

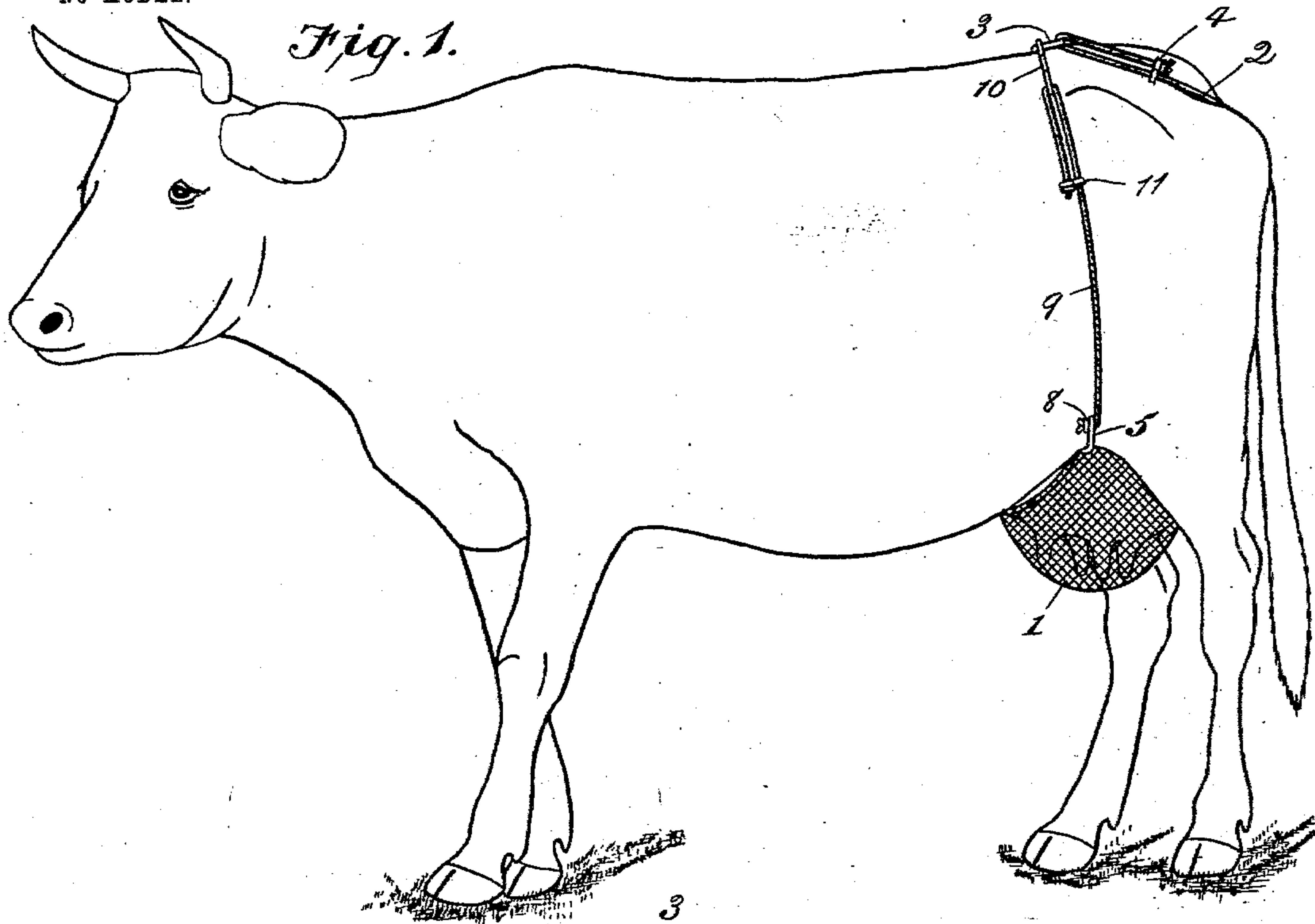
No. 745,419.

PATENTED DEC. 1, 1903.

