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SEALING TOOL.

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975,857.

Patented Nov. 15, 1910.

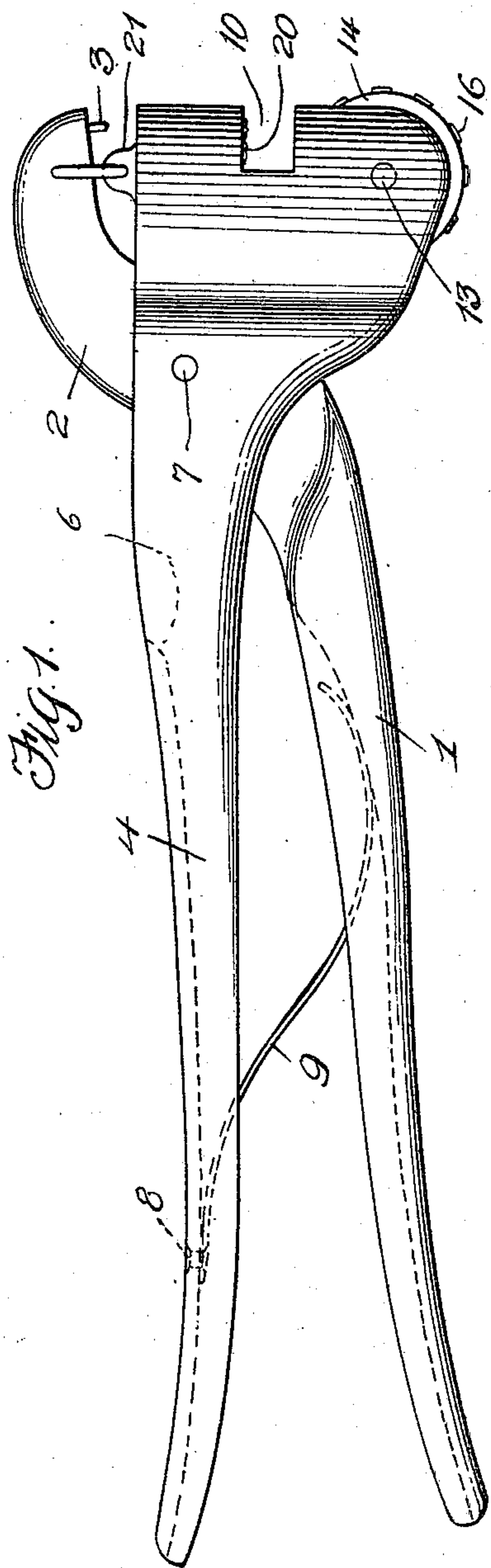


Fig. 3.

