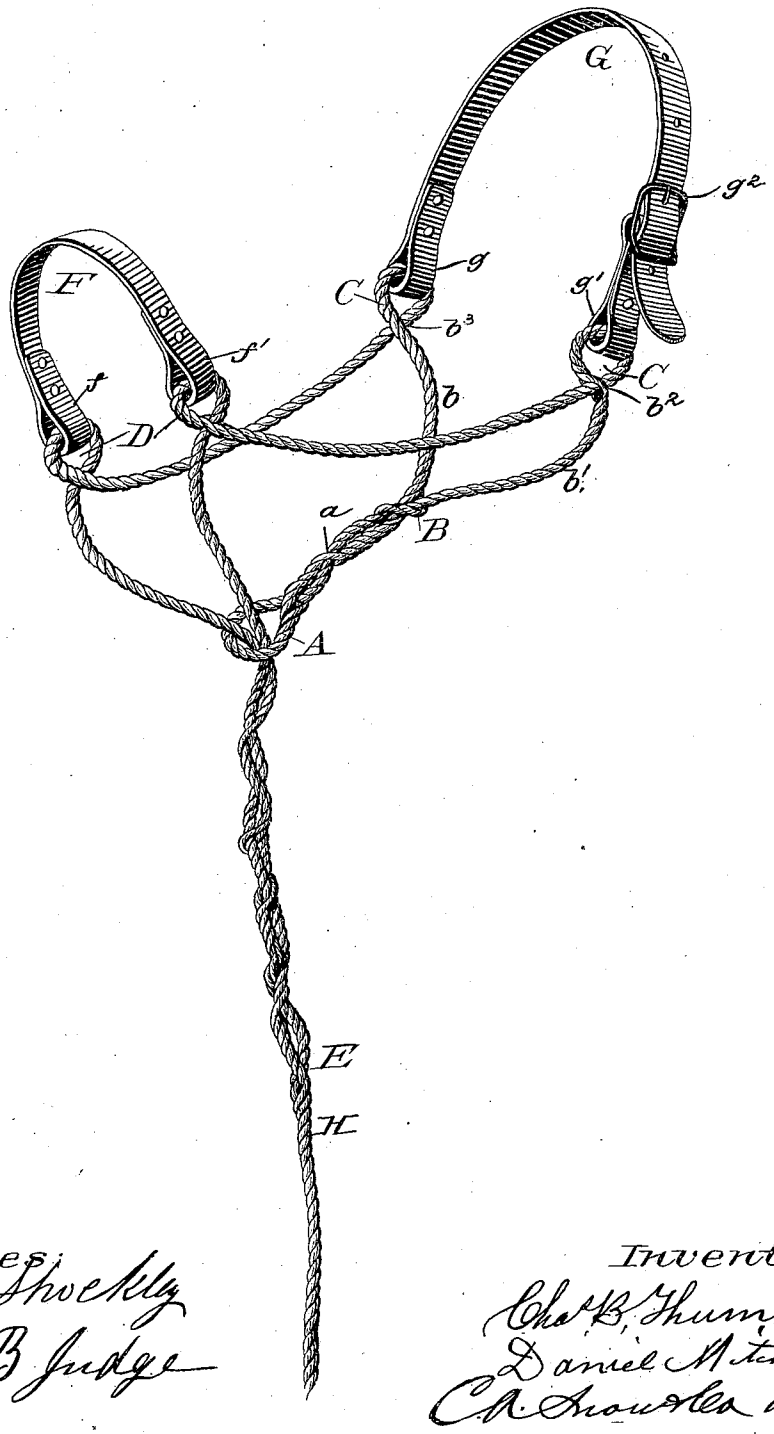
(No Model.)

C. B. THUMMEL & D. MITCHELL.

HALTER.

No. 357,643. Patented Feb. 15, 1887.



Witnesses;
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UNITED STATES PATENT OFFICE.

CHARLES B. THUMMEL AND DANIEL MITCHELL, OF AXTELL, KANSAS.

HALTER.