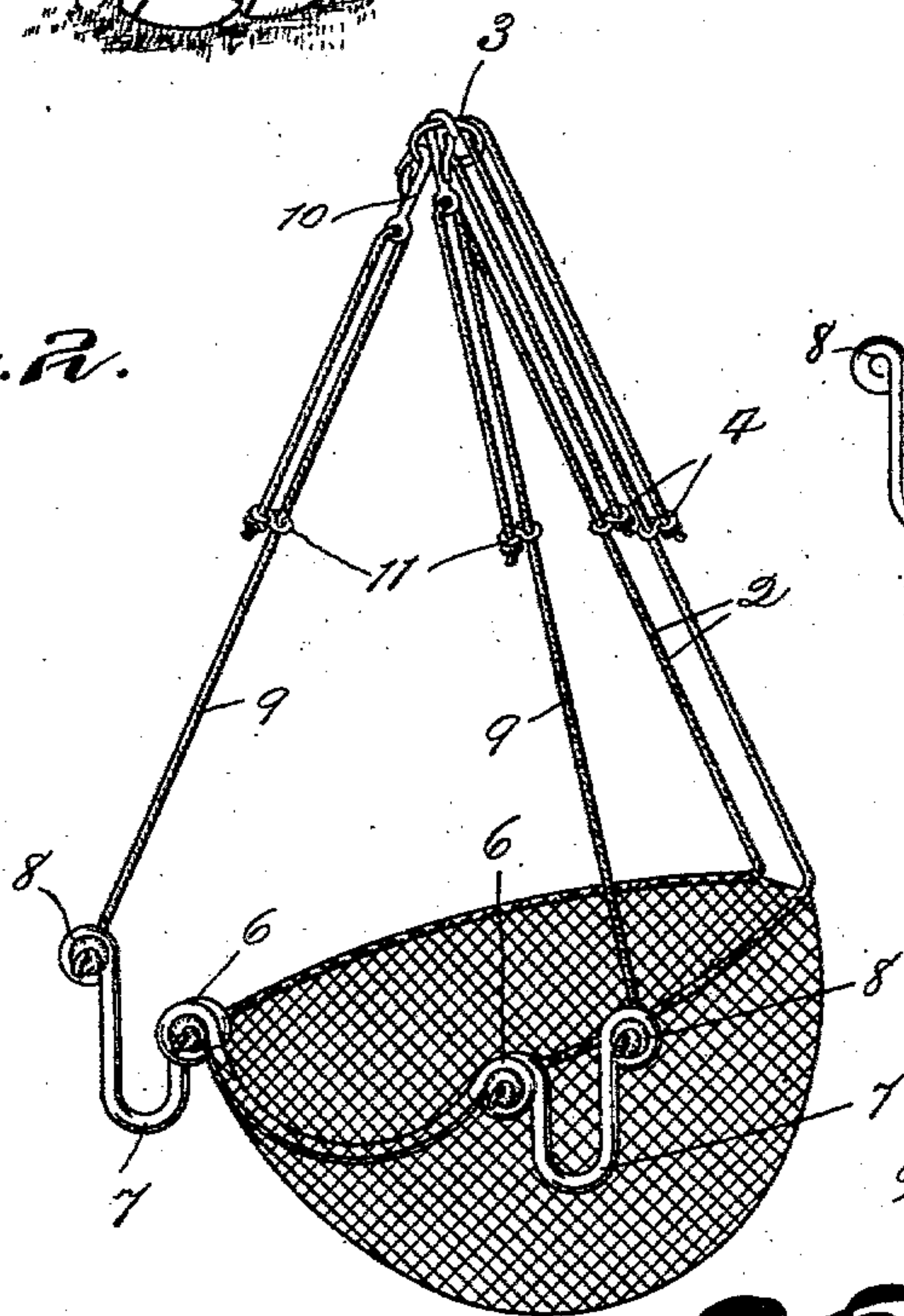
W. M. CUNNINGHAM & W. H. SPEAR.  
CALF OR COLT WEANER AND UDDER PROTECTOR.

