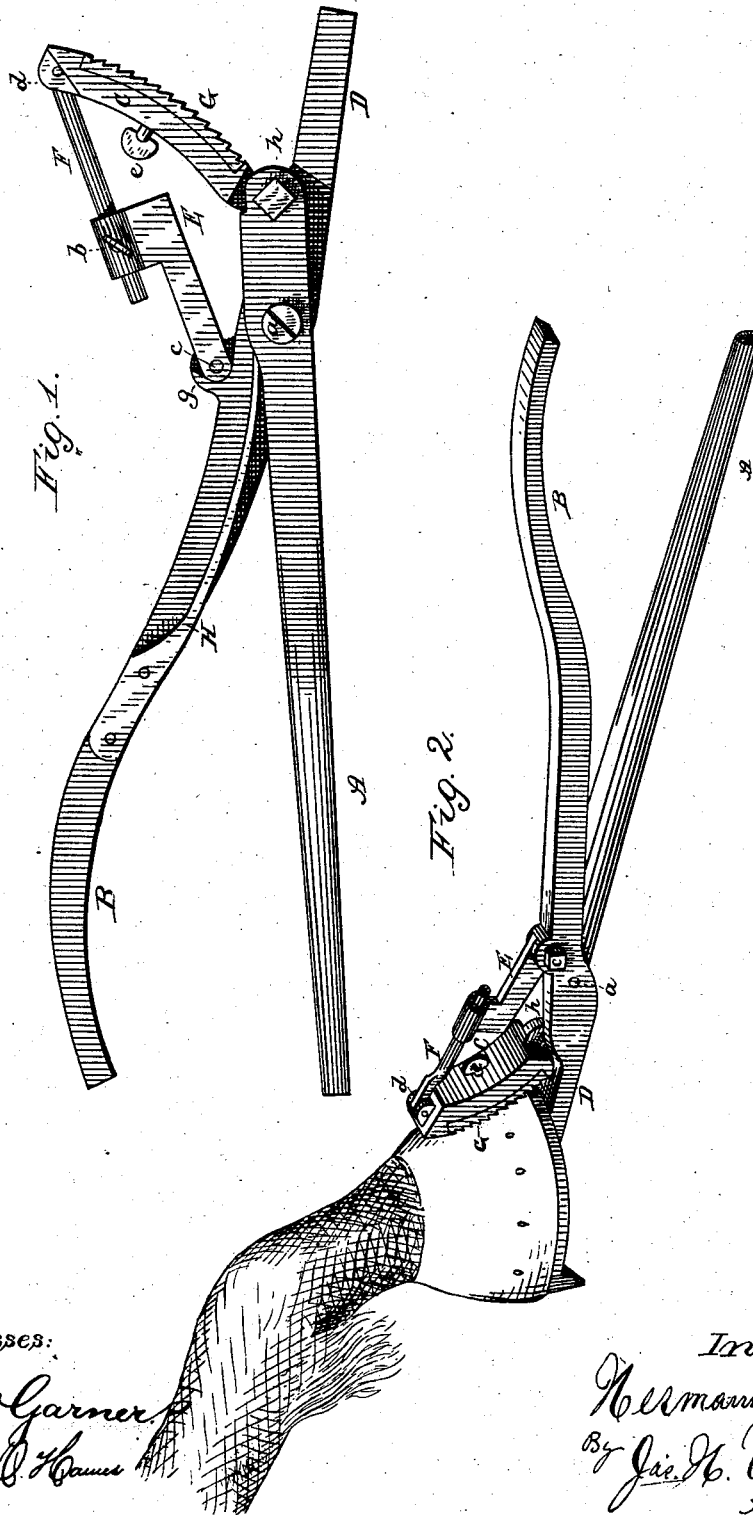


(Model.)

H. BRÜNING.
HORSESHOE NAIL CLINCHER.

No. 260,837.

Patented July 11, 1882.



Witnesses:

J. W. Garner
H. S. D. House

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UNITED STATES PATENT OFFICE.

HERMANN BRÜNING, OF ST. HELENA, NEBRASKA.

HORSESHOE-NAIL CLINCHER.

SPECIFICATION forming part of Letters Patent No. 260,837, dated July 11, 1882.

Application filed April 18, 1882. (Model.)

To all whom it may concern:

Be it known that I, HERMANN BRÜNING, a subject of the Emperor of Germany, residing at St. Helena, in the county of Cedar and State of Nebraska, have invented certain new and useful Improvements in Horseshoe-Nail Clinchers; 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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

My invention consists of a farrier's tool for clinching horseshoe-nails, by means of which the nails can be clinched in less time than by the ordinary method of hammering on the hoof—a process which is disagreeable to the horse and always more or less injurious to the hoof.

Referring to the drawings, Figure 1 is a side view of the tool opened and ready for use. Fig. 2 represents the tool in use upon the hoof.

A and B are the two levers or handles, pivoted together by the bolt or screw *a*, the short end of the lever B forming the lower jaw, on which the head of the nail rests. The surface of this jaw may be roughened or provided with teeth, or may be hollowed in order to get a more secure hold on the head of the nail and to prevent its slipping. The short end of the lever A is bolted or hinged to the curved jaw C. The jaw C is provided with a steel plate, G, the outer surface of which is roughened or cut in teeth which catch upon the point of the nail, as shown in Fig. 2. This plate is held in position by the thumb-screw *e*, and when worn out or injured can be removed for repairs or replaced by another. The upper end of the jaw C is fastened to the rod F by a hinge or the pin *d* or its equivalent. The rod F passes through the sleeve of the arm E and is secured and adjusted by the pin or screw *f*. The object of this is to regulate the inclination of the jaw C to fit a large or small hoof, as may be desired. The arm E is attached to the lever B at the lug *g* by the bolt or hinge *c*. The

lever B is provided with a spring, H, that acts on the lever A and forces the tool open when the pressure upon the levers A and B is relaxed.

The mode of operating, as shown in Fig. 2, is to place the lower jaw, D, under the head of the nail and the tooth-plate C against the point of the nail, where it protrudes through the top of the hoof. By pressure upon the levers A and B, I am enabled to get a downward movement of the jaw C, by which the point of the nail is turned downward and pressed into the hoof.

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

1. In a farrier's tool for clinching horseshoe-nails, the combination of the lever A, secured to the lever B by the bolt or screw *a*, and the jaw C, connected at