SPECIFICATION forming part of Letters Patent No. 357,643, dated February 15, 1887.

Application filed July 26, 1886. Serial No. 209,189. (No model.)

To all whom it may concern:

Be it known that we, CHARLES B. THUMMEL and DANIEL MITCHELL, citizens of the United States, residing at Axtell, in the county of Marshall and State of Kansas, have invented certain new and useful Improvements in Halters, of which the following is such a full, clear, and exact description as will enable persons skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters and figures of reference thereon.

Our invention relates to improvements in combined rope and leather halters, and its object is to increase the efficiency of halters of this description, and at the same time diminish the cost of making them.

To this end our invention consists in certain novel features of construction, which are shown in the accompanying drawing, and which will be hereinafter fully described, and then pointed out in the claims.

In the drawing we have shown a perspective view of a halter constructed in accordance with our invention.

In carrying out our invention we employ a leather nose-piece, F, and a leather crown-piece, G, of the usual construction, having the loops $f f'$ and $g g'$, respectively, at their ends. The crown-piece G, as shown, has the loop g' formed separate from the main portion, and connected therewith by a buckle, g^2, so that the said crown-piece may be adjusted so that the same halter may be used on different horses. The nose-piece F may, if so desired, be constructed in the same manner. Having provided the nose and head or crown pieces, we next take a rope, H, and "double" or bend it upon itself, forming the loop A and the two rope ends $b\ b'$. This loop A forms the end of the bolt, which is constructed by interweaving the two portions of the rope from the loop A to a point, B, from which point they diverge, as will be presently more fully referred to. The interweaving of the two portions of the rope consists in slightly separating the strands of one portion and inserting the other portion through the openings thus formed. The interweavings are formed alternately—*e. g.*, we separate the strands of one rope portion, *b*, at the first point of intersection, and at the next intersection, *a*, separate the strands of the other portion, *b'*. From the point B the two ropes, or rather portions of the same rope, diverge, passing to the ends of the crown or head piece G, and through the loops $g\ g'$ at the ends thereof. The ropes are inserted through the loops $g\ g'$ from the bottom, so as to pass out at the top, and being brought down along the cheeks of the animal intersect or cross themselves just back of or below the loops at the points $b^2\ b^3$, thereby forming the loops C. The points of intersection $b^2\ b^3$ of these loops are interwoven in the manner before described. The ropes pass down alongside the cheeks of the animal from the crown-piece to the loops $f f'$ at the ends of the nose-piece F, through which they are inserted from the bottom, and to the rear of which they are made to intersect, and forming the loops D are interwoven in the same manner as they are treated at the loops $g\ g'$. The two portions of the rope are then inserted through the loop A, and are interwoven for a short distance to a point, E, so as to form the handle or tie portion of the halter.

From the foregoing description it will be seen that we have provided a halter consisting entirely of the nose-piece, the head-piece, and a single rope. By interweaving the rope, as shown and described, the use of all additional securing and retaining devices—such as a sleeve along the bolt, or rings or buckles at the loops C D—is dispensed with. Thus it will be seen that we have provided a halter which is simple in construction, efficient in operation, and manufactured at a slight cost.

Having thus described our invention, we claim—

1. A halter comprising leather nose and crown pieces, and a single retaining and securing rope doubled on itself and having its two portions interwoven at the several points of intersection, substantially as set forth.

2. The combination, in a halter, of the leather nose and crown pieces having loops at their ends, and the retaining and securing rope doubled upon itself and having its two portions passed through the loops at the ends of the nose and crown pieces, and intersecting and being interwoven with themselves back of or below the said loops, substantially as set forth.

3. The herein described and shown halter, comprising the leather nose and crown pieces, and the rope H doubled upon itself, forming the loop A, the two portions of the rope being then made to cross each other, and being interwoven at the points of intersection to a point, B, from which they diverge, and are passed through loops at the ends of the nose and crown pieces, and then passed from the nose-piece through the loop A, formed by doubling the rope, below which the two portions are interwoven to form the tie portion of the halter, as set forth.

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