APPLICATION FILED MAR. 19, 1903.

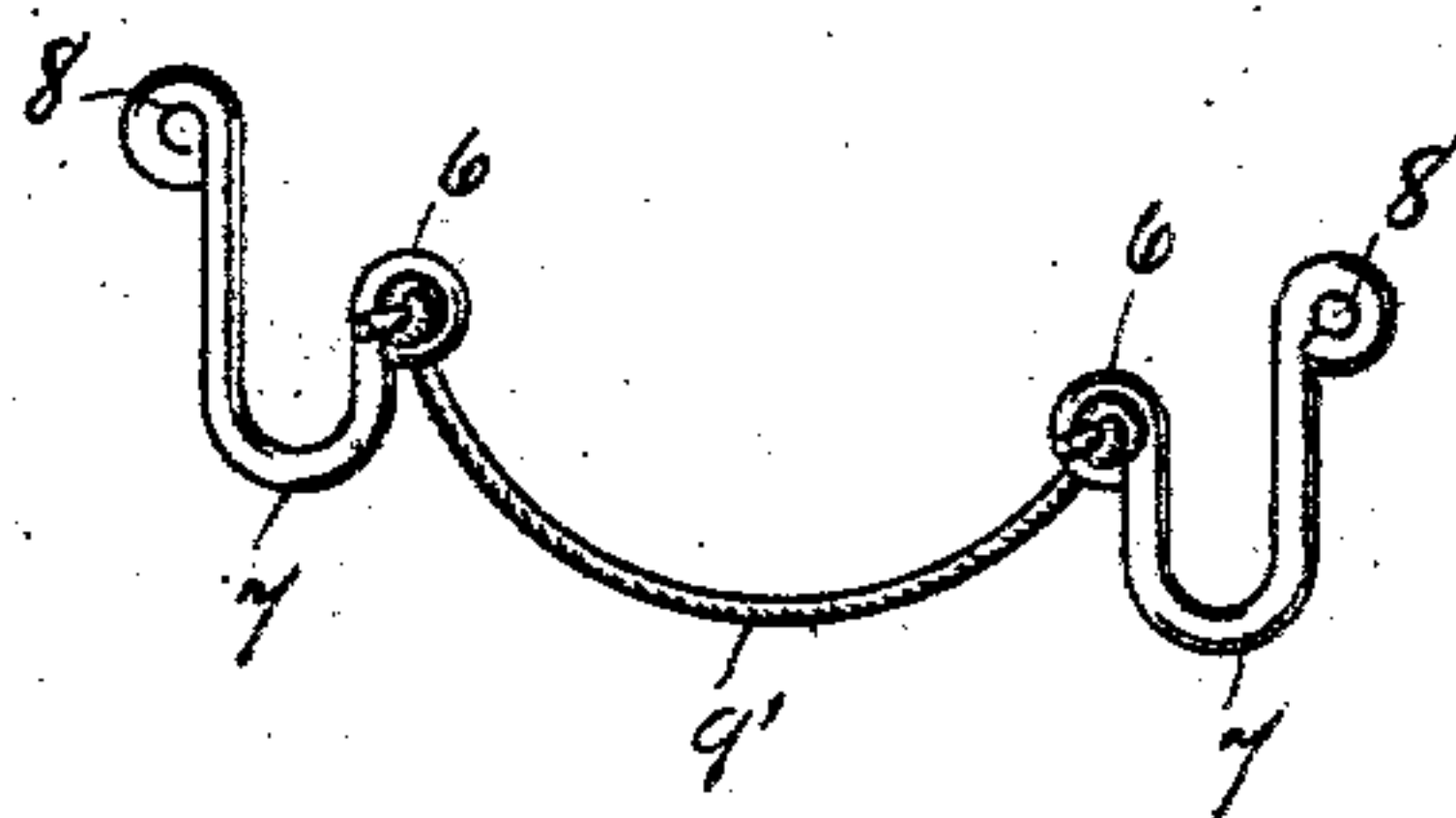
NO MODEL.



