Dec. 17, 1935.

H. E. MELTZER

2,024,699

PIERCING CAP FOR NOSE RINGS

Filed Aug. 14, 1933

Fig. 1.

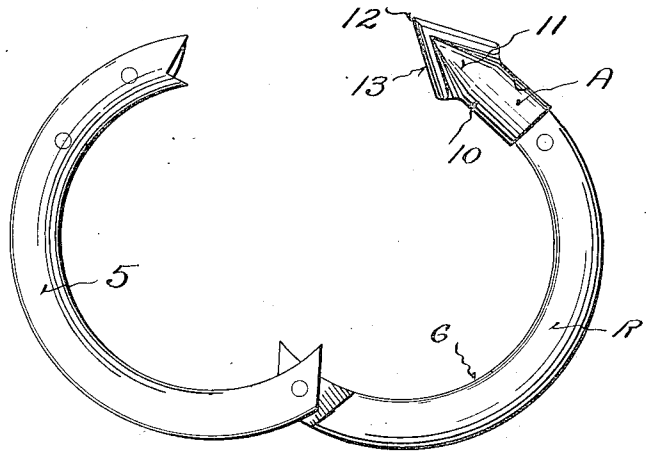


Fig. 2.

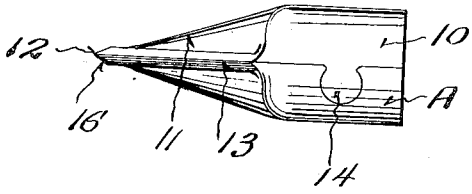


Fig. 3.

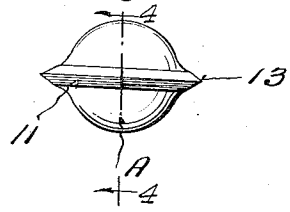
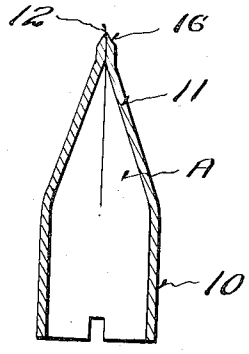


Fig. 4.



Inventor
H. E. Meltzer,
By
Attorneys

Patented Dec. 17, 1935 2,024,699

UNITED STATES PATENT OFFICE

2,024,699

PIERCING CAP FOR NOSE RINGS

Henry E. Meltzer, Racine, Wis., assignor to All-over Manufacturing Company, Racine, Wis.

Application August 14, 1933, Serial No. 685,014

1 Claim. (Cl. 119—135)

This invention appertains to bull rings and more particularly to novel means for facilitating the insertion of the ring through the cartilage of the bull's nose.

Considerable difficulty is experienced in placing rings in the noses of animals and usually the ring is forced through the nose with a tearing action rather than a cutting one, which rendered the wound somewhat painful and rather long to heal. It has been proposed to utilize a round tapered inserting point, but such a device is open to the same objections as outlined above; that is, the inserting point merely acts to enlarge the hole for the ring by tearing apart the cartilage or nose membrane.

It is therefore a prime object of my invention to provide a novel attachment for nose rings, which can be readily and quickly detachably connected therewith and which will function to expeditiously make a clean cut through the nose of a size equal to or slightly greater than the diameter of the ring, whereby the ring can be conveniently slipped through the cut with the attachment with a slight amount of pain to the animal and with a minimum amount of effort on the part of the operator.

Another salient object of my invention is the provision of an attachment for nose rings embodying a shank for engaging over one end of the ring, the attachment having a longitudinally extended cutting edge leading the cutting point at an angle to a point beyond the circumference of the shank, the cutting edge acting as means for severing the nose cartilage with a clean cut, the cut being of such a size as to readily receive the shank and ring.

A further important object of my invention is the provision of a nose ring attachment embodying a hollow shank or sleeve for engaging one end of the ring, the forward end of the shank being provided with a spearhead shaped inserting and cutting head, said head being provided with longitudinally extending sharp cutting edges leading from the inserting point back over the shank at an angle thereto, said cutting edges extending beyond the circumference of the sleeve, so that the shank and consequently the ring will readily follow into the cut.

