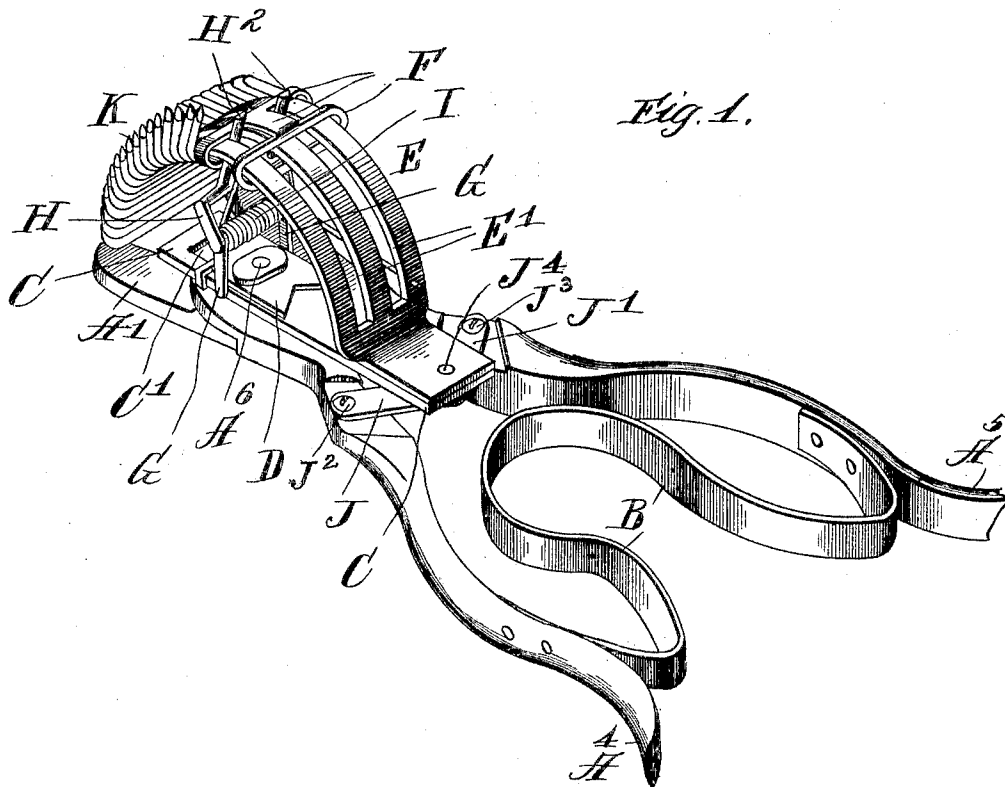
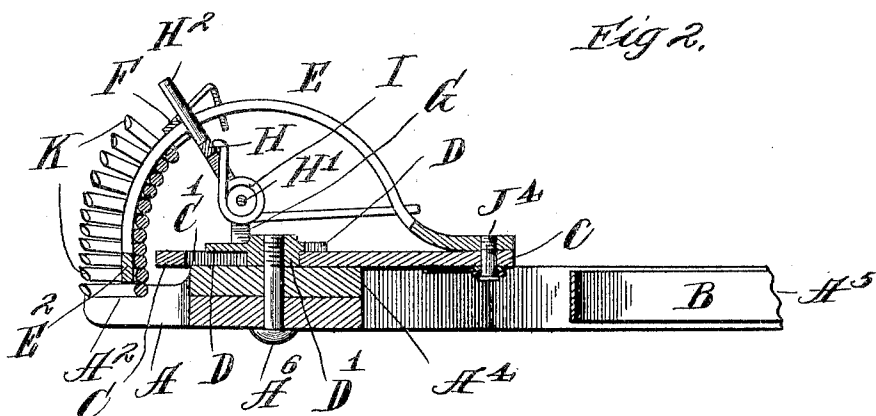


F. E. & C. O. MOHNS.
HOG RINGER.
APPLICATION FILED MAY 31, 1905.

2 SHEETS—SHEET 1.



Witnesses.

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Nellie C. Ennett.

Inventors.