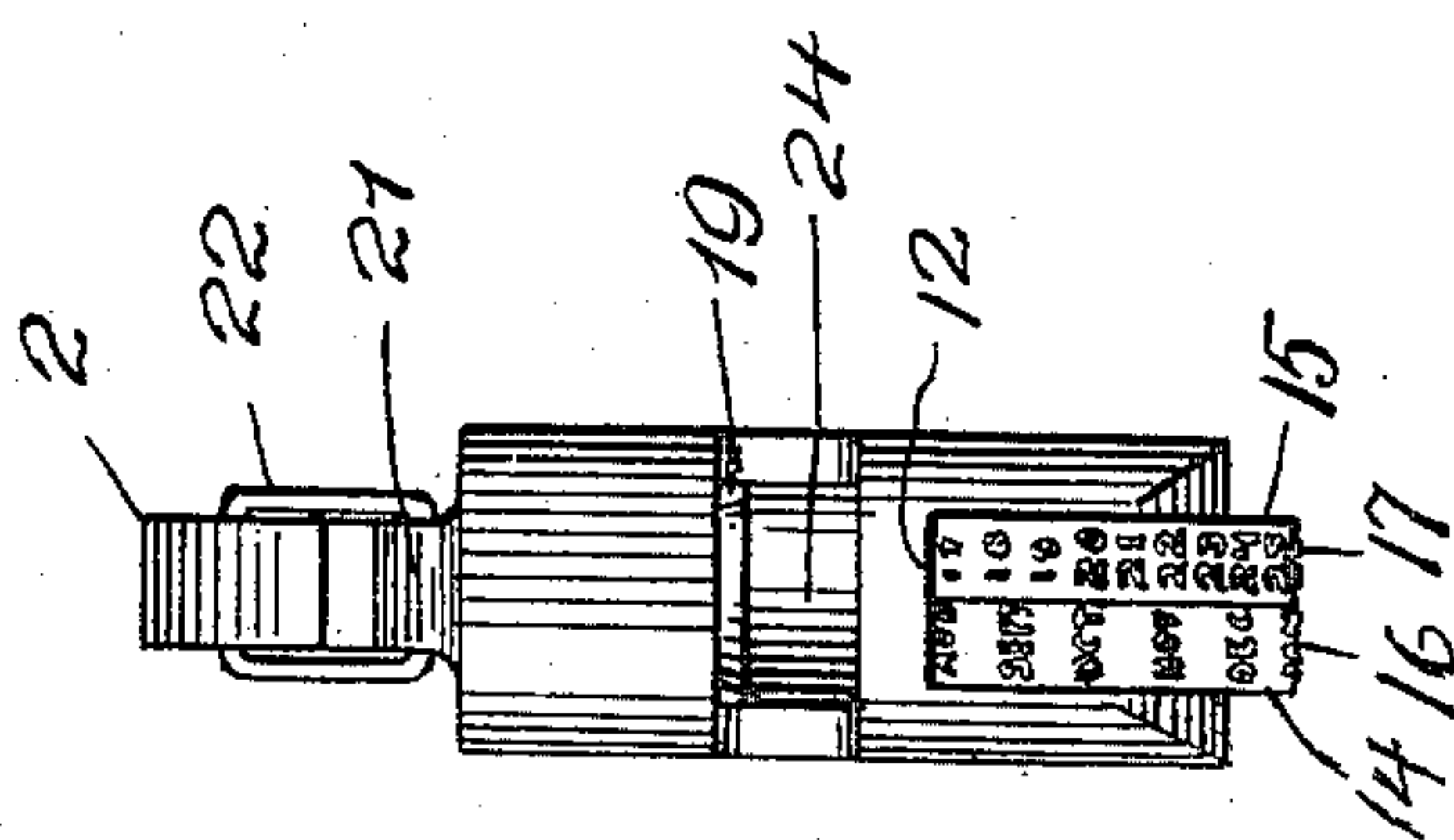
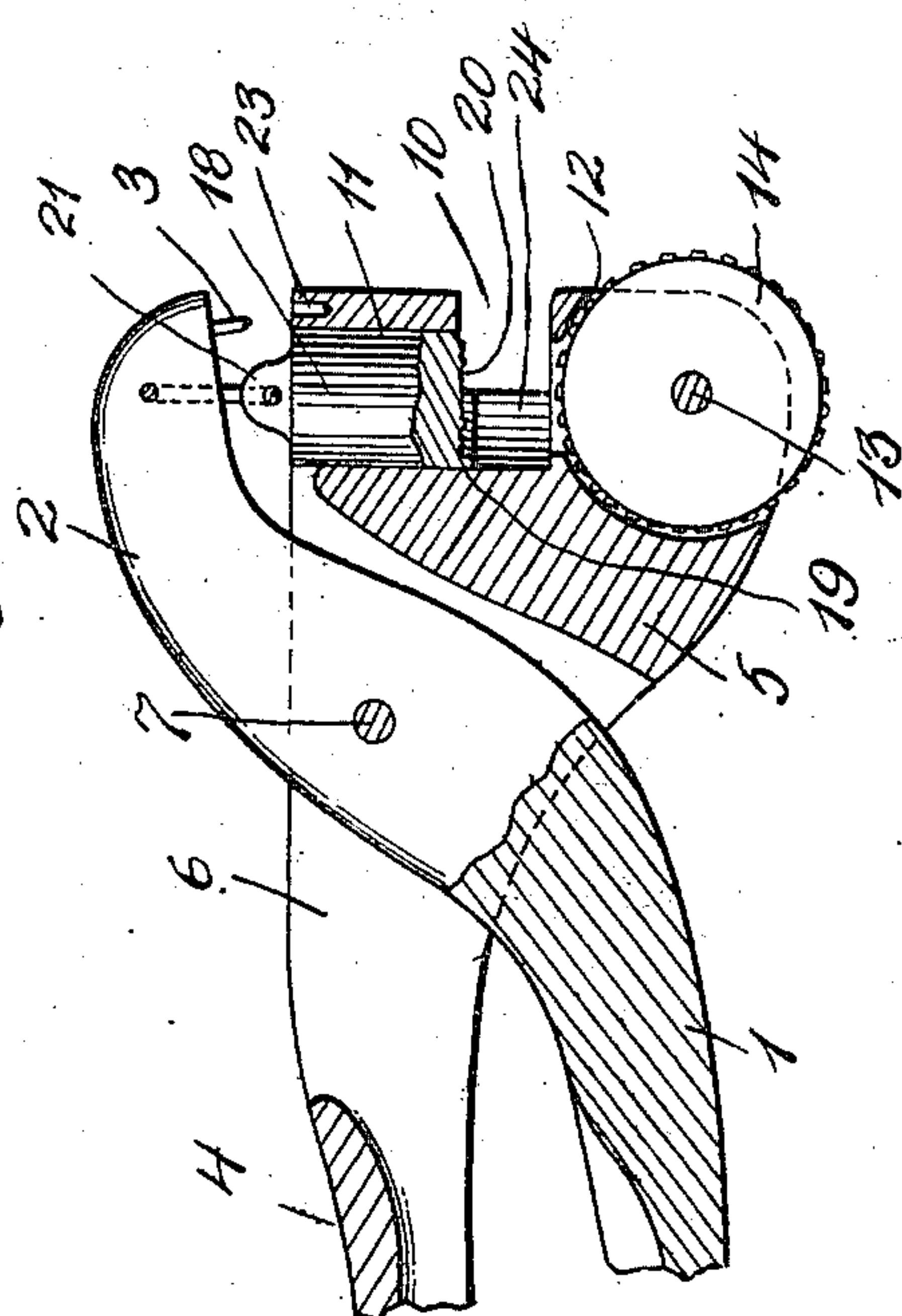


