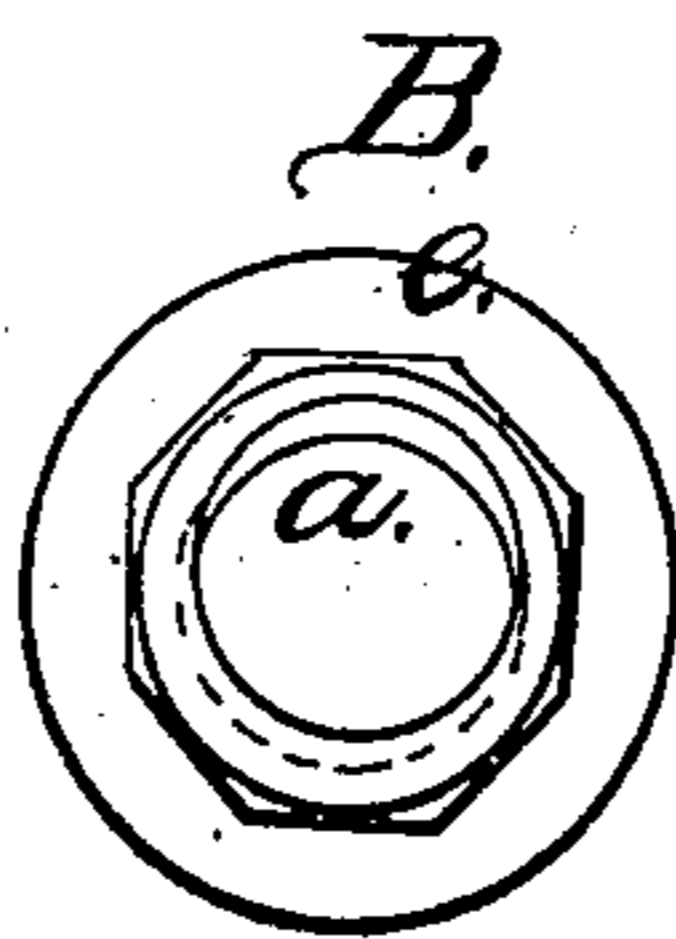
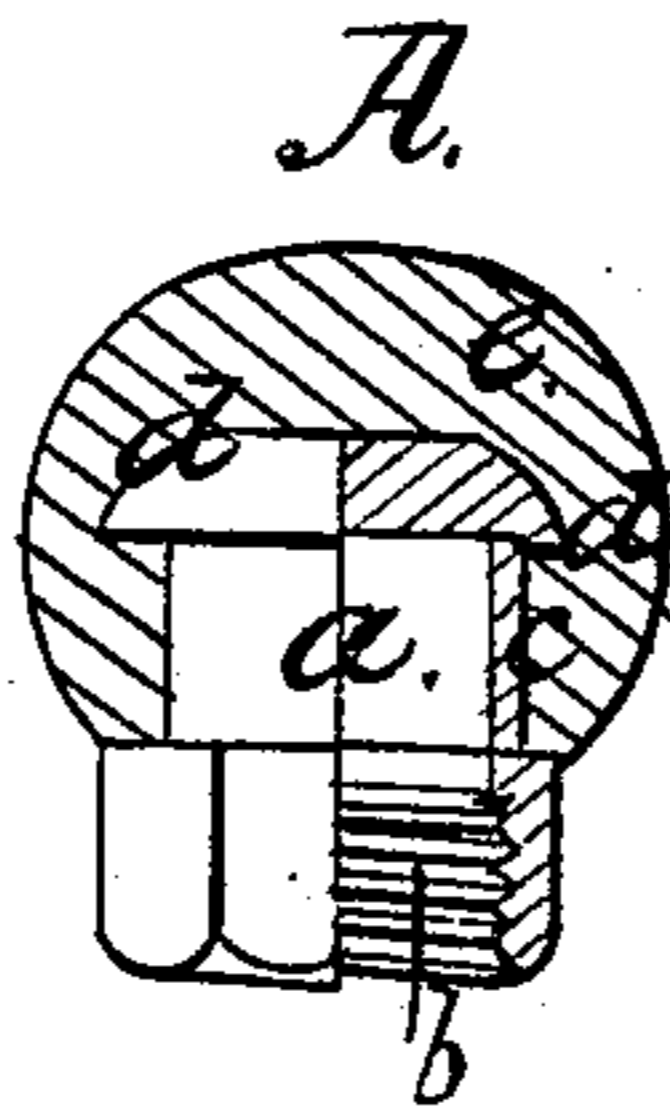


*J. C. Thompson.*

*Horn-Tip for Cattle.*

*N<sup>o</sup> 86,882.*

*Patented Feb. 9, 1869.*



*Witnesses.*

*W. W. Frothingham  
C. Warren Brown.*

*Inventor.*

*J. C. Thompson  
by his Atty  
Crosby Harten & Gould*



J. C. THOMPSON, OF CHARLESTOWN, MASSACHUSETTS.

*Letters Patent No. 86,882, dated February 9, 1869.*

**IMPROVEMENT IN HORN-TIP FOR CATTLE.**

**The Schedule referred to in these Letters Patent and making part of the same.**

*To all whom it may concern:*

Be it known that I, J. C. THOMPSON, of Charlestown, in the county of Middlesex, and State of Massachusetts, have invented an Improved Horn-Tip for Cattle; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practise it.

To prevent domestic horned cattle from injuring one another with the sharp points of their horns, it is customary to tip the horns of such bovine cattle as are inclined to "hook" with their horns, with metal balls, which so blunt the points of the horns as to prevent the cattle from goring.

Such balls, however, are not always effectual to prevent vicious cattle from goring, as the metal is unyielding, and, upon being thrust with force against the flesh, may penetrate and inflict as dangerous or as ugly a wound as will, under similar circumstances, be inflicted by the sharp-pointed horn.

To obviate this, I tip each horn with a rubber-surfaced metal tip, or with a rubber ball which is mounted upon a metal nut or screw-ferrule, by which ferrule the ball is fixed upon the horn; and it is in such a horn-tip or ball that my invention consists.

The drawing represents a horn-ball or tip embodying my improvement.

A shows a section of the same.

B, an inner end view.

*a* denotes the metal socket-piece, or ferrule, having a screw or nut-thread, *b*, by which it is screwed upon the point of a horn, and a neck, *c*, at the outer end of which is a flange, *d*.

*e* denotes the elastic ball, preferably made of rubber, or of rubber or caoutchouc compound, and preferably vulcanized directly upon the neck *c*, when moulded, though it may be separately moulded with a recess, by means of which it can be stretched over the neck, to which it can be fastened by cement.

So made and applied to the horns of a cow or other bovine animal, these tips will be found enduring, and effective in preventing injury to other cattle, and to the wood-work of the stall in which the animal may be confined.

I claim, as a new article of manufacture, a horn-tip for cattle, made of rubber, or of rubber or other elastic compound, vulcanized or cemented upon the neck of a metal screw-ferrule or socket-piece, substantially as described.

J. C. THOMPSON.

Witnesses:

J. B. CROSBY,

FRANCIS GOULD.