

O. P. Goodman.

Nose Ring for Hogs.

N^o 99,559.

Patented Feb. 8, 1870.

Fig. 1.



Fig. 3.

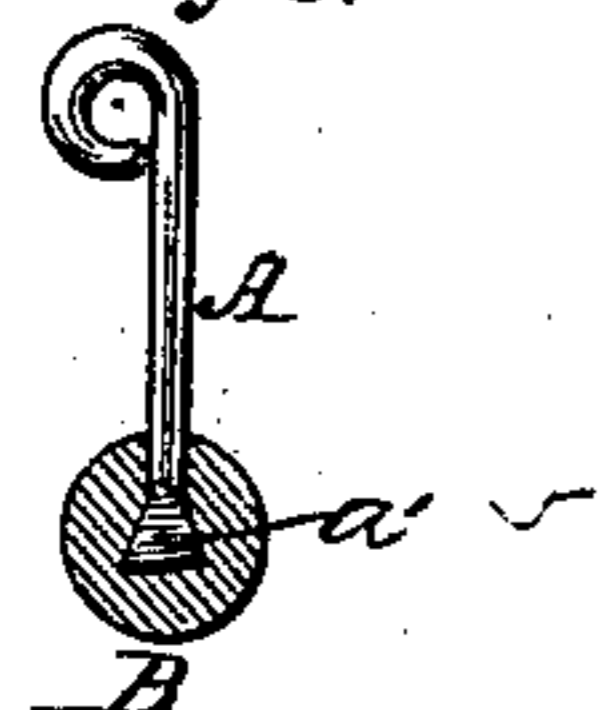


Fig. 4.



Fig. 2.

