

(No Model.)

R. H. HOUK.  
TANNER'S TOOL.

No. 440,240.

Patented Nov. 11, 1890.

Fig. 1.

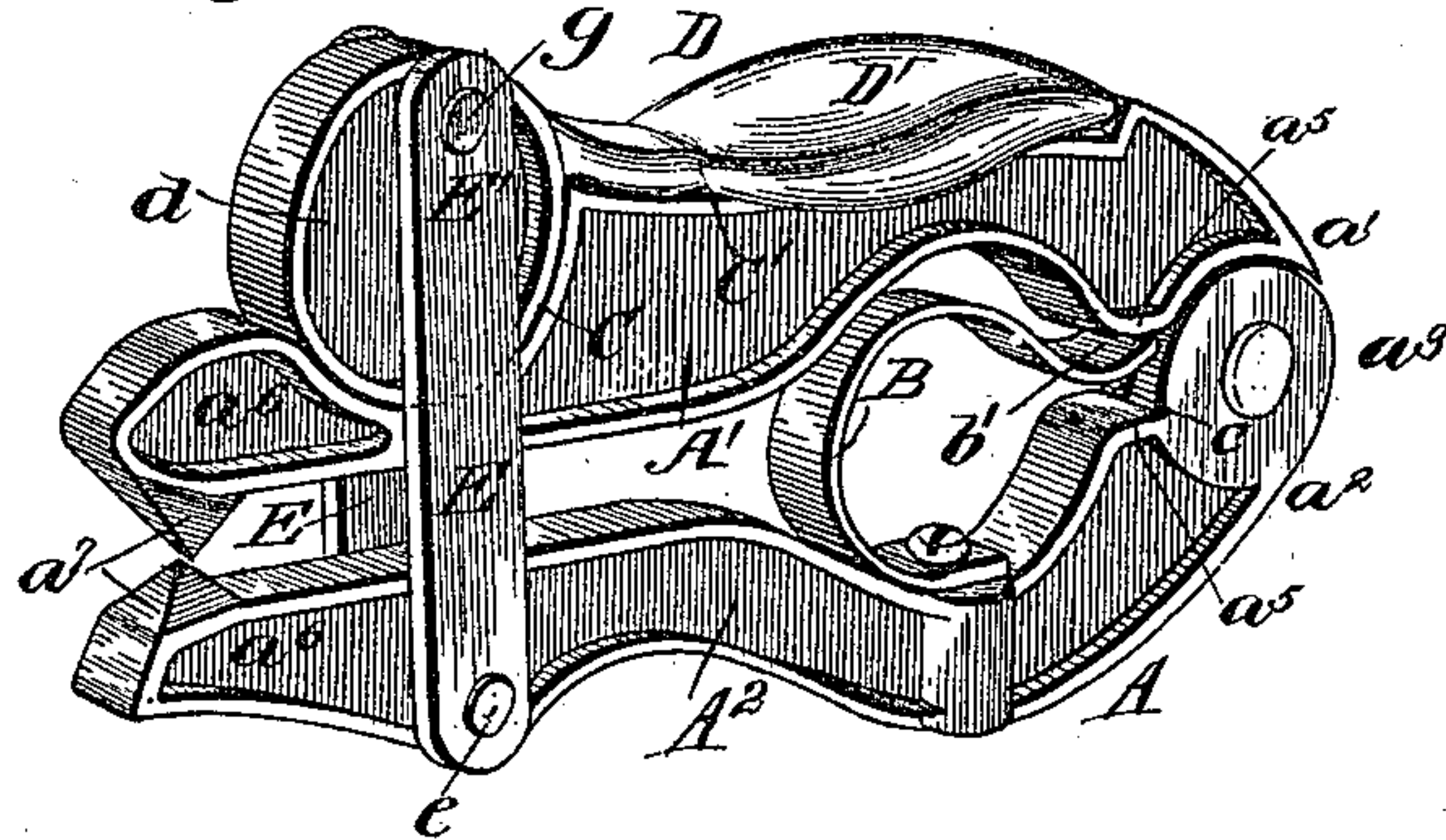


Fig. 2.

