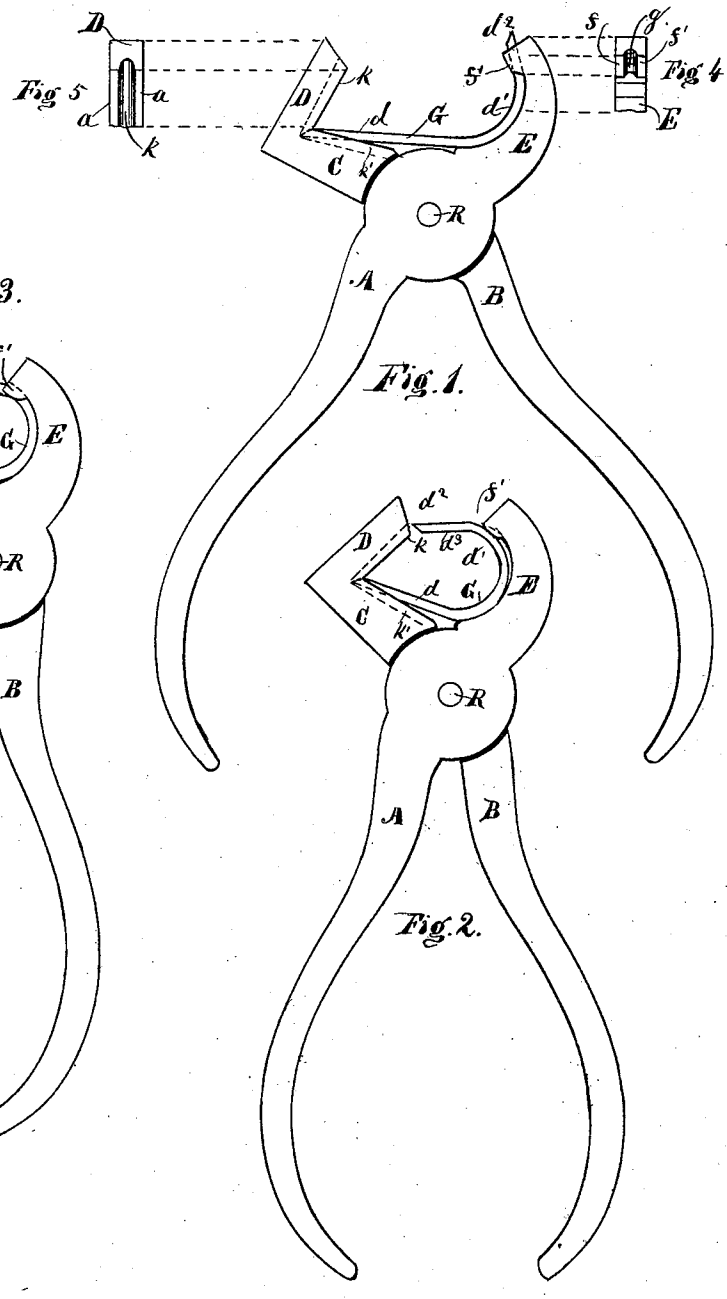
W. D. BROWN.

Instrument for Ringing Swine.

No. 206,419. Patented July 30, 1878.



Witnesses;

Chester F. Russell

Elora Phillips

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UNITED STATES PATENT OFFICE.

WILLIAM D. BROWN, OF INDIANAPOLIS, INDIANA, ASSIGNOR TO WM. B. CHAMBERS, J. ED. BERING, AND WM. J. QUINLAN, OF DECATUR, ILL.

IMPROVEMENT IN INSTRUMENTS FOR RINGING SWINE.

Specification forming part of Letters Patent No. **206,419**, dated July 30, 1878; application filed July 1, 1878.

To all whom it may concern:

Be it known that I, WILLIAM D. BROWN, of Indianapolis, in the county of Marion and State of Indiana, have invented a new and useful Improved Instrument for Inserting Rings in the Snout of Swine, of which the following is a description, reference being had to the accompanying drawings.

My invention relates to certain improvements in instruments used for inserting rings in the snout of swine.

The object of my invention is to provide a device that will force one end of a ring through the flesh and gristle of a hog's nose, while the other end remains at rest, and close the two ends of the rings together outside of the nose, so that the joint cannot enter and irritate the wound.

In the accompanying drawing, in which like letters of reference in the different figures indicate like parts, Figure 1 represents a side view of the pinchers open, showing the position of a ring-blank inserted in the jaw preparatory to closing the rings. Fig. 2 represents the pinchers partially closed, showing one straight end of the ring as it would appear after passing through the snout of a hog and just entering the guide-groove in the V-shaped jaw. Fig. 3 represents the pinchers closed and the ring bent until its beveled ends are closed tightly together. Fig. 4 represents the extreme end of the curved jaw, and Fig. 5 is an end view of the V-shaped jaw.

The ring shown in the various figures is merely shown for the purpose of illustrating the operation of the pinchers and the condition of the ring at different stages of the operation; and to said ring-blank I make no claim in this application, as it is the subject-matter of a separate and distinct application for Letters Patent.

In the accompanying drawings, A and B represent the handles of the pinchers, which are pivoted together in the ordinary manner. The jaw E forms part of the handle A, and is semicircular in form, with no groove in its inner face except at the end of the jaw, where the groove g is formed between the two projecting lips or flanges $f f'$, as shown in Fig. 4; but the groove g and flanges $f f'$ may be omitted, if desired. The other jaw, C D, forms part of the handle B, and is of peculiar construction, to wit: The V-shaped parts C D have grooves $k k'$ in their inner straight sides, as shown by dotted lines in the drawing, and by an end view of the jaw in Fig. 5. The groove k' holds the straight part d of the ring-blank, and the end of the ring rests in the angle formed at the junction of the grooves $k k'$ at the base of the V-shaped jaw C D, and the angle prevents the slipping of the ring at the lower end, thus causing the upper curved end to slide on the under side of the upper curved jaw. The curved inner surface of the jaw E holds the curved part d^1 of the ring, as shown.

When the ring is to be inserted in a hog's snout, the pinchers, containing a ring, are adjusted so that the upper curved end of the ring is above the snout. The pinchers are then closed, causing the bent part of the ring to be bent more and slide around the curved inner face of the jaw E, thus causing the end d^2 of the ring to enter and pass through the flesh and gristle of the hog's nose in a curved manner until the end d^2 comes in close contact with the other end of the ring that is held in the V-shaped jaw, after which the pinchers are removed and the ring left in the snout with its two ends outside of the flesh, where it cannot irritate the wound.

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

In a hog-ringing instrument, the V-shaped jaw C D, with grooves $k k'$, operating in connection with a curved jaw, E, substantially as shown and described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM D. BROWN.

Witnesses:

E. O. FRINK,

BELORD PHILLIPS.