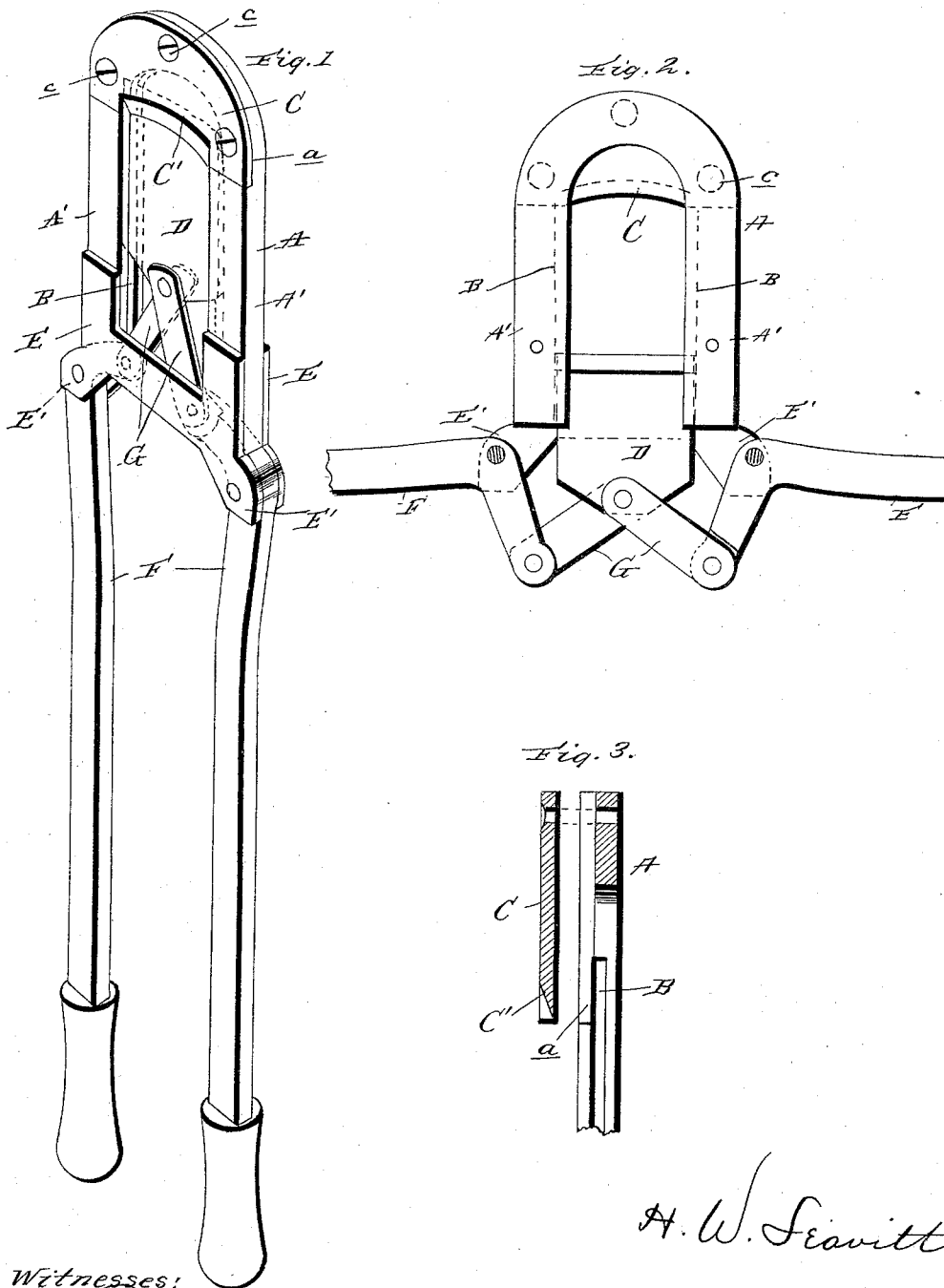


(No Model.)

H. W. LEAVITT.
DEHORNING IMPLEMENT.

No. 458,853.

Patented Sept. 1, 1891.



Witnesses:

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UNITED STATES PATENT OFFICE.

HARRY W. LEAVITT, OF HAMMOND, ILLINOIS.

DEHORNING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 458,853, dated September 1, 1891.

Application filed April 11, 1891. Serial No. 388,544. (No model.)

To all whom it may concern:

Be it known that I, HARRY W. LEAVITT, a citizen of the United States, residing at Hammond, in the county of Piatt and State of Illinois, have invented certain new and useful Improvements in Dehorning-Instruments; 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.

My invention consists in a new and improved dehorning device, which possesses certain novel and valuable features, and which will be hereinafter fully described and claimed.

Referring to the accompanying drawings, Figure 1 is a perspective view showing the handles or levers closed. Fig. 2 is a side view showing the handles open and the frame-piece on that side removed. Fig. 3 illustrates in detail, on an enlarged scale, the outer end of the instrument, showing the stationary blade raised from the side on which it fits.

The same letters of reference indicate corresponding parts in the several figures.

Referring to the several parts by letter, A indicates the U-shaped body of the instrument, the parallel sides A' of which have formed in their inner edges longitudinal recesses B. The outer end of the body A is recessed on one side to form the seat a, on which fits and is removably secured the stationary blade C. The outer edge of the stationary blade is curved to correspond to the shape of the curved outer end of the body A, and is secured on the side a by means of screws c. The inner edge C' of the stationary blade is beveled and sharpened on one side, as shown, and is also slightly curved longitudinally.

D indicates the sliding or removable blade, the ends of which fit and slide in the longitudinal recesses B. The open end of the U-shaped body A is closed by the two frame-pieces E E, which are bolted on opposite sides of the open end of the body, leaving the parallel flattened arms E'. Between these arms of the frame-pieces are bolted the curved inner ends of the handle-levers F. The inner ends of these pivoted levers are connected to the outer end of the sliding blade D by means of two flat links G, the ends of which are pivoted, respectively, to the

inner ends of the handle-levers and the outer end of the sliding blade. It will be seen that the metal frame-pieces E firmly connect and brace the ends of the U-shaped body A, and thus add greatly to the strength and durability of the tool, rendering it almost impossible for the body A to become bent or broken by hard usage.

In operation the handles are separated through the links G, withdrawing the sliding blade from the stationary blade. The tool is then slipped down over the animal's horn until the body A rests upon the head, when by pressing the handles together the sliding knife is forced against the stationary blade, thus quickly and effectively severing the horn from the head. By forming the cutting-edge C' of the stationary blade C with the slight curvature described and shown it will be found that by turning the instrument and opening and closing the handles slightly the blades can be caused to cut entirely around the horn. By employing the two handle-levers the sliding blade will move easily in the recesses B, and it will be impossible for it to bind therein. The sliding knife is guided directly to the horn by the recesses B, so that the horn will be positively cut at the desired point, and the edges of the two knives overlap, so as to produce a shearing cut on the horn, thus making the operation of the device very light and easy.

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

The combination of the U-shaped body A, formed with the longitudinal recesses B and recessed at its outer end to form the seat a, the removable blade C, curved to conform to the curved outer end of the body A and having the curved cutting-edge, the frame-pieces E, secured to the inner ends of the body A, the blade D, sliding in the recesses B, the pivoted hand-levers, and the straight connecting-links G, pivotally connecting the inner end of the hand-levers with the lower end of the sliding blade D, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY W. LEAVITT.

Witnesses:

A. J. GARDNER,
W. R. KIZER.