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ELECTRIC DEHORNER
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Fig. 1.

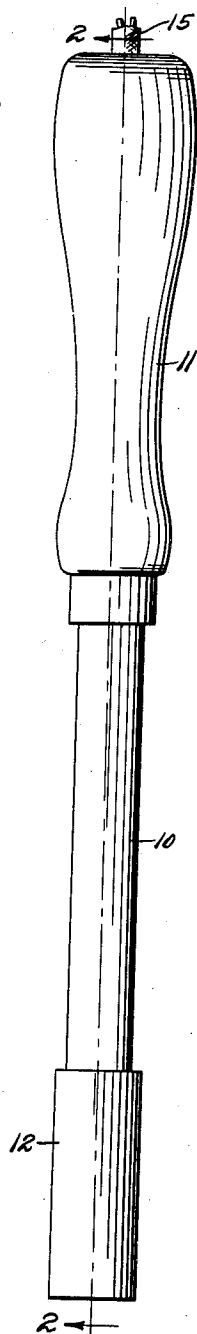
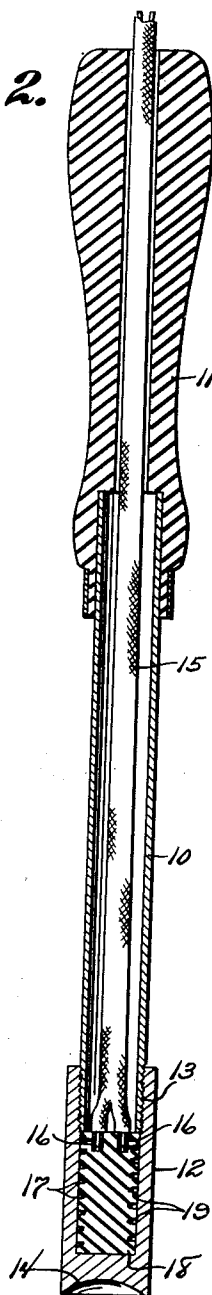


Fig. 2.



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ELECTRIC DEHORNER

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1 Claim. (Cl. 219—29)

This invention relates to an electric dehorner and has for an object to provide a simplified device of this character which will expedite the dehorning of cattle, sheep and goats without danger of infection or blinding.

Ordinarily a caustic stick is used to dehorn animals from two to four weeks old. The caustic stick is rubbed on the horns from ten to fifteen minutes, and ordinarily the wounds bleed for about twenty-four hours and always leave a sore which requires about four weeks to heal. If great care is not taken, a drop of the caustic stick, which of course has been previously dipped in water, may enter the animal's eyes and blind the animal.

With the above disadvantage in mind, the present invention provides a dehorner having a cylindrical tip adapted to be heated and provided with a concave recess in the end face to receive the horn of the animal and dehorn the animal in about one and one-half minutes, while simultaneously cauterizing the wound so that there is no danger of infection and eliminating the danger of blinding the animal.

A further object is to provide a device of this character which will be heated of a few strong, simple and durable parts, which will be inexpensive to manufacture, and which will not easily get out of order.

With the above and other objects in view, the invention consists of certain novel details of construction and combinations of parts hereinafter fully described and claimed, it being understood that various modifications may be resorted to within the scope of the appended claim without departing from the spirit or sacrificing any of the advantages of the invention.

In the accompanying drawing forming a part of this specification:

Figure 1 is a side elevation of a dehorner constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view of the dehorner shown in Figure 1, taken on the line 2—2.

The dehorner comprises a tubular metal shank which is equipped at one end with a tubular handle 11 formed of insulating material. At the end opposite the handle the shank is equipped with a metal cylindrical tip 12, which is screw-threadedly engaged with the shank at one end,

as shown at 13 and has a thick disk closure at the other end. The outer face of the closure is provided with a concave recess 14 adapted to be fitted over the horn of an animal of the age of from two to four weeks preferably.

An electric cord 15 is disposed axially in the shank and in the handle. The two conductor wires 16 of the cord are connected to the opposite ends of a resistance coil 17 which is helically wound on a core 18, which is snugly fitted in an axial recess 19 formed in the tip 12, the core being formed of insulating material, while the resistance coil is in contact with the inner surface of the recess 19 of the metal tip. The cord 15 may be connected to any suitable source of electric current.

In use, current is applied to the resistance coil 17 to heat the metal tip 12 to substantially a cherry red color and the tip is applied to the horn, with the horn received within the recess 14 for a time period sufficient to dehorn the animal. This time period is usually about one and one-half minutes, and in practice no blood is let and the heat of the tip cauterizes the wound.

In some instances, upon failure of electric current the tip 12 may be heated by a blow torch.

From the above description it is thought that the construction and operation of the invention will be fully understood without further explanation.

What is claimed is:

A dehorner for cattle, sheep and goats of the age of from two to four weeks, comprising a tubular metal shank, a tubular handle formed of insulating material on one end of the shank, a cylindrical metal tip screw threadedly engaged with the shank at one end and having a thick disk closure at the other end, the outer face of the closure being provided with a concave recess adapted to be fitted over the horn of the animal, an electric cord disposed axially in the shank and in the handle, a core of insulating material in the tip having a spiral groove on the outer surface, a helical resistance coil wound upon the core in said groove and connected to said electric cord of the tip for heating the tip to substantially a cherry red color for removing the animal's horn in minimum time and without letting of blood.

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