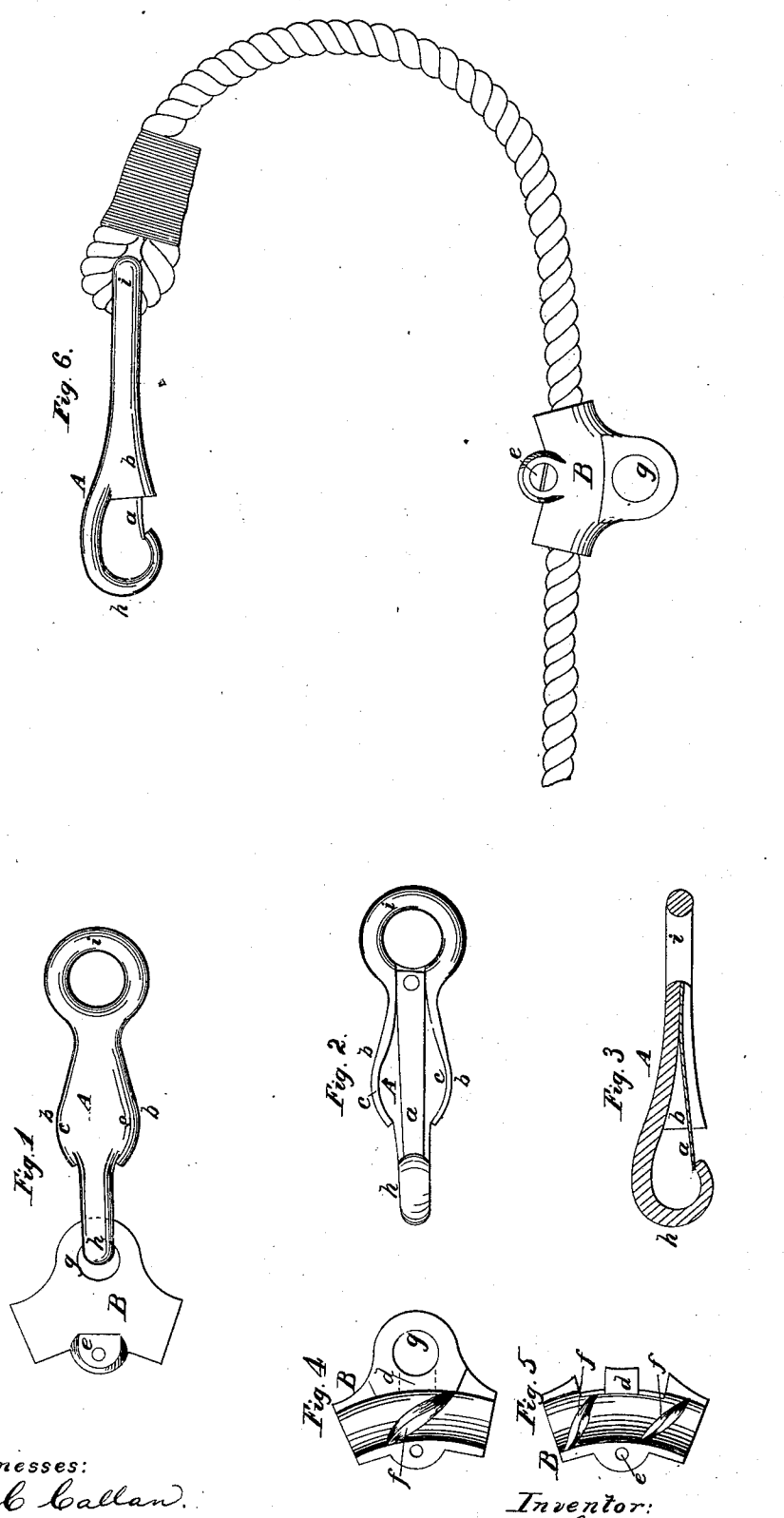
G. HULL.

CATTLE TIE.

No. 29,790. Patented Aug. 28, 1860.



Witnesses:

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by Atty A. Gregory

UNITED STATES PATENT OFFICE.

GEORGE HULL, OF PORT CRANE, NEW YORK.

CATTLE-TIE.

Specification of Letters Patent No. 29,790, dated August 28, 1860.

To all whom it may concern:

Be it known that I, GEORGE HULL, of Port Crane, in the county of Broome and State of New York, have invented a new and useful Improvement in Cattle-Ties; and I do hereby declare that the following, taken in connection with the drawing which accompanies and forms part of this specification, is a description thereof so full and clear as to enable others to make and use my invention.

In the accompanying drawing, Figure 1 represents a back view of the "snap" attached to the "clasp" as these two parts, making the "tie," appear when forming an article of commerce or for sale; Fig. 2 is an inside or face view of the snap detached, and Fig. 3 a longitudinal section thereof; Figs. 4 and 5 are interior views of the two halves of the clasp, detached; and Fig. 6 represents the "tie" attached to a rope as for use, or as the same may be applied.

The tie represented in the accompanying drawing is composed of two parts or pieces, and which may be denominated the snap and clasp. The snap (A) is or may be lashed to the one end of a rope, while the clasp (B) is or may be secured on the rope at a suitable distance from said end to admit of a holding loop being formed around the head or neck of the animal and locking of the same by the union of the snap with the clasp. The other end of the rope may be permanently or otherwise secured to a post or wall or it may be left free to be held by hand, accordingly as the tie is required for stabling, leading, or other purposes.

The snap (A) differs from the ordinary wire rein snap and others of the same class, also from the snap used in connection with a nose or bull's ring, in certain peculiarities of construction. Thus, the opening and closing lip or spring (*a*) is bound and protected on either side by guards (*b b*), which not only keep the spring from injury but prevents its displacement from any obstacle crowding on it or from the rubbing of the cattle. A cross piece directly over the spring may unite these guards to assist in thus protecting the spring and prevent its accidentally unhooking. These guards are made of a swelled form at *c*, *c*, to permit of the easy insertion of the thumb or finger to press the spring inward when it is required to unhitch the snap.

The clasp (B) is also peculiarly constructed. It is made in two pieces or halves to facilitate the placing and adjusting of it on the rope, the two halves fitting together and being secured by a tongue and socket joint (*d*) on the one side and screw (*e*) on the other, or otherwise suitably connected, and presenting when united a body of angular or curved form in direction of its length which causes the rope to bend or adjust itself to the head or neck of the cattle. The body of said clasp is also made or provided with spiral grooves or ribs (*f*) on its interior to bite between the strands of the rope, without weakening or cutting the latter, but serving to hold the clasp fast and keep it from slipping on the rope.

g, is the eye or loop of the clasp to receive the hook (*h*) of the snap, and, *i*, is the ring of the latter for lashing it to the end of the rope.

This construction of the snap and clasp forms a much more perfect cattle tie than has heretofore been produced. By it, the cattle may be securely held, for both the embedding and protecting of the snap spring by guards as described, and the grip on the rope of the clasp by its spiral ribs, combine to prevent the cattle from getting loose when rubbing or tossing their heads, either by the untimely unhooking of the snap or the slipping of the clasp on the rope, and thus both the snap and clasp by their peculiar construction have a common end in view.

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

1. Embedding the spring (*a*) in the body of the snap by forming the latter with side guards (*b b*) constructed and arranged substantially as shown and described.

2. Constructing the clasp body of curvilinear or other equivalent form in direction of its length, and providing its interior with spiral grooves or ribs (*f*) essentially as herein set forth.

In testimony whereof, I have hereunto subscribed by name.

GEORGE HULL.

Witnesses:

LORING COOK,

E. A. SMITH.