

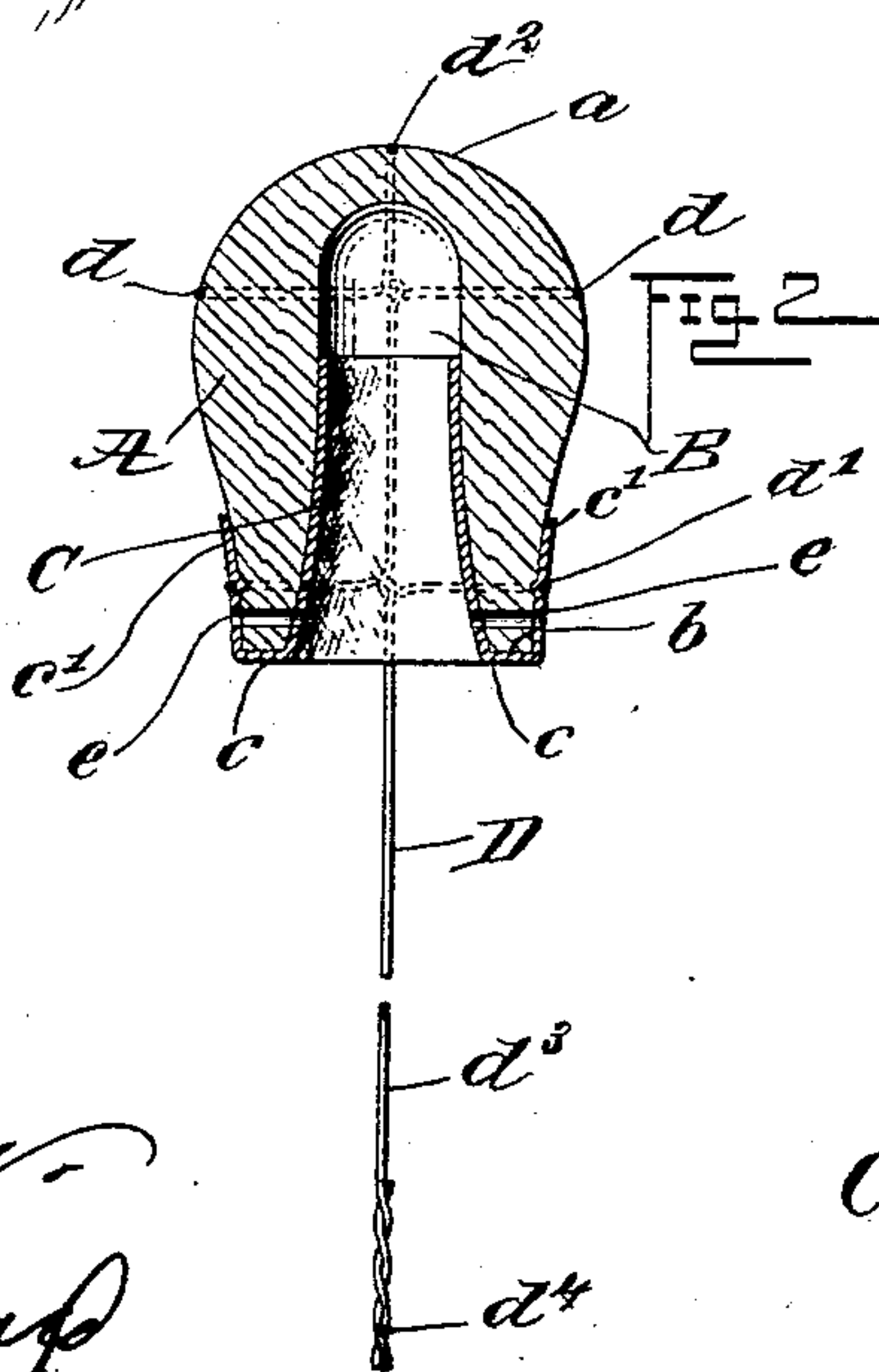