Fig. 2.



Witnesses—

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UNITED STATES PATENT OFFICE.

AMOS E. GROOM, OF PITTSBURG, DAVID S. McFALL, OF AVALON, AND WILLIAM J. NOAH, OF BEN AVON, PENNSYLVANIA.

SEALING-TOOL.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, (1) AMOS E. GROOM, (2) DAVID S. McFALL, and (3) WILLIAM J. NOAH, citizens of the United States of America, residing at (1) Pittsburg, (2) Avalon, and (3) Ben Avon, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Sealing-Tools, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to a sealing tool, and the object of our invention is to provide an instrument of the above type that can be advantageously used by milkmen and car despatchers for punching a soft metal seal to receive a wire and after the insertion of the wire to compress the seal and provide the same with the date and mark of the person performing the operation.

Our invention aims to provide an instrument that can be easily manipulated and set whereby a milkman or car despatcher in closing a can or car can easily and quickly seal the same by the use of the instrument and provide the seal with the date of the month upon which the can or car is closed, also with the mark of the shipper or person sealing the can or car. To this end, we construct an instrument along the lines of a pair of pliers with one of the jaws provided with a punching pin and the other jaw with dating dies, two of the dies being revoluble while the other is reciprocated in the jaw to cooperate with the revoluble dies in impressing the upper and lower faces of the soft metallic seal.

