

E. S. RICHARDS.
NOSE-RINGS FOR SWINE.

No. 183,594.

Patented Oct. 24, 1876.

Fig. 1

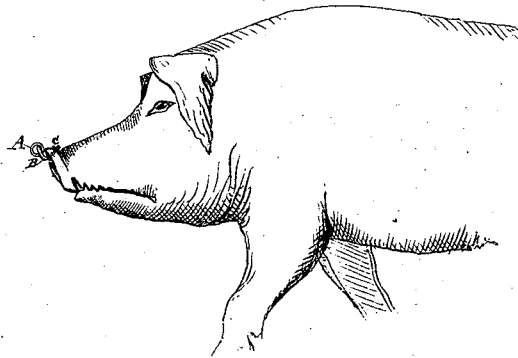


Fig. 2

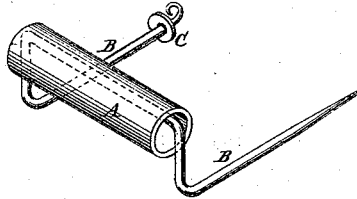


Fig. 3



WITNESSES:

A. W. Almqvist
John Gethals

INVENTOR:

E. S. Richards

BY

Wm. H. [Signature]

ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDMUND S. RICHARDS, OF TRIPOLI, IOWA.

IMPROVEMENT IN NOSE-RINGS FOR SWINE.

Specification forming part of Letters Patent No. **183,594**, dated October 24, 1876; application filed April 18, 1876.

To all whom it may concern:

Be it known that I, EDMUND S. RICHARDS, of Tripoli, Bremer county, Iowa, have invented a new and Improved Hog-Ring, of which the following is a specification:

Figure 1 is a view of my improved device, illustrating its use. Fig. 2 is a perspective view of the same, and Fig. 3 represents one of the leather washers.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved ring for hogs, which shall be simple in construction, easily applied, and effective in operation, wholly preventing the hog from rooting.

The invention consists in a hog-ring formed of the roller, the bent wire, and the leather washers, constructed as hereinafter described, to fit it to be applied to a hog's nose, as set forth.

B is a wire, sharpened at both ends, and having a roller, A, placed upon its middle part. The wire B is bent at right angles at

the ends of the roller A, and again at a little distance from said roller, as shown in Fig. 2.

In using the ring, the sharpened ends of the wire B are passed through the gristle of the hog's nose, bringing the roller A just in front of said nose. Small leather washers C are then placed upon the sharpened ends of the wire B, and the said ends are bent down upon the outer sides of the said washers C, securely fastening the ring to the hog's nose.

When a hog with this device applied to his nose attempts to root, the roller A turns upon the wire B, and the hog can make no impression upon the ground.

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

The combination of the roller A, bent wire B, and washers C, constructed and arranged substantially as and for the purpose specified.

EDMUND SOMERS RICHARDS.

Witnesses:

L. S. HANCHETT,
S. H. MORSE.