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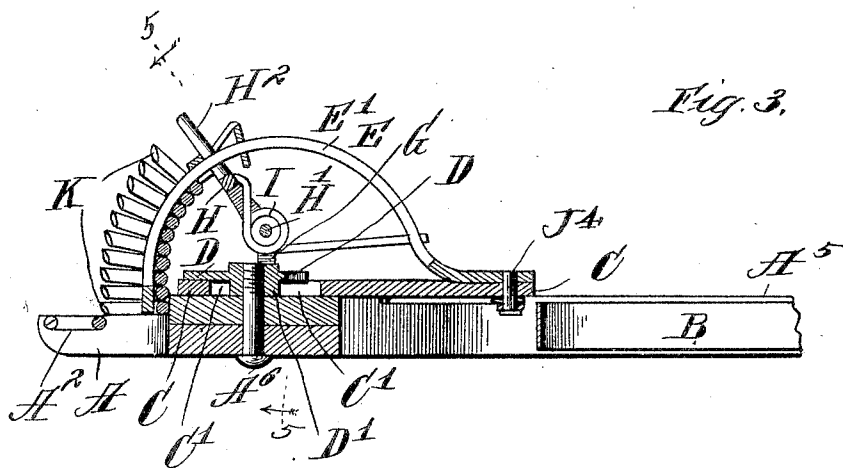
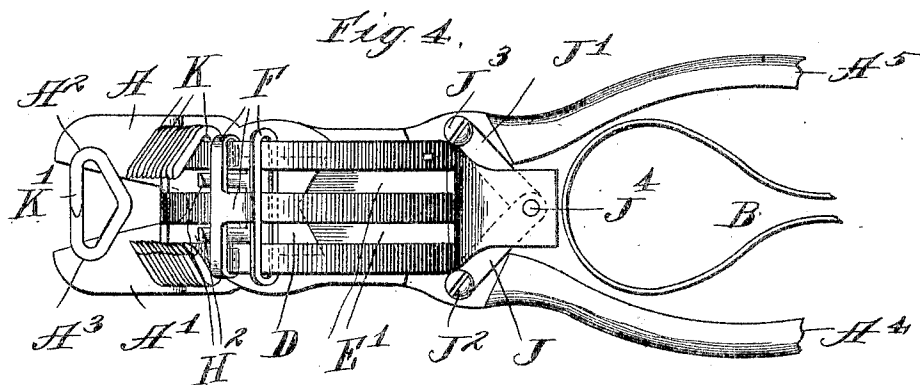
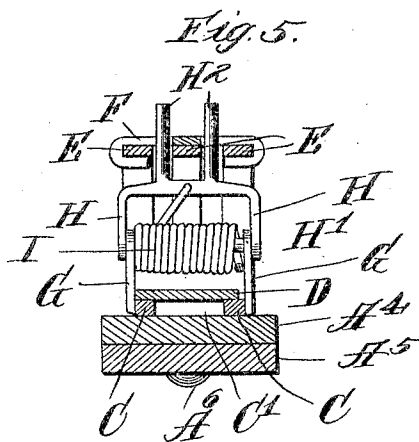
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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

FRANK E. MOHNS AND CHARLES O. MOHNS, OF ROCKFORD, ILLINOIS.

HOG-RINGER.

No. 802,770.

Specification of Letters Patent.

Patented Oct. 24, 1905.

Application filed May 31, 1905. Serial No. 263,184.

To all whom it may concern:

Be it known that we, FRANK E. MOHNS and CHARLES O. MOHNS, citizens of the United States of America, residing at Rockford, in the county of Winnebago and State of Illinois, have invented certain new and useful Improvements in Hog - Ringers, of which the following is a specification.

This invention relates to an instrument for inserting rings into the snouts of hogs. Its object is to provide a simple and improved instrument furnished with a magazine for holding ring - blanks and feeding them consecutively to the jaws of the same, to be thereby inserted through and clenched into the snouts of such animals.

It consists of certain new and useful features of construction and combination of parts especially devised to that end, all as hereinafter fully described, and specifically pointed out in the claims.

Referring to the accompanying drawings, which form a part of this specification, Figure 1 is an isometrical detail view of a hog-ringer embodying our invention. Fig. 2 is a longitudinal section of the same, showing its magazine in position to feed a ring-blank into the matrices of its clenching-jaws. Fig. 3 is a like view of the same, with its magazine at its opposite limit of travel, the handles of the instrument being closed to clench a ring. Fig. 4 is a top plan view of the instrument, with its handles closed and with all the parts thereof in the positions shown in Fig. 3. Fig. 5 is a section at the dotted line 5 5 in Fig. 3 of the complete instrument.

Like letters of reference indicate corresponding parts throughout the several views.

A A' are clenching-jaws having ring-closing matrices A² A³ formed therein and provided with handles A⁴ A⁵, crossed and pivoted together by means of a pintle A⁶, threaded at its upper end.