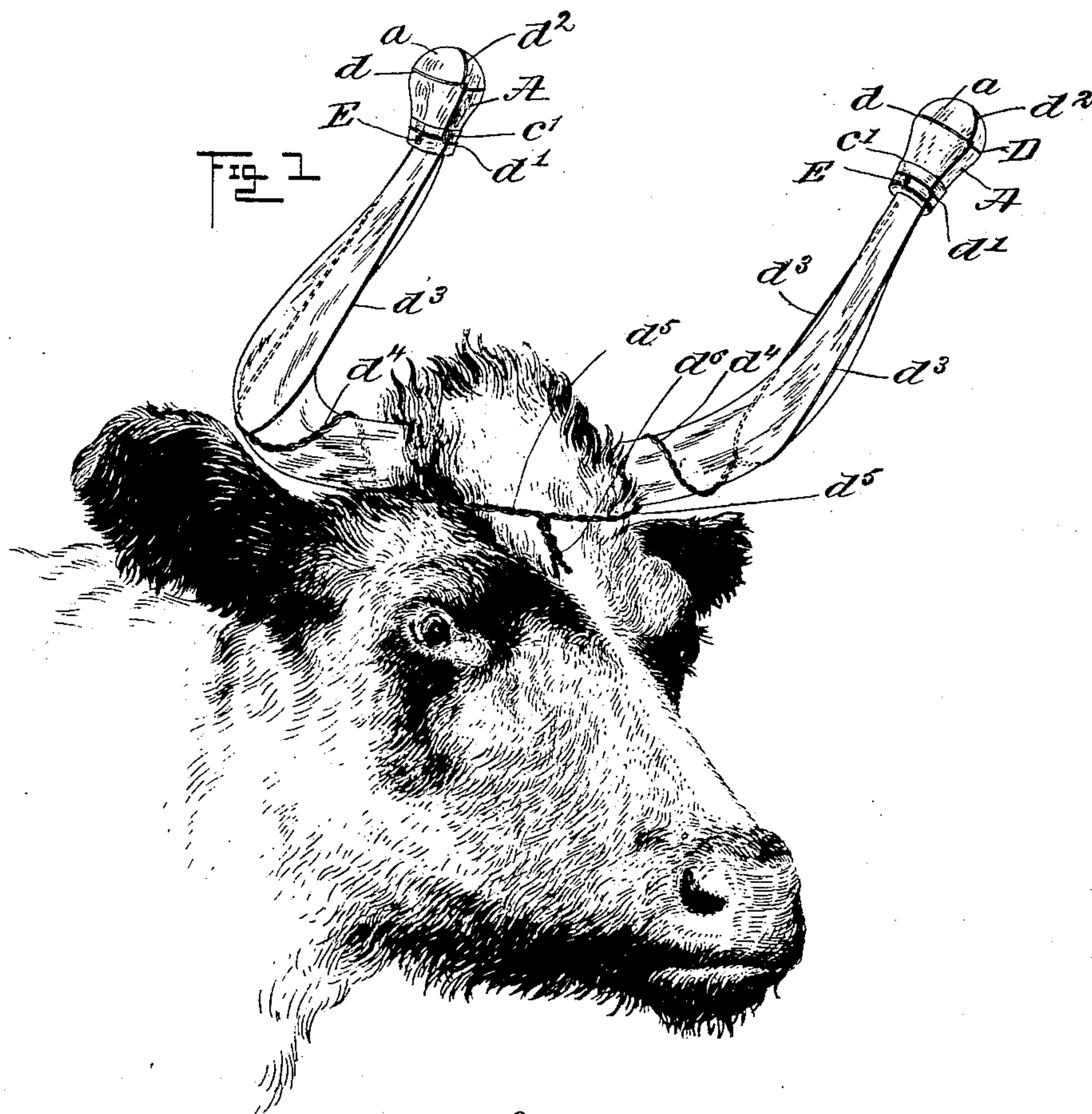
No. 713,373.