The detailed construction entering into our invention will be hereinafter described and then claimed, and reference will now be had to the drawing forming a part of this specification, wherein there is illustrated a preferred embodiment of our invention, but it is to be understood that the structural elements thereof can be varied or changed, as to the size, shape and manner of assemblage without departing from the spirit and scope of the invention.

In the drawings:—Figure 1 is an elevation of an instrument constructed in accordance with our invention. Fig. 2 is a sectional elevation broken away of the instrument, and Fig. 3 is an end view of the instrument.

In the accompanying drawings, the ref-

erence numeral 1 denotes a handle or lever which for the greater portion of its length is channel-shaped in cross section, the forward end of said handle terminating in a jaw 2 provided with a punching pin 3.

The reference numeral 4 denotes a handle or lever, having one end thereof enlarged to provide a jaw 5. The handle 4 for a greater portion of its length is channel-shaped in cross section and adjacent to the jaw 5 is slotted, as at 6, to receive the forward or jaw end of the handle 1, which is pivotally mounted in the slot 6 by a transverse pin 7. Connected to the handle 4, as at 8, is a flat spring 9 adapted to extend into the handle or lever 1 and normally maintain the handles 1 and 4 separated with the jaws 2 and 5 in an open position.

The jaw 5 is provided with a slot 10 communicating with an opening 11 and a vertical slot 12 disposed at right angles with respect to the slot 10. In the slot 12 are revolubly mounted through the medium of a transverse pin 13 two circular wheels or dies 14 and 15, the former having the periphery thereof provided with type or integral projections 16 representing abbreviations of the months of the year, while the periphery of the latter is provided with type or projections 17 representing the dates of the days of a month.

In the opening 11 is movably mounted a reciprocating die or plunger 18 having the lower end thereof provided with a semi-circular flange 19 and type or projections 20 adapted to represent the mark of the shipper or operator having authority to use the instrument. The upper end of the die or plunger 18 is provided with an apertured lug 21 which is pivotally connected to the jaw 2 by a link 22, and the jaw 5 adjacent to the opening 11 is provided with a socket or recess 23 adapted to receive the punching pin 3.

In order that a seal can be correctly positioned in the horizontal slot 10, the rear wall of the slot 10 is rounded, as at 24, and a seal can be easily placed in the slot 10 to engage the rear wall whereby it will be correctly positioned to receive impressions from the revoluble dies 14 and the reciprocating die 18.

A soft metal seal is first placed between the jaws 2 and 5 and the jaws closed to provide the seal with an aperture. After a wire

or the ends of wires have been placed in the aperture of the seal, the seal is placed in the slot 10 and the jaws 2 and 5 brought together, whereby the die 18 will be lowered 5 and simultaneously with the dies 14 will provide the upper and lower faces of the seal with impressions.

It is thought that in view of the above description that our invention will be fully 10 understood, and we reserve the right to make the instrument of various materials.

Having now described our invention, what we claim as new is:—

A sealing tool comprising a handle having 15 one end enlarged to provide a jaw 5 and further having an opening in proximity to said jaw, a handle extending through said opening and pivotally connected to the first mentioned handle and having its pivoted 20 end terminating in a jaw 2 extending above and clear of the jaw 5, said jaw 5 formed in its lower portion with a slot 12 and in its upper portion with an opening 11 opposing the slot 12, and said jaw 5 further provided

with a slot 10 intermediate its ends and dis- 25 posed at right angles with respect to the opening 11 and slot 12, a shiftable die mounted in said opening 11 and adapted to project in the slot 10, said die provided at its upper end with an apertured lug, said 30 slot 10 adapted to receive a blank and having its inner wall rounded and which abuts the blank when the latter is positioned in the slot 10, adjustable dies arranged in the slot 12 and adapted to impress the blank 35 when the shiftable die is forced downwardly in the opening 11 against the blank in the slot 12, and a link connection between the jaw 2 and said apertured lug.

In testimony whereof we affix our signa- 40 tures in the presence of two witnesses.

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Witnesses:

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