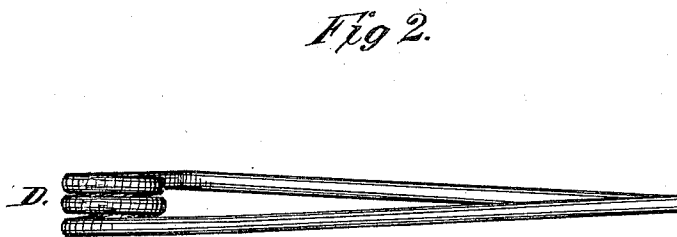
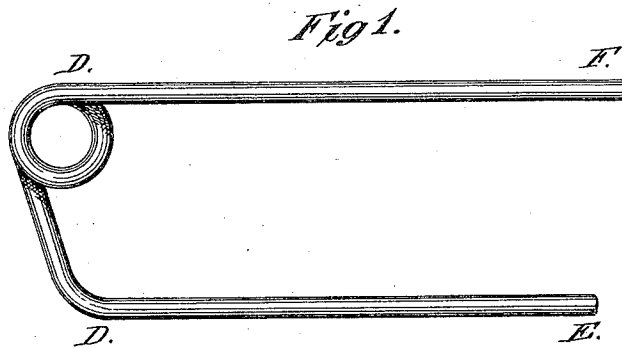


E. N. WING.
HOG-RING BLANK.

No. 172,360.

Patented Jan. 18, 1876.



Witnesses:
H. S. Wing
C. S. Hooton

Inventor:
E. N. Wing.

UNITED STATES PATENT OFFICE.

EPHRAIM N. WING, OF GREEN BAY, VIRGINIA.

IMPROVEMENT IN HOG-RING BLANKS.

Specification forming part of Letters Patent No. **172,360**, dated January 18, 1876; application filed November 4, 1874.

To all whom it may concern:

Be it known that I, EPHRAIM N. WING, of Green Bay, county of Prince Edward, State of Virginia, have invented an Improvement in Hog-Ring Blanks, of which the following is a specification:

The object of my invention is an improvement in devices for preventing a hog from rooting, by inserting into the snout a one-tenth ($\frac{1}{10}$) inch wire, six and one-half ($6\frac{1}{2}$) inches in length, having first been twice coiled around an awl one-fifth of an inch in diameter, thus forming a coil or twist, D, (Figure 2, in the accompanying drawing, in which the ring-blank is somewhat enlarged,) near the center of the wire, one end projecting from said coil or twist being straight, D F, Fig. 1; the other, D E, Fig. 1, curved.

A hole being punched in the end of the snout (not in the cartilage between the nostrils) with an awl, D F is inserted, thereby bringing the

coil or twist D close to the end of the snout. D E, being slightly curved for that purpose, is brought over the end of the nose and back to F, which has been run through the snout, where the ends F and E, Fig. 1, are twisted together to fasten the ring.

The novelty consists in the combination of the central coil D with straight arm F and curved arm E, thereby permitting the ring-blank to be inserted into the end of the snout, and obtaining a permanent fastening.

I claim as my invention—

The improved hog-ring blank having central coil D, in combination with straight arm F and curved arm E, made and applied substantially in the manner described.

E. N. WING.

Witnesses:

G. S. WING,
C. S. WOOTTON.