

W. E. BINGHAM.
Hog-Ringing Nippers.

No. 159,886.

Patented Feb. 16, 1875.

Fig 1

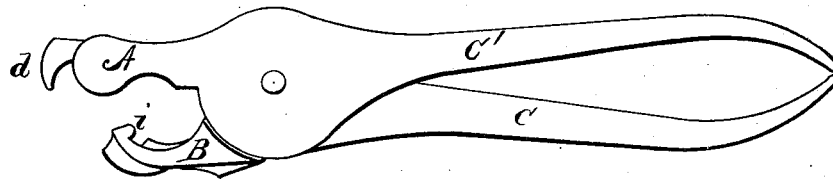


Fig 2

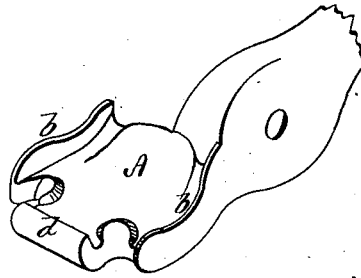
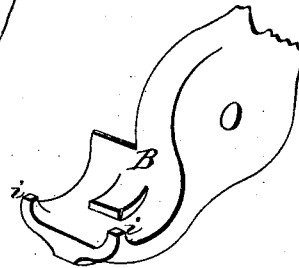


Fig 3



WITNESSES

F. L. Ourand
C. R. Eust.

INVENTOR

Wm E. Bingham.
per *Charles Mason*
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM E. BINGHAM, OF DECATUR, ILLINOIS.

IMPROVEMENT IN HOG-RINGING NIPPERS.

Specification forming part of Letters Patent No. 159,886, dated February 16, 1875; application filed January 25, 1875.

To all whom it may concern:

Be it known that I, WILLIAM E. BINGHAM, of Decatur, in the county of Macon and in the State of Illinois, have invented certain new and useful Improvements in Devices for Preventing Hogs from Rooting; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

My invention relates to that class of hog-ringers or hog-ringing nippers which are used to insert the double ring in the hog's nose; and the nature of my invention consists in providing the lower jaw of the nippers with upward projecting points, to support the ring and prevent the same from spreading when inserting in place.

In the annexed drawing, Figure 1 is a side view of a hog-ringer embodying my invention. Fig. 2 is a perspective view of the upper jaw, and Fig. 3 is a similar view of the lower jaw.

A represents the upper jaw, and B the lower jaw, formed respectively upon the front ends of two handles, C and C', which are pivoted together at *a*, in the usual manner. The upper jaw A is formed with side flanges *b b* and

a grooved lip, *d*, along the outer edge, the same as in some hog-ringers now in use. The lower jaw B is also constructed the same as usual in this class of devices, and made shorter than the upper jaw.

At the outer end, on each side of the lower jaw B, is formed a point or lug, *i*, which projects upward, as shown. These points *i i* are formed of the same piece of metal with the jaw, and are upon the extreme end of the same, and they support the ring and prevent it from spreading out when inserting in the hog's nose.

What I claim as new, and desire to secure by Letters Patent, is—

In combination with the jaw A, having side flanges *b b* and grooved lip *d*, the jaw B, made shorter than the jaw A, and having the upward-projecting points *i i*, formed with the jaw, and at the extreme end thereof, all substantially as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 21st day of December, 1874.

WILLIAM E. BINGHAM.

Witnesses:

JOHN A. BARNES,
H. P. CHRISTIE.