

(No Model.)

L. BARNES.  
KNOB FOR CATTLE HORNS.

No. 422,490.

Patented Mar. 4, 1890.

Fig. 1.

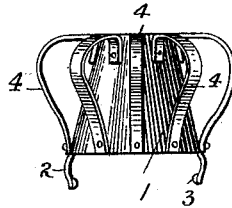


Fig. 2.

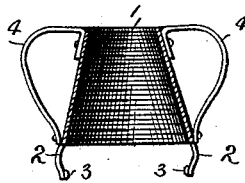


Fig. 3.

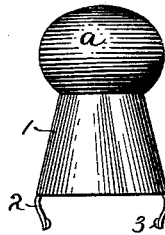
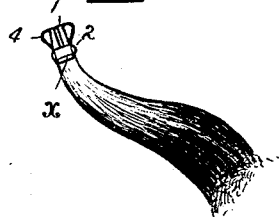


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## KNOB FOR CATTLE-HORNS.

SPECIFICATION forming part of Letters Patent No. 422,490, dated March 4, 1890.

Application filed May 28, 1889. Serial No. 312,557. (No model.)

*To all whom it may concern:*

Be it known that I, LEWIS BARNES, a citizen of the United States, residing at Belvidere, county of Warren, and State of New Jersey, have invented certain new and useful Improvements in Knobs for Cattle-Horns, of which the following is a specification.

My invention consists of a knob or tip for animals' horns, possessing certain features of novelty to be hereinafter pointed out.

In the drawings, Figure 1 is an elevation of a knob or tip made according to my invention. Fig. 2 is a vertical section of the same. Fig. 3 is an elevation of a modified form. Fig. 4 represents the knob applied to an animal's horn.

In the drawings, 1 indicates a ferrule or ring, preferably tapering in form and internally screw-threaded, which is adapted to be placed over and supported upon the end of the animal's horn, as shown in Fig. 4. This ferrule I prefer to make open-ended, as shown in Fig. 2, although it might be closed at its upper end or expanded into an enlarged knob *a*, as shown in Fig. 3.

The knob or tip is preferably screwed upon the end of the horn; but to hold it in place and prevent its becoming detached and lost I provide the enlarged end of the ferrule 1 with two or more spurs 2, which preferably have upon their inner faces beads or hooks 3, which fit into a groove or notch *x*, made upon the animal's horn. These spurs incline inward or toward each other, and may be made of spring metal or of any material which will permit them to be bent so as to force the beads or hooks 3 into the groove or notch *x*.

4 4 represent bowed or outward-curved strips or pieces of metal or other suitable material secured at their ends to the upper and lower portions, respectively, of the ferrule 1. These strips together form a knob-shaped enlargement surrounding the ferrule, which, without being of an objectionable weight, may be of such size as when placed upon the animal's horn to render it impossible for the animal to inflict any severe injury by hooking or striking with the horn. The strips 4 may

be strengthened by providing them with longitudinal ribs formed by crimping the metal of which the strips are formed or otherwise.

The knob or tip may be formed of any suitable material, metal being preferable, and the spurs 2 and the curved strips or pieces 4 may be made integral with or separate from and secured to the ferrule 1, as may be found most expedient.

The strips 4 might be used with a knob or tip not provided with the spurs 2, should that be found practicable.

Without limiting myself to the precise construction and arrangement of parts shown, I claim—

1. A tip or knob adapted to be secured to the end of an animal's horn, provided with spring-spurs adapted to be forced into a groove or notches upon the horn, substantially as set forth.

2. A tip or knob for an animal's horn, having spurs provided with beads or hooks upon their inner faces, substantially as and for the purpose set forth.

3. A tip or knob for an animal's horn, having a ferrule portion adapted to surround the end of a horn, and supporting curved strips projecting therefrom, substantially as set forth.

4. A tip or knob for an animal's horn, having the ferrule portion, the spurs projecting from one end thereof, and the outward-curved strips secured to the ferrule at their ends, substantially as set forth.

5. A tip or knob for an animal's horn, having an internally-screw-threaded ferrule portion 1, the spurs at one end thereof having inward-extending beads or hooks, and the outward-curved strips secured at their ends to the ferrule, substantially as set forth.

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

LEWIS BARNES.

Witnesses:

NICHOLAS HARRIS,  
JOHN H. HOCH.