B is a spring included and mounted between and upon the handles A⁴ A⁵ and normally holding the clenching-jaws of the instrument wide open.

C is a magazine-carriage having a longitudinal slot C' extending transversely there-through and slidably mounted upon one of the jaws of the instrument.

D is a securing-plate for retaining the carriage C in position upon the instrument and is provided with a downwardly-projecting

lug D' of substantially the same width as the slot C' therein. The lug D' is tapped transversely and threaded interiorly to receive the correspondingly-threaded end of the pintle A⁶. The lug D' is also of suitable length to allow free longitudinal movement of the carriage C.

E is an arched magazine provided with longitudinal slots E' and rigidly secured by its rear end portion to the corresponding end portion of the longitudinally-slidable carriage C.

F is a follower looped upon the magazine E and adapted to slide freely thereon from substantially one end to the other thereof.

G represents rigid lugs projecting transversely upward from the magazine-carriage C.

H is a skeleton frame pivotally mounted, by means of the pintle H' in the lugs G and provided with tongues H², projecting through the longitudinal slots E' in the magazine E and into engagement with the follower F.

I is a spring coiled about the pintle H' and connected by one end to the frame H and by the other end to the magazine E and normally acting, through such follower F, to feed the ring-blanks from the magazine E down into the matrices A² A³ in the clenching-jaws A A' of the instrument.

J J' are links pivoted at their outer ends, by means of pintles J² J³, to the handles A⁴ A⁵ of the clenching-jaws and pivoted together at their inner ends and to the rear end of the magazine-carriage C by means of the pintle J¹.

K represents ring-blanks slid upon the magazine E, which may be filled throughout its entire length therewith, if so desired. In order to fill such magazine, the tongues H² are forced backward against the action of the spring I the full length of the slots E' therein, and the rings K are then slid thereon over the free end E² thereof, Fig. 2, while the jaws of the instrument are wide open, Fig. 1.

Supposing all parts of the instrument to be in the positions shown in Figs. 1 and 2, its operation will be as follows: The edge of the animal's snout projecting between the open ends of the lower ring K in the magazine, the handles are shut smartly together, Fig. 4, thereby inserting the ring K', which is resting in and acted upon by the matrices A² A³ in the jaws A A' through and clenching it together therein. During the operation just described the magazine, with its rings, has

traveled backward to the position shown in Figs. 3 and 4 in order to leave the jaws A A' free to perform their function.

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

1. In a hog-ringer, in combination, a pair of crossed-handled clenching-jaws having ring-closing matrices therein, and a magazine carrying a plurality of ring-blanks and adapted to be advanced and feed the lower ring thereon into the matrices in the jaws, by the operation of opening its jaws, and to be withdrawn from coöperation with such jaws, by the operation of closing the same, substantially as described.

2. In a hog-ringer, in combination, a pair of crossed-handled clenching-jaws having ring-closing matrices therein, a longitudinally-slidable magazine carrying a plurality of ring-blanks, spring-actuated devices for feeding the ring-blanks into the ring-closing matrices in the jaws thereof, and link connections, between the magazine and the handles of the jaws, for operating the magazine, substantially as described.

3. In a hog-ringer, in combination, a pair of crossed-handled clenching-jaws, having ring-closing matrices therein, a longitudinally-slidable magazine carrying a plurality of ring-blanks, a follower looped upon and adapted to freely slide upon the magazine, spring-actuated devices for impelling the fol-

lower against the ring-blanks to feed them into the ring-closing matrices in the jaws thereof, and link connections between the magazine and the handles of the jaws for operating the magazine, substantially as described.

4. In a hog-ringer, in combination, a pair of crossed-handled clenching-jaws A A' having ring-closing matrices A² A³ therein, a longitudinally-slidable magazine E having lugs G thereon and adapted to carry a plurality of ring-blanks, a follower F adapted to slide freely on the magazine E, a skeleton frame H pivotally mounted, by means of the pintle H¹, in the lugs G, and provided with tongues H² projecting, through longitudinal slots E' in the magazine E, and into engagement with said follower F, spring-actuated devices operating through the frame H to feed the ring-blanks into the ring-closing matrices A² A³ in the jaws A A', and link connections J J' between the magazine E and the handles A⁴ A⁵ of the jaws, substantially as described.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

FRANK E. MOHNS.
CHARLES O. MOHNS.

Witnesses:

L. L. MORRISON,
NELLIE E. ENNETT.