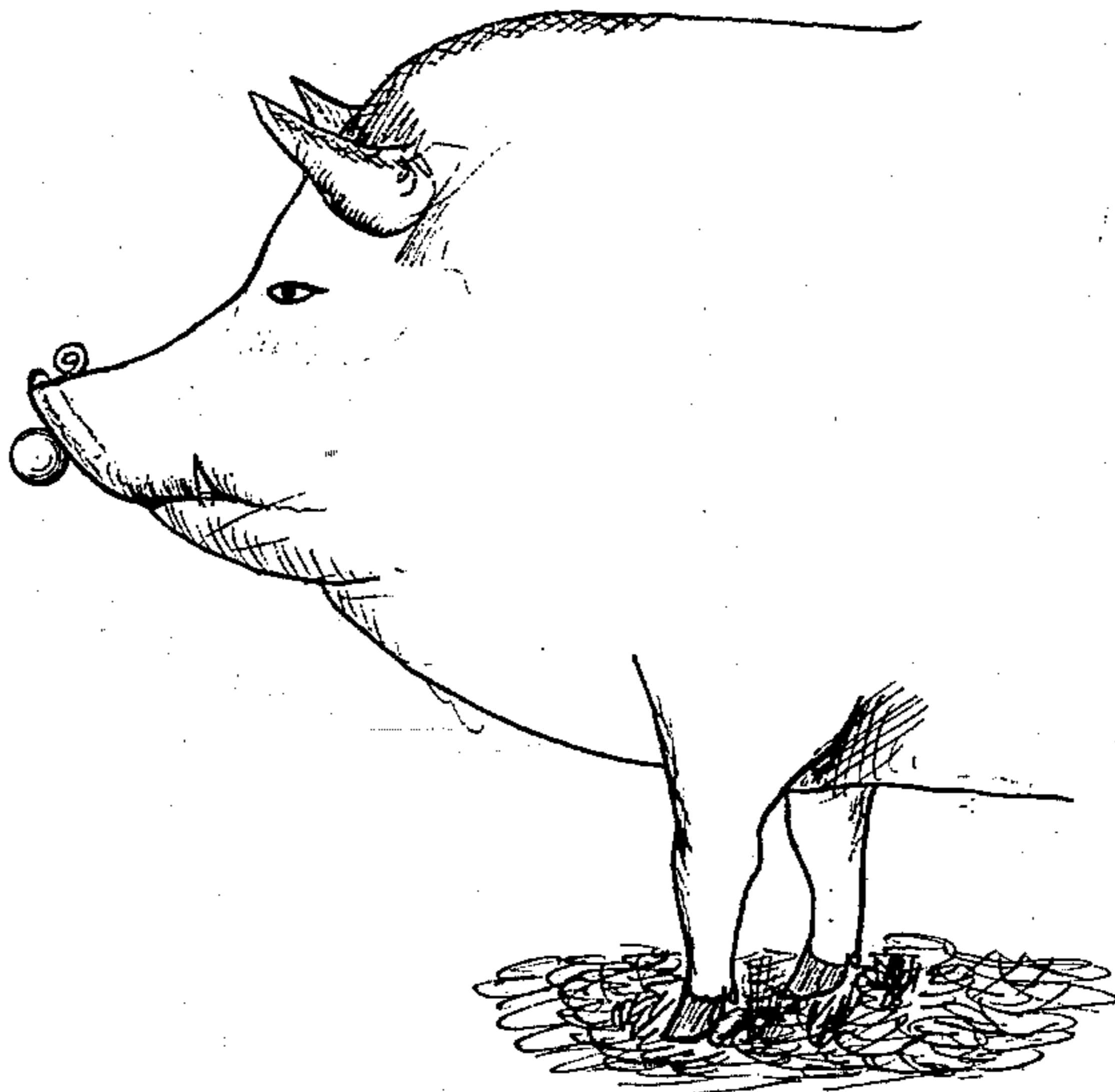
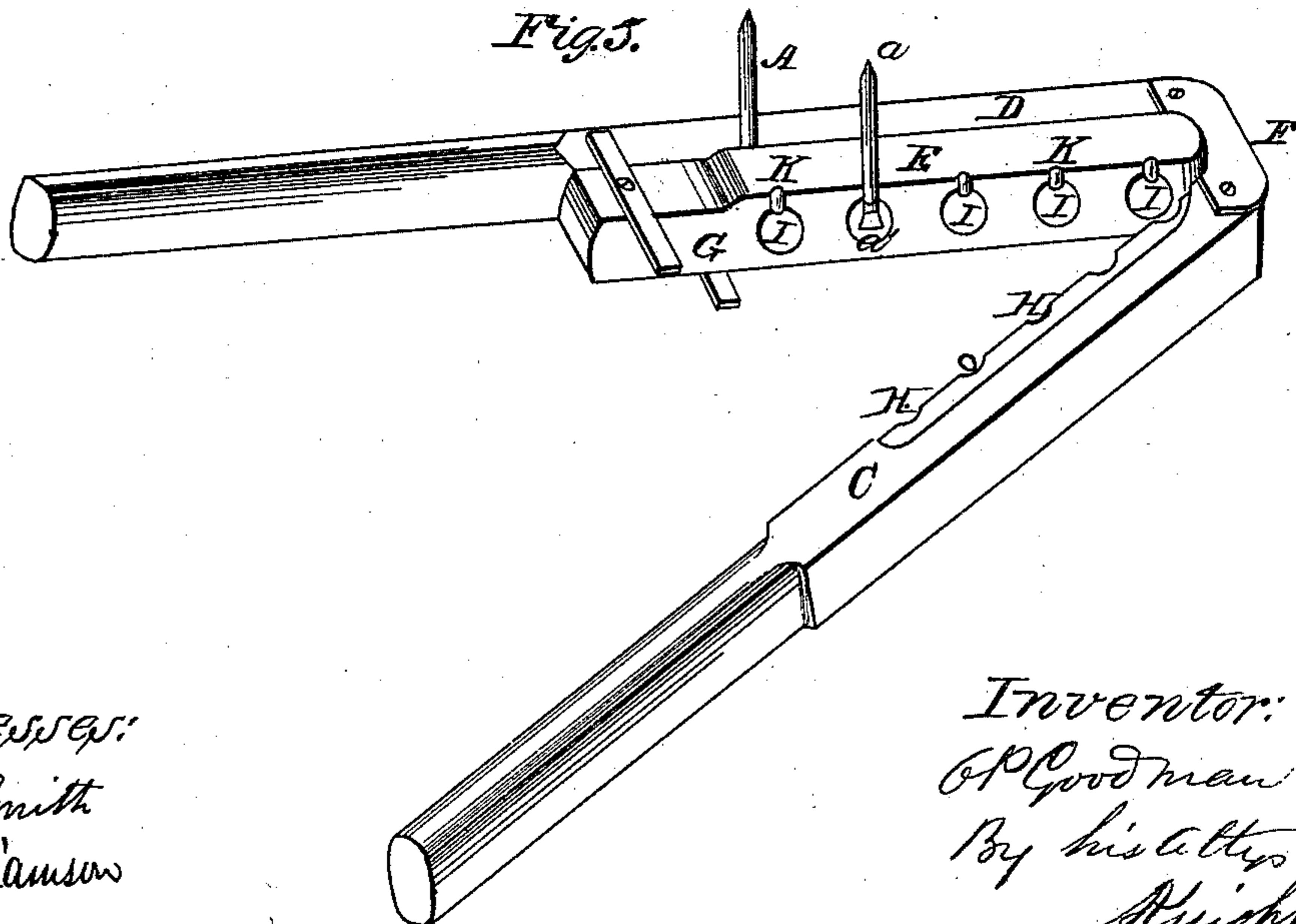


