

No. 713,617.

Patented Nov. 18, 1902.

H. A. DORRIES.

MUZZLE.

(Application filed Mar. 27, 1902.)

(No Model.)

Fig. 1.

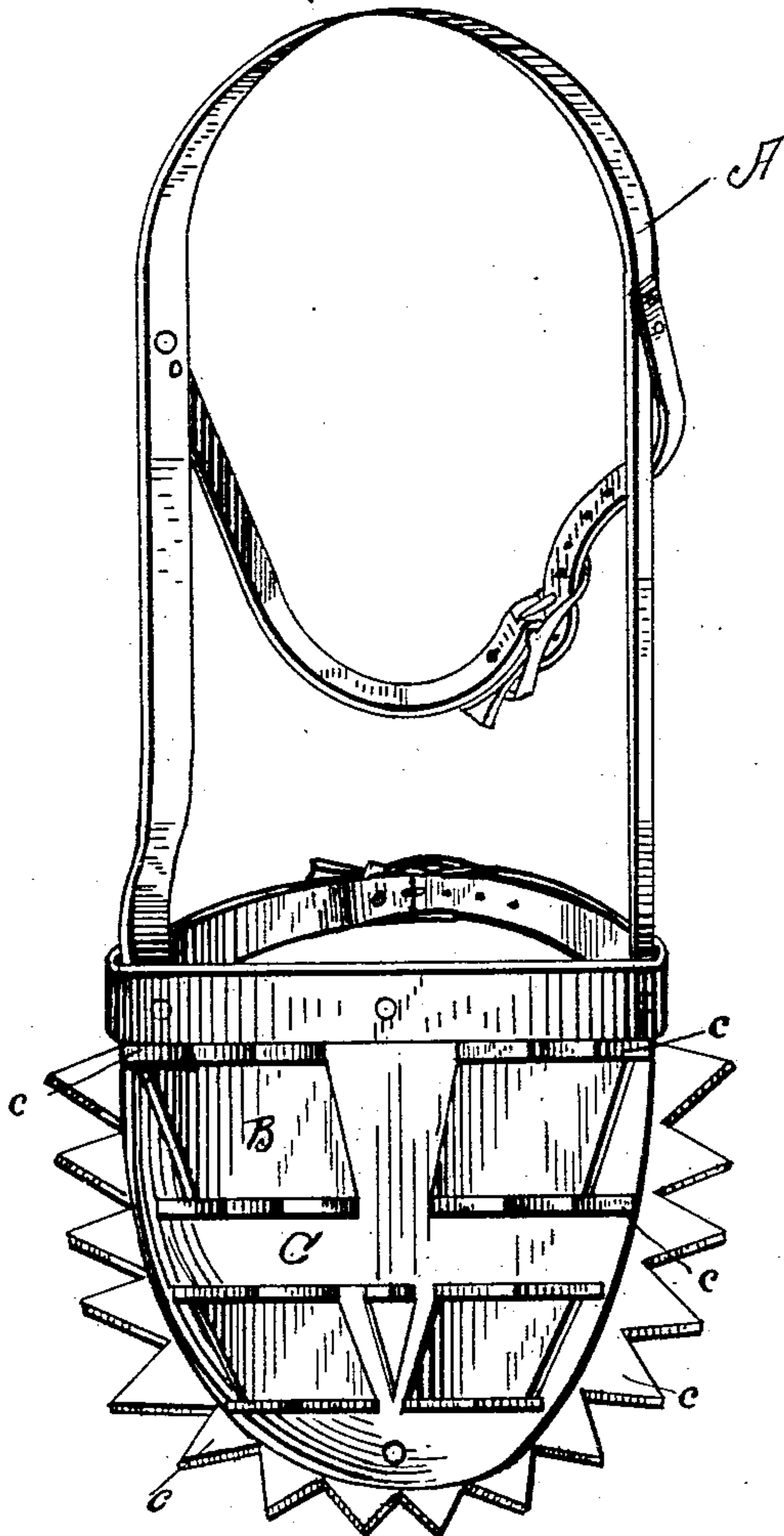
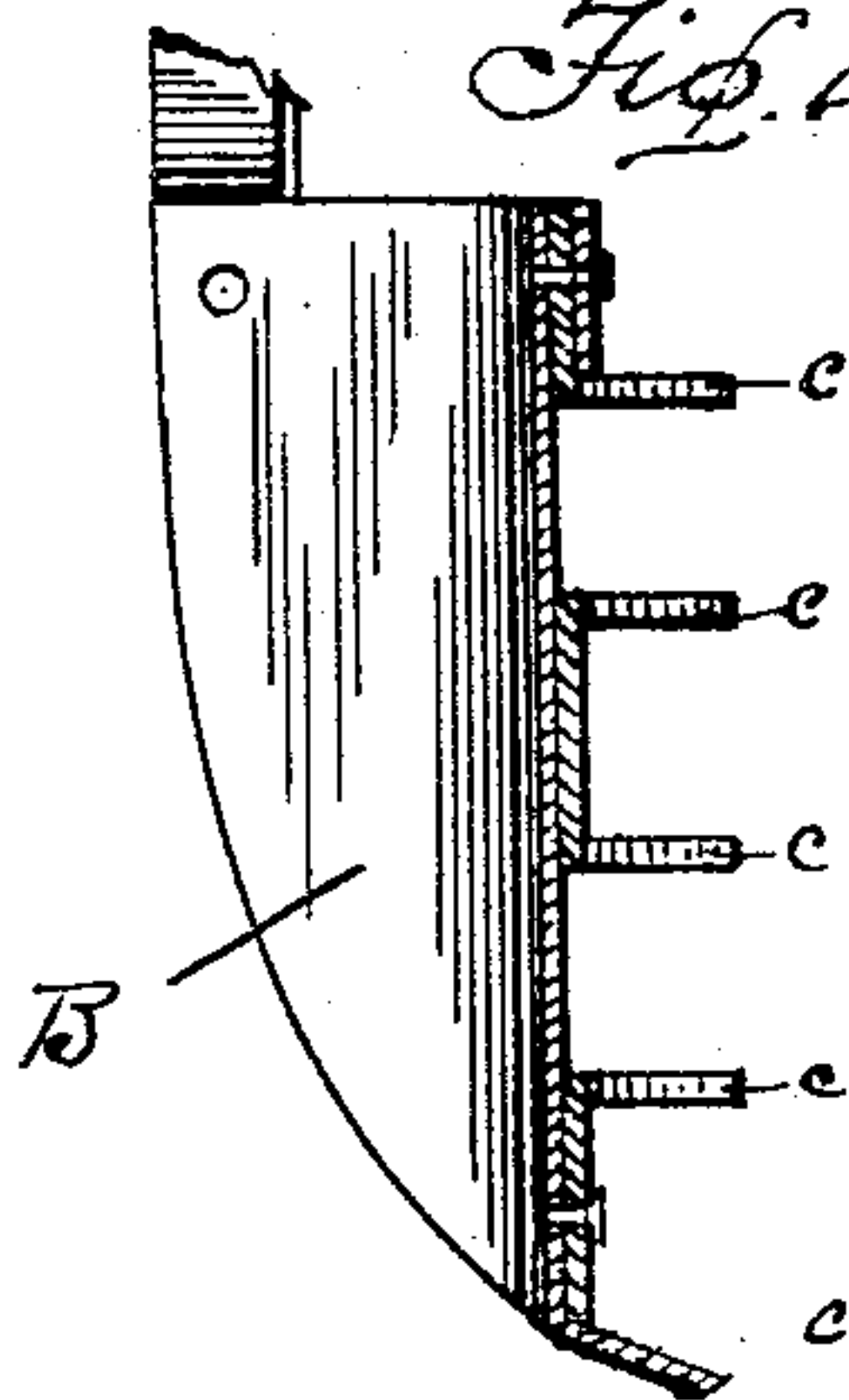


