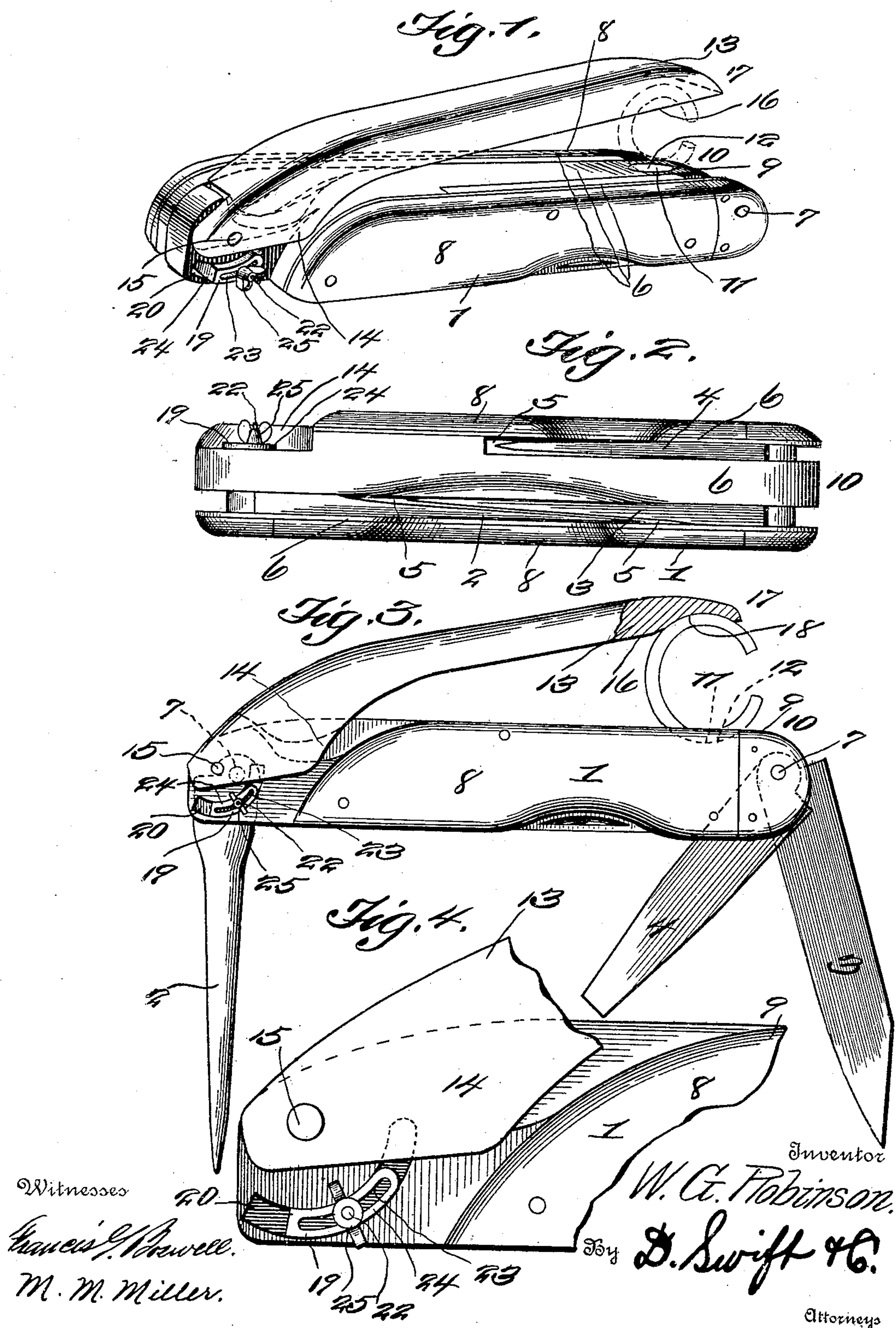


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APPLICATION FILED JAN. 25, 1910.

962,979.

Patented June 28, 1910.





# UNITED STATES PATENT OFFICE.

WILLIAM G. ROBINSON, OF GUTHRIE, OKLAHOMA.

COMBINATION HOG-RINGER AND TOOL.

962,979.

Specification of Letters Patent. Patented June 28, 1910.

Application filed January 25, 1910. Serial No. 539,924.

*To all whom it may concern:*

Be it known that I, WILLIAM G. ROBINSON, a citizen of the United States, residing at Guthrie, in the county of Logan and State of Oklahoma, have invented a new and useful Combination Hog-Ringer and Tool; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention pertains to a new and useful combination tool, and the primary object thereof is to provide a tool of this design having arranged therein an awl, a cutting knife and a screw-driver; but more particularly the invention involves a further object, which consists in providing the tool with a hog ringer device, whereby rings may be easily and quickly inserted in the noses of animals, there being adjustable means whereby the main jaw of the hog ringer may be limited in its movement, when various sizes of rings are being applied to noses.

This invention comprises further objects and combinations of elements, which will be hereinafter more fully described, shown in the accompanying drawings, and the novel features thereof will be pointed out by the appended claims.

In this specification and the drawings annexed hereto, a particular design of device is adhered to, but the invention is not to be confined to this particular design.