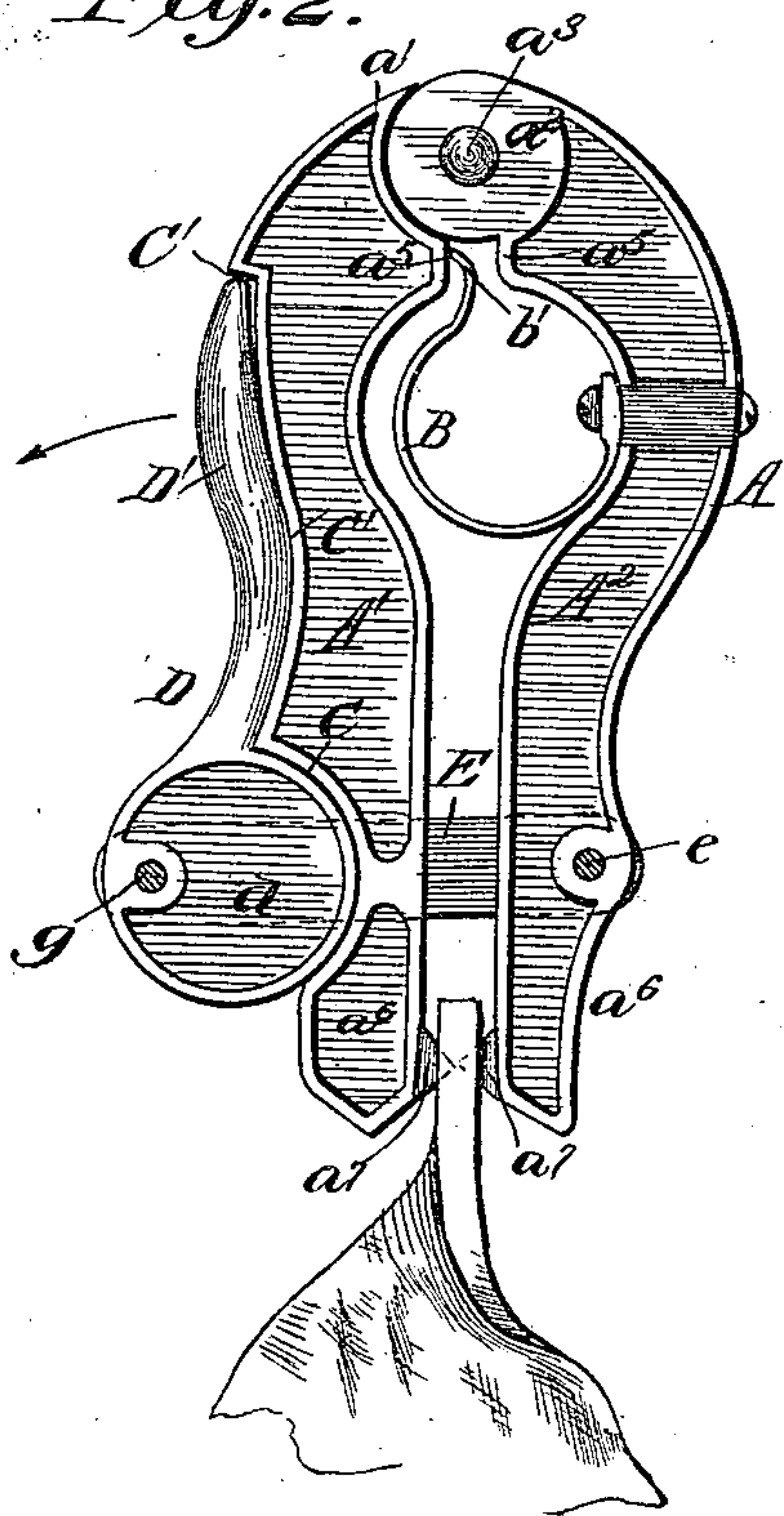