Fig. 2.



Witnesses.
A. C. Cannel.
J. K. Muck.

Inventor
Herman A. Dorries
by *Andrews + Andrews,*
Attorneys.

UNITED STATES PATENT OFFICE.

HERMAN A. DORRIES, OF BREESE, ILLINOIS, ASSIGNOR OF ONE-HALF TO
JOSEPH T. PACE, OF BREESE, ILLINOIS.

MUZZLE.

SPECIFICATION forming part of Letters Patent No. 713,617, dated November 18, 1902.

Application filed March 27, 1902. Serial No. 100,234. (No model.)

To all whom it may concern:

Be it known that I, HERMAN A. DORRIES, a citizen of the United States of America, residing at Breese, in the county of Clinton and State of Illinois, have invented certain new and useful Improvements in Muzzles; and I 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.

My invention relates to muzzles, and has for its object to provide a device for weaning calves or colts, and it may be worn upon their heads without inconvenience while grazing or feeding. I accomplish these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a front view of my invention complete. Fig. 2 is a detail sectional view showing a sheet-metal plate covering the nose-piece of the muzzle and having barbs stamped out of the plate and bent approximately at right angles thereto.

In the drawings, A represents a headstall made in the usual manner and capable of adjustment to use for animals of different sizes. Secured to the nose-band by means of rivets or otherwise is a nose-piece B, made of strong material, such as heavy stiff leather. It is concavo-convex in form, whereby it is adapted to fit over the nose of the animal wearing the muzzle.

C is a sheet-metal plate provided with barbs c c, and these barbs are formed integral with said plate, which is stamped from a sheet-metal blank. A row of barbs is formed about

the periphery of the plate and are bent upward slightly, while within its periphery are transverse rows bent approximately at right angles to its longitudinal axis, giving a wide range of effective surface. The plate is firmly secured to the headstall and to the nose-piece by rivets.

Barbs formed as above described cannot drop out of their places or become loosened and lop down, rendering them ineffectual.

The plate B aids in preserving the form of the barbed plate and prevents objects from passing through the openings formed by stamping out the barbs.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination of a headstall for calves and the like, with a plate of leather forming a nose-piece, over which is firmly secured a continuous sheet-metal plate provided with barbs, stamped integral therefrom, substantially as specified.

2. The combination of a headstall for calves and the like, with a plate of leather forming a nose-piece, over which is firmly secured a sheet-metal plate provided with barbs stamped integral therefrom, forming a peripheral row about said plate and also transverse rows across the face thereof, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

HERMAN A. DORRIES.

Witnesses:

GEO. J. KUES, Jr.,
LEO. A. KREBS.