The device in its actual reduction to practice may require changes and variations; the right thereto belongs to the applicant, provided such changes and variations are comprehended by the appended claims.

Referring more especially to the drawings, Figure 1 is a perspective view of the combination tool and hog ringer. Fig. 2 is a plan view of the tool, clearly disclosing the various tools within the handle of the device. Fig. 3 is a side elevation, showing the main jaw of the ringer slightly raised, illustrating the means for limiting said jaw in its movement, and further showing the various tools open. Fig. 4 is an enlarged detail elevation of the means for limiting the main jaw of the ringer.

In regard to the annexed illustrations, 1 represents the main handle of the tool, which, in the present instance, is shown as representing the usual knife handle, in which is arranged various tools, for example, an awl

2, the usual knife blade 3 and the screw-driver 4, there being the usual springs, against which the various tools act when being opened, and which are designed to hold the tools open or closed. These tools, when closed within the handle, are received by recesses 5, there being suitable metallic plates 6 within the recesses, between which the various tools operate. The tools are mounted upon pivot pins 7 (which extend transversely of the handle). The handle may be provided with plates 8 of bone, ivory or other suitable material upon two of the side faces (which may be of any suitable configuration or design).

The handle 1 acts as the secondary jaw 9 of the ringer, and is provided upon its back portion adjacent the end 10 thereof with a recess 11, the bottom 12 of which is curved upon an arch, in order to conform to the curvature of the ring to be inserted in the animal's nose.

13 denotes the main jaw of the ringer, which is provided with a rearwardly and downwardly curved portion 14, which is pivoted in a recess of the said secondary jaw, upon a pin 15.

The main jaw upon the face 16, which is arranged adjacent to the back of the handle or the secondary jaw adjacent the end 17, is provided with a recess 18. This recess 18 also conforms to the curvature of the ring. The two recesses act in such wise as to prevent displacement of the ring, as the same is being applied to an animal's nose.

There are various sizes of rings utilized in ringing noses of various animals, and for that reason this combination tool is provided with new and novel means, whereby the main jaw of the ringer may be limited in its movement, for instance, when moving in the direction of the secondary jaw or handle. This means 19 for limiting the movement of the main jaw comprises a segmental recess 20, located in the recess in which the portion 14 of the main jaw is pivoted. This recess 20 is disposed upon an arc, using the pivot of the main jaw as a center, and projecting from the bottom thereof is a threaded pin or stud 22 (which penetrates through an elongated segmental slot 23, of the plate 24.) This plate 24 is received within the recess 20, and is also constructed upon an arc, in order to conform to the curvature of the recess 20. The plate 24 projects slightly beyond the recess, in order to be ar-



ranged in the path of the rear portion 14 of the main jaw, especially when it is desired to utilize the ringer, whereby the main jaw may be limited in its movement toward the secondary jaw or handle. Applied to this projecting pin or stud is a threaded nut or member 25, in order that the plate may be secured against movement, after once being set. It is clearly evident when examining the drawings in connection with this specification that the said plate may be readily and easily adjusted to accommodate the desire of the person operating the device.

In applying a ring to an animal's nose, the same is placed within the recess of the secondary jaw or handle, in the desired position, and held so until the main jaw is brought in the direction of the secondary jaw, in such a manner that the recess of said main jaw may receive the said ring, after which the opening in the ring is placed in the position to receive the cartilage of the nose (through which the adjacent ends of the ring penetrate), it thus being understood that this is the manner in which hogs are generally applied with rings. In accomplishing this operation, the said plate carried within the recess 20 may be adjusted to suit the occasion.

From the foregoing, the essential elements and the operation of the device, together with the simplicity thereof, will be clearly apparent.

Having thus fully set forth the invention, what is claimed as new and useful is:—

1. A ringer comprising a secondary jaw and a pivotally mounted main jaw, said secondary jaw having a cut-away portion or recess upon one face thereof near one end, said cut-away portion having a segmental

recess therein disposed upon an arc using the pivot of the main jaw as a center, a segmental plate conforming to the curvature of said recess disposed therein as to be readily adjusted, and means for holding the plate in an adjusted position, whereby the main jaw may be limited in its movement.

2. A ringer comprising a secondary jaw and a pivotally mounted main jaw, said secondary jaw having a cut-away portion or recess upon one face thereof near one end, said cut-away portion having a segmental recess therein disposed upon an arc using the pivot of the main jaw as a center, a segmental plate conforming to the curvature of said recess disposed therein as to be readily adjusted, means for holding the plate in an adjusted position, whereby the main jaw may be limited in its movement, said pivoted main jaw and secondary jaw having oppositely disposed recesses to cooperate with the ring when the same is being applied to an animal's nose.

3. A ringer comprising a main jaw and a secondary jaw pivotally united, each jaw being formed with an arcuate recess to hold a ring, the secondary jaw having a cut-away portion in its rear end in which a segmental recess is formed, a segmental plate movable in the recess, and a screw extending through the segmental plate adapted to hold the same in fixed position, said plate forming a stop for the main jaw.

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

WILLIAM G. ROBINSON.

Witnesses:

GEO. K. FITZGILES,  
WESLY MCGILL.