Fig. 5.



Witnesses:
John Smith
G. Williamson

Inventor:
O. P. Goodman
By his atty
Alight Bros

United States Patent Office.

O. P. GOODMAN, OF CHILLICOTHE, OHIO.

Letters Patent No. 99,559, dated February 8, 1870.

IMPROVEMENT IN NOSE-RING FOR HOGS.

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

To whom it may concern:

Be it known that I, O. P. GOODMAN, of Chillicothe, Ross county, Ohio, have invented a new and useful Nose-Ring or Pin for Hogs; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to the use of a pin for insertion into the cartilaginous portion of a hog's snout, to prevent rooting.

I do not describe the mode of casting in this specification as being part of my invention, but simply to show a convenient manner in which the ring can be made.

In the drawings—

Figure 1 shows the pin finished, ready for insertion.

Figure 2 shows the same inserted.

Figure 3 shows the form the pin is made to assume after insertion.

Figure 4 shows another method of securing the pin after insertion.

Figure 5 shows my moulds, within which the ends of the prepared stems are placed, to receive the bulbs or heads.

A is the stem of the pin, which has a point, *a*, and a flattened, notched, or bent end, *a'*, as seen in fig. 1, where the said flattened end *a'* is shown in dotted lines.

B is the head of the pin, which may be globular, semi-globular, or any other form which may be found best to fulfil the object.

In fig. 5 is seen my mould for holding the stems during the act of forming the heads, which act is accomplished by pouring any easily-fused metal around the end *a'* of the stem. This mould has considerable resemblance to one form of bullet-mould, but has provisions additional thereto, by which it is enabled to hold the stems A in place while the fused metal is poured in, as described.

The mould has two jaws, C and D, and a central piece, E, to which these jaws are connected by hinges F.

The piece E has also guide-strips, G, which serve to bring the jaws and central piece into proper relative position when they are brought together.

The central piece is made higher than the jaws, making a trough in the angle between them, into which the metal is poured.

The holes H, through which the metal runs, are made sloping, and approach the circular cavities I from one side, so as to form the neck or sprue upon one side, for easy removal, the stem being vertical.

In addition to the filling-hole H, each cavity I has, upon its upper side, an aperture, K, in which the stem A is tightly held when receiving its head.

The mould may be made without the central piece, in which form it would have but a single row of cavities, and the left-hand jaw D should be somewhat higher than C, so as to form a trough between them, as stated.

The operation is as follows:

A set of the stems A, being prepared, (having a point at one end, and being fan-shaped, bent, or notched at the other,) is inserted in the apertures K, and, the jaws being held firmly against the central piece E, the metal is poured through the holes H, and forms heads upon the said stems. The jaws are then opened and, the pins being removed from the mould, the necks are cut off. The pins are then ready for use, and are applied by thrusting them upward through the snout of the hog, and turning the upper end into an eye, as seen in figs. 2 and 3, or brought over the edge of the cartilage, and turned around the stem, just above the head, as seen in fig. 4.

It will be seen that this device is cheap and easily applied, and fulfils the requirements in a hog-ring, viz, it causes scarcely any inconvenience to the hog, except when rooting, and is free from the common annoyance of sticks and other trash lodging between the ring and the nose of the animal.

I claim herein as new, and of my invention—

The hog-nose ring herein described, consisting of the pin A *a a'*, constructed as specified, and a head, B, cast thereon, substantially as set forth.

In testimony of which invention, I hereunto set my hand.

O. P. GOODMAN.

Witnesses:

DANIEL GOODMAN,
R. S. FORBES.