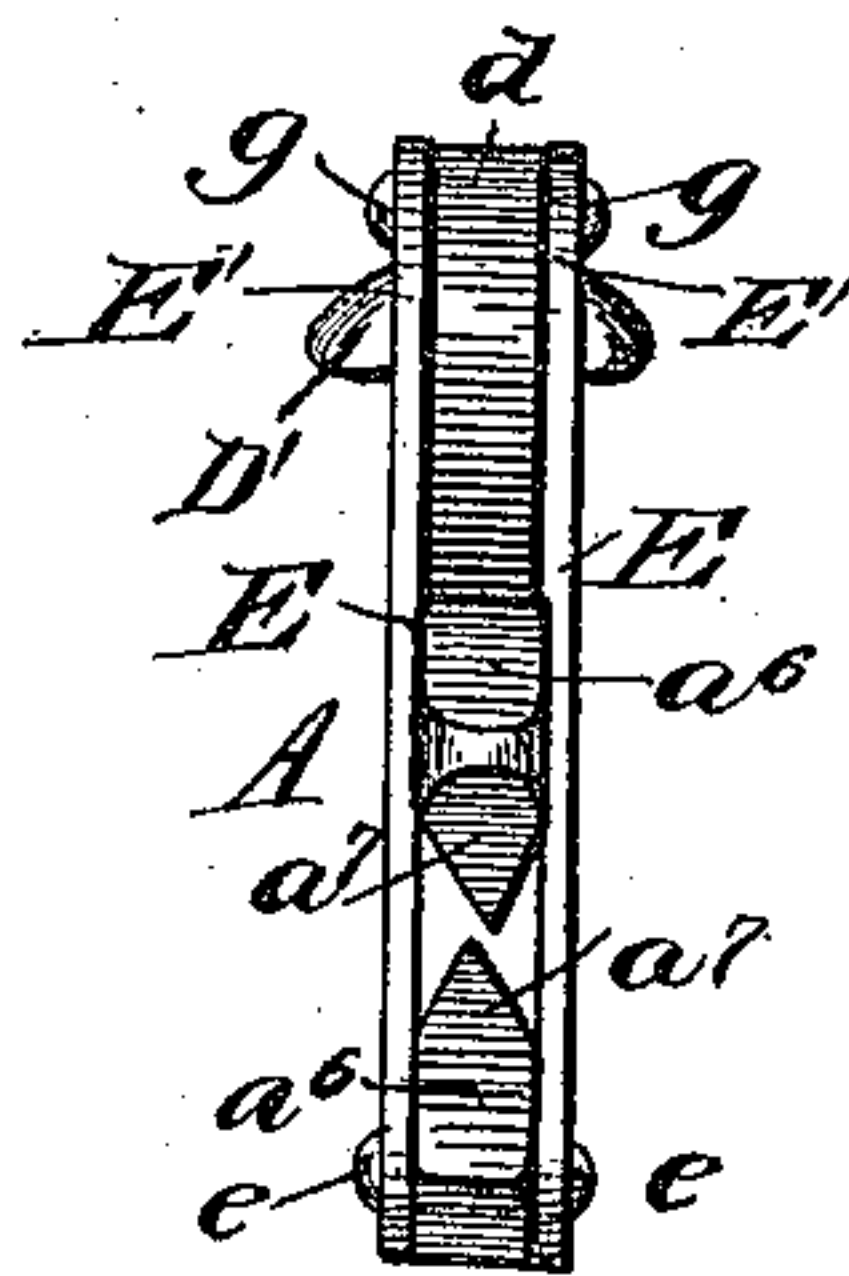