Patented Nov. 11, 1902.

C. W. ALLEN.
HORN FENDER.

(Application filed Mar. 25, 1902.)

(No Model.)



WITNESSES:
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CHARLES WESLEY ALLEN, OF MERRIMAN, NEBRASKA.

HORN-FENDER.

SPECIFICATION forming part of Letters Patent No. 713,373, dated November 11, 1902.

Application filed March 25, 1902. Serial No. 99,875. (No model.)

To all whom it may concern:

Be it known that I, CHARLES WESLEY ALLEN, a citizen of the United States, and a resident of Merriman, in the county of Cherry and State of Nebraska, have invented a new and useful Improvement in Horn-Fenders, of which the following is a full, clear, and exact description.

My invention relates to means for preventing cattle from goring each other when confined in stock-yards or herds or during feeding times, thus overcoming the necessity for dehorning the cattle.

The object that I have in view is the provision of a simple, cheap, and efficient guard which may be easily and snugly fitted to different kinds of horns in a manner to avoid rattling thereon and to provide simple means for securely holding the guard in position, said securing means serving also to minimize the tendency of the guard to split or crack and being also capable of easy application by hand and without the aid of any tools whatever.

With these ends in view the invention consists in the construction, arrangement, and adaptation of parts, which will be hereinafter described, and the novel features of the invention will be defined by the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view illustrating the application of my improved fender to the horns of an animal, and Fig. 2 is an enlarged sectional view through one of the fenders.

My improved fender is made of a single piece of wood, papier-mâché, metal, or any other suitable material. In Fig. 2 of the drawings the knob A is shown as having a rounded end *a*; but the particular shape of the knob or fender is not material. The knob is provided at its opposite end with a flat face or base *b*, and the said knob is furthermore provided with a socket B, said socket being tapered and enlarged toward the flattened face *b* of the knob. A flare or taper is given to the socket which enables the knob to be snugly fitted to the pointed end of the horn, and the extremity of the horn is adapt-

ed to be received in the closed end of the socket.

In order to make the knob sit firmly on the end of the horn and to prevent rattling of said knob when applied to the horn, I employ a soft lining C, which is shaped or arranged to fit within the socket B and the flared portion thereof. This lining C may be made of any suitable soft material, such as sheepskin, cloth, leather, or other substance, and said lining is adapted to occupy the space between the wall of the socket and the surface of the horn on which the knob is applied. The lining is adapted to extend beyond the open end of the socket and to be folded around the flattened face *b* of the knob, as at *c*, and finally the edge portion of the lining is folded outside of the knob, as at *c'*. The folded edge of the lining is adapted to be secured around the knob by the means employed for the attachment of the knob to the horn, as will now be described.

I employ wire or cord as the means for fastening the knob securely in place after it shall have been fitted to the horn, and this wire or cord is securely braided around the knob in order to engage with the turned-up edge *c'* of edge of the lining, and to assist in strengthening the knob, particularly if it is made of wood, papier-mâché, or other material that is liable to crack or split from exposure to the weather. As shown by the drawings, the wire or cord D is arranged to have bands *d d'* extend circumferentially around the knob at different points, and the strands *d²* of the wire or cord are disposed longitudinally of the knob and have interlocking relation with the bands. The portions *d³* of the strands are adapted to be carried lengthwise of the horn and on opposite sides thereof, as shown by Fig. 1, and these strands may be twisted together, as at *d⁴*.

In applying my improved fenders to the horns of an animal the linings C are first fitted in the sockets of the knobs and the wires or cords are braided around the knobs, so that the bands *d'* will engage with the folded edge *c'* of the lining. The knobs are forced tightly on the ends of the horns, so as to bring the linings into close frictional engagement with said horns, and the cord or wire of each fen-

der is then carried along the horn, as at d^3 , and twisted together, as at d^4 . The twisted portions d^4 of the wires of the two fenders are carried around and back of the horns and
5 then drawn together across the front of the animal's forehead, as indicated at d^5 in Fig. 1, and finally the two twisted wires or cords are intertwined or twisted together, as at d^6 . The described means for fastening the fenders can
10 be easily applied by the hands and without the aid of tools of any character whatever. The fenders or knobs are very cheap of manufacture, so that they can be produced in large quantities at a low cost. The knob is adapted
15 to be wedged into place when applying it to a horn, and the employment of a soft lining in connection with the cords or wires serves to attach the knobs to the horns very firmly and securely.
20 In addition to the cords or wires to secure the knob on the horn I may provide the knob near its flattened end with openings e , adapted to receive screws, (indicated at E in Fig. 1.) These screws are mounted in the knobs, and
25 they are adapted to be set or clamped against the horns in an obvious manner.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent—

1. A horn-fender comprising a knob having 30 a tapering socket, a soft lining disposed within the socket and forming a frictional surface therein for engagement with a horn to which the knob is adapted to be applied, and clamping devices engaging with said knob and with 35 the lining to positively confine the latter on the knob, the whole adapted for service, as and for the purposes specified.

2. As a new article of manufacture, the horn-fender herein shown and described, comprising a knob having a socket which is flared toward one end, a lining of soft material disposed within said socket and having its edge folded around the base portion of the knob, and a cord or wire fastened around the knob 45 and having a band engaging with the outwardly-folded portion of the lining.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES WESLEY ALLEN.

Witnesses:

WILLIAM HITCHCOCK,
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