A further object of my invention is to provide an attachment for nose rings of the above character, which can be formed from a single blank of sheet metal and readily pressed into the desired shape and form.

A still further object of my invention is to provide a nose ring attachment of the above character, which will be durable and efficient in use, one that will be simple and easy to manufacture and one which can be placed upon the market at a low cost.

With these and other objects in view, the invention consists in the novel construction, arrangement and formation of parts, as will be hereinafter more specifically described, claimed and illustrated in the accompanying drawing, in which:—

Figure 1 is a side elevation of a bull ring showing the same in its open position with my improved attachment applied thereto.

Figure 2 is an enlarged side elevation of my improved attachment.

Figure 3 is a front elevation of the same.

Figure 4 is a central longitudinal section through my improved nose ring attachment taken on the line 4—4 of Figure 3, looking in the direction of the arrows.

Referring to the drawing in detail wherein similar reference characters designate the corresponding parts throughout the several views, the letter A generally indicates my improved attachment for a nose ring R. The nose ring R is of the type embodying a pair of hingedly connected sections 5 and 6. The free ends of the sections can be detachably connected together in any preferred manner and it is to be understood that my attachment A can be utilized with any make of nose ring, providing the same is of the split type.

As is clearly shown in the drawing, my improved attachment A comprises a tubular sleeve or hollow shank 10 having formed on its forward end a penetrating and cutting head 11 of a substantially spear shape. Thus, this head 11 is provided with a leading, sharp, cutting and penetrating point 12 and oppositely extending longitudinally disposed sharp cutting edges 13. These sharp cutting edges 13 extend in opposite directions from the point 12 over the hollow shank or sleeve 10 and it is to be noticed that the rear ends of said edges extend beyond the circumference of the sleeve or shank 10.

By this arrangement of parts, the point 12 acts as means for penetrating the cartilage of the nose and the edges 12 follow the point and quickly and efficiently sever the cartilage with a clean action. Due to the fact that the cutting edges extend radially beyond the sleeve, the size of the cut when spread apart will be equal to or slightly greater than the circumference of the sleeve 10.

By referring to Figure 1 of the drawing, it is to be noted that the sleeve or shank 10 is placed over one of the free ends of the ring when the same is in its open condition and the ring is then used as a handle by the operator to force the cutting head 11 through the nose cartilage. Obviously, as the cut is made, the ring will follow the attachment through the cut and the ring is moved around through the cut until the attachment can be removed therefrom, after which the free ends of the ring are swung toward one another and locked against opening movement.

As brought out in the objects of the specification, one of the important features of my invention is the manner of forming the attachment and the same is stamped from a single piece of sheet steel of the desired gauge and the same is folded around a suitable mandrel or the like under pressure, so as to form the sleeve and the head. One longitudinal edge of the blank is provided with a locking lug 14, which is received in a notch in the other longitudinal edge of the blank of a shape corresponding to said ear. This securely holds the blank against opening movement.

The longitudinal cutting edges 13 are sharpened by bevelling the opposite sides of the head, as indicated by the reference character 16 on each side of its longitudinal center.

From the foregoing description, it can be seen that I have provided a novel attachment for nose rings, which will make a clean cut through the nose of the animal, thereby permitting the ring to be quickly and easily placed in position.

Changes in details may be made without departing from the spirit or the scope of my invention, but what I claim as new is:—

A detachable cutting head for a nose ring, formed of sheet metal, having one portion thereof cylindrical in form, and another portion of spear-shape, the peripheral edges of the spear-shaped portion being tri-angular in cross-section, and forming a point at the free end thereof, the remainder of such edges forming cutting blades extending beyond the surface of the cylindrical portion, said cylindrical portion having a tongue and socket adapted to coact to maintain the cylindrical portion of the device in cylindrical shape.

HENRY E. MELTZER.