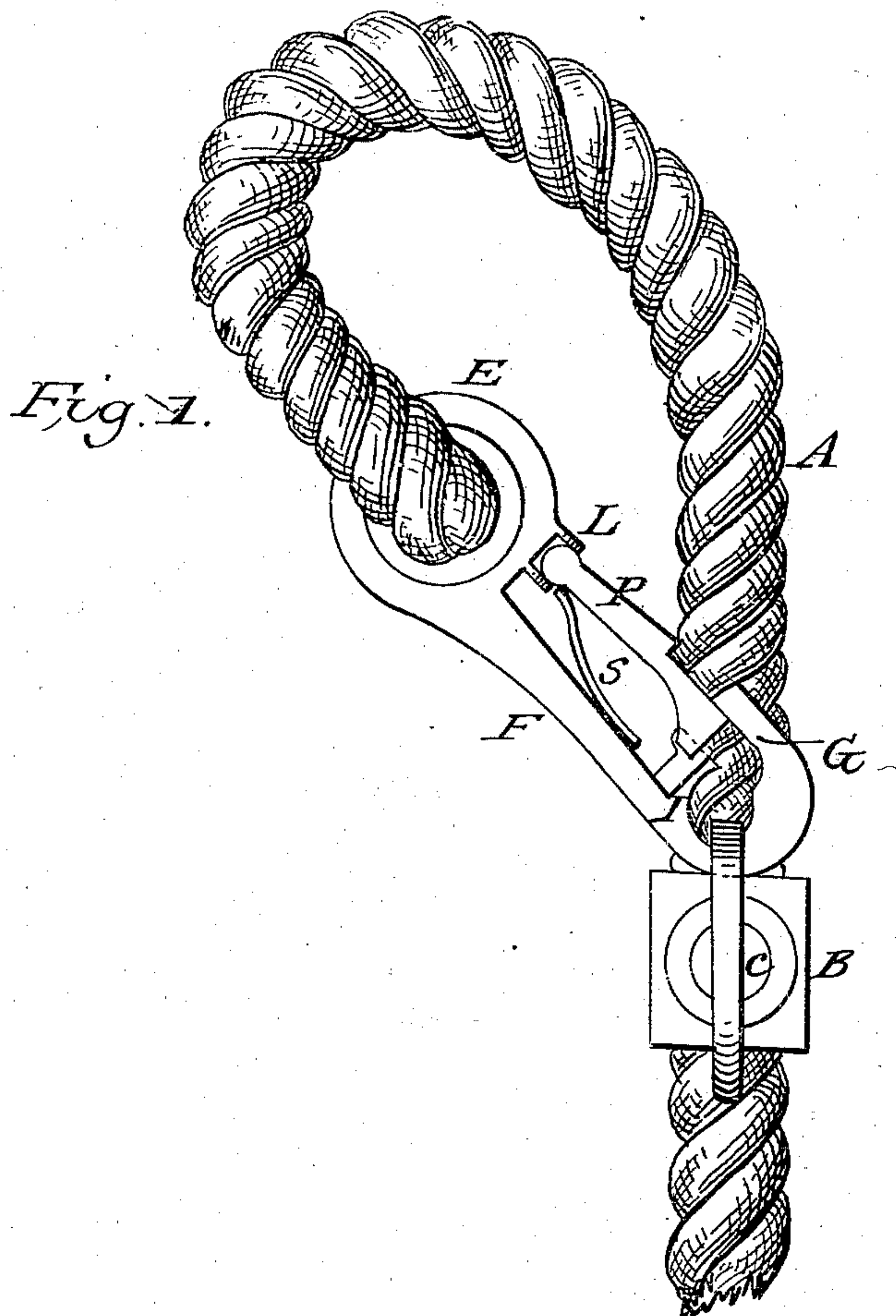


J. WIARD.
Cattle Tie.

No. 78,849.

Patented June 9, 1868.