*Fig. 2.*



*Fig. 3.*



Witnesses

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# UNITED STATES PATENT OFFICE.

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## CALF OR COLT WEANER AND UDDER-PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 745,419, dated December 1, 1903.

Application filed March 19, 1903. Serial No. 148,476. (No model.)

*To all whom it may concern:*

Be it known that we, WILSON M. CUNNINGHAM and WILLIAM H. SPEAR, citizens of the United States, residing at North Platte, in the county of Lincoln and State of Nebraska, have invented certain new and useful Improvements in Calf or Colt Weaners and Udder-Protectors; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

Our invention relates to the care of live stock, but more particularly to colt or calf weaners, and has for its object to provide a device for this purpose which is particularly humane and which will not injure the cow or mare or in any way inconvenience or annoy the calf or colt.

A further object of our invention is to provide a device which will prevent a cow from sucking herself.

With these objects in view our invention consists in providing a suitable cover to protect the udder, so arranged with canvas or other suitable material, a suspending means, and a wire as to make the device quickly removable and adjustable.

Our invention consists, further, in certain features and in combination of parts, which will first be fully described and afterward specifically pointed out in the appended claims.

Referring to the accompanying drawings, Figure 1 is a view of the cow, showing the position of weaner attached. Fig. 2 is a perspective view of a weaner. Fig. 3 is a modification of the forward frame of weaner.

Like numerals of reference indicate the same parts throughout the several figures, in which—

1 is the cover, of canvas or other suitable material, and 2 indicates the rear suspending-cords which go between the legs and on either side of the tail and which pass into a ring 3 and are provided at their ends with

lock-loops 4, so as to lengthen or shorten said cords.

5 indicates the forward wire, which is bent to conform to the contour of the udder, said wire having loops 6 near the ends thereof, to which the cords 2 are fastened. Between said loops and the ends of the wire the said wire is bent substantially like a U at 7, and the ends are turned to form eyes 8, to which the forward suspending-cords 9 are secured, or the U-shaped portion may be made separate and connected together by a cord 9' in place of the entire wire frame-piece, as shown in Fig. 3. Said cords 9 pass through the eyes of the snap-hooks, which snap-hooks engage the ring 3. The ends of said cords are also provided with lock-loops 11 to adjust the lengths thereof.

Having thus described the several parts of our invention, its operation is as follows: The weaner is attached by passing the rear suspending-cords between the legs of the cow or mare and carrying the ring 3 up on the back. The cover 1 is then put over the udder and the forward cords are carried up and the snap-hooks are snapped into the ring 3. The several cords are then adjusted so as to cause the device to be worn with the most comfort to the animal, and the U-shaped portions of the wire allow the cover to be held securely under the cow without drawing the forward cords too tight and also allow the flank a free movement without chafing. The modification of the forward frame-piece, as shown in Fig. 3, accomplishes the same results, with this advantage that cord connection 9' allows the cover 1 to better conform to the front of the udder.

Having thus set forth our invention, we do not wish to be understood as limiting ourselves to the exact construction herein set forth, as various slight changes may be made therein which would fall within the limit and scope of our invention, and we consider ourselves clearly entitled to all such changes and modifications.

What we claim as new, and desire to secure by Letters Patent of the United States, is—

1. In a weaner, the combination of a suit-

able cover, a wire piece forming the forward frame thereof, suspending-cords secured to said cover and wire piece, and means for adjusting the length of said cords.

5 2. In a weaner, the combination of a suitable cover, a wire piece forming the forward frame thereof, and provided with U-shaped portions, and means for suspending said cover substantially as described.

10 3. In a weaner, the combination of a suit-

able cover, of means for suspending said cover, substantially U-shaped pieces between the forward suspending means and said cover.

In testimony whereof we affix our signatures in presence of two witnesses.

WILSON M. CUNNINGHAM.

WILLIAM H. SPEAR.

Witnesses:

J. S. HOAGLAND,

W. V. HOAGLAND.