Fig. 3.



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# UNITED STATES PATENT OFFICE.

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## TANNER'S TOOL.

SPECIFICATION forming part of Letters Patent No. 440,240, dated November 11, 1890.

Application filed March 24, 1890. Serial No. 345,158. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT H. HOUK, residing at Morris, in the county of Grundy and State of Illinois, have invented certain new and useful Improvements in Clamps, of which the following is a specification.

My invention has for its object to provide a clamping device more especially adapted for use in tannery and currier shops, by means of which the necessity of cutting loops or punching holes in the hides is avoided.

It also has for its object to provide a suitable clamping device which will hold hides of different thicknesses, and which can be easily manipulated and manufactured at a very small cost.

To this end my invention consists in certain novel features of construction and combination of parts, all of which will hereinafter be fully described in the annexed specification, and particularly pointed out in the claims, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my improved device. Fig. 2 is a sectional side view of the same, and Fig. 3 is an end view thereof.

In the accompanying drawings, A indicates my improved clamp, which consists of two jaws A' A<sup>2</sup>, hinged together at their ends a' a<sup>2</sup> on the pintle a<sup>3</sup>, and B denotes a leaf-spring secured at one end to the lower jaw A<sup>2</sup>, its free end b' being held in a recess c, formed between the edges a<sup>5</sup> a<sup>5</sup> of the jaws, as shown, said spring serving to normally force the said jaws apart. The jaws A' A<sup>2</sup> are formed into extensions a<sup>6</sup> a<sup>6</sup>, having oval-shaped ends, the meeting faces of which are formed into spur-like projections a<sup>7</sup> a<sup>7</sup>, the points of which, however, are arranged in different vertical planes, as most clearly shown in Fig. 3 of the drawings, the purpose of which will hereinafter appear.

C denotes a semicircular socket formed on the upper face of the jaw A', the rear end of which is extended into a long shallow recess C'.

D denotes a cam, the circular head d of which is seated and operates in the socket C, while its stem or handle D' fits the recess C' when in its compressed position.

E E denote connecting-links, pivoted at e e to the lower jaw slightly to rear of a vertical line taken centrally through the cam-head d.

The upper ends E' E' are pivoted upon lateral lugs or pins g g, formed on the head d, said lugs being disposed eccentrically of the bearing-surface of the cam-head.

In operation the handle D' is moved in the direction indicated by the arrow, which causes the jaws to spread apart. The jaws are then slipped over one edge of the hide, the handle is then compressed, and the links, passing the vertical axis of the cam-head, will cause the same to bite into and securely hold the hide. The points or barbs of the jaws being arranged in different vertical planes, as stated, allow the said points to come together without cutting a hole in the hide.

By forming the recess C', as described, the handle d' will fit therein, thereby forming, practically, a continuation of the curve of the jaw A'.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A clamp of the character described, consisting of the pivoted jaws A' A<sup>2</sup>, the intermediate spring for automatically forcing said jaws apart, the ends thereof bent toward each other and formed with spur-like projections, a socket formed in the jaw A', a cam-lever, its head d, operating in said socket, and the connecting-links pivotally secured at one end to the jaw A<sup>2</sup>, their opposite ends pivotally secured to the cam-head d eccentrically of its bearing portion, substantially as and for the purpose described.

2. A device of the character described, consisting of the two jaws A' A<sup>2</sup>, pivoted together at their rear ends, the spring B, for normally forcing said jaws apart, the jaw A', formed with a socket C and a longitudinal recess C', a cam D, formed of a head d, seated in said socket C, and a handle d', adapted to seat in the recess C', the connecting-links E, pivotally connected at their lower ends to the jaw A<sup>2</sup>, their upper ends pivotally connected eccentrically to the cam-head, and barb-like projections arranged in different planes formed on meeting faces of the jaws near their outer ends, all arranged substantially as and for the purpose described.

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Witnesses:

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