Witnesses:
a J. Diffie,
J. H. Shumway

Inventor:
John Wiard,
By his Attorney,
John E. Earle,

United States Patent Office.

JOHN WIARD, OF NEW BRITAIN, CONNECTICUT.

Letters Patent No. 78,849, dated June 9, 1868.

IMPROVEMENT IN CATTLE-TIE.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN WIARD, of New Britain, in the county of Hartford, and State of Connecticut, have invented a new Improvement in Cattle-Tie; and I do hereby declare the following, when taken in connection with the 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 view of the tie complete,

Figure 2, the adjustable socket of the halter, and in

Figures 3 and 4, the construction of the snap by which the tie is secured.

This invention relates to an improvement in what is called a "cattle-tie," that is to say, a rope provided with the means for securing the same about the neck or horns of the animal; and the invention consists—

First, in the construction of the snap or hook by means of which the rope is secured around the neck or horns of the animal.

Second, in the adjustable socket, for the purpose of accommodating the tie to different necks or horns.

In order to the clear understanding of my improvement, I will fully describe the same as illustrated in the accompanying drawings.

A is the rope, such as is commonly used for tying cattle.

B is a socket, constructed so as to pass freely over the rope, as in fig. 1, and in one side of which is fitted a thumb-screw, C, so that when the said thumb-screw is turned hard down upon the rope, the socket will be held firmly in that position, and may be adjusted to different positions on the rope by loosening the screw, and sliding the socket accordingly.

The head of the thumb-screw C is constructed with a hole, D, at each end, so as to form a means of attachment of the end of the rope thereto. At the end of the rope a snap-hook is attached, by means of the ring or eye E, formed upon the body F of the hook.

The construction of the hook is as follows: The eye E and body F, with the hook G, are formed (in the position as denoted in fig. 3) from any suitable material, as brass or malleable iron, and upon the body of the hook is formed a lug, I, projecting upward towards the point G, the edge of the said lug toward the eye being of A-form, and upon the base, at the eye, is constructed a seat, L, to receive the snap P, the said snap P being constructed as seen in fig. 4, its rear end with ears *a*, which set into the recessed seat L, (or, if preferred, the recess may be in the seat, and a tenon on the end of the hook,) so that the end of the hook will slip on to the said seat, and the forward end *d* made V-shape, so as to set down over the lug I, as seen in fig. 1, and when so set down, the seat holds one end in position, the lug I the other, and when the snap has been so placed, the point G is bent down, as seen in fig. 1.

In fig. 3, the tie is represented in red, as being inserted.

Upon the base, at any convenient point, I arrange a spring, S, the tendency of which is to support the snap against the hook, as in fig. 1. Thus no riveting is required for the hinge of the snap, and it cannot by any possibility get out of place, and the lug I prevents whatever the hook is attached to from passing up to interfere with the spring.

The tie is placed around the animal's neck or horns, the socket B properly adjusted, and the thumb-screw turned, so that the hook will pass into a hole in its upper end, or the end nearest the hook, so that whatever strain is brought to bear upon the tie only serves to more firmly retain the thumb-screw in its proper position; therefore, so long as the tie is around the animal's neck or horns, the screw of the socket cannot be loosened.

I do not wish to be understood as broadly claiming an adjustable cattle-tie; but

What I do claim as new and useful, and desire to secure by Letters Patent, is—

1. The socket B, combined with the thumb-screw C, when the said thumb-screw is provided with a head, having a perforation at one or both ends, so far to one side from the centre or axis of the screw as that, when the tie is secured, the screw will be prevented from turning, substantially as herein set forth.

2. The hook G, formed upon the base, F, constructed with the lug I and seat L, and provided with an eye, E, or its equivalent, and combined with the snap P, when the said snap is attached to its seat L, and supported by the lug I, substantially as herein set forth.

Witnesses:

T. A. CONKLIN,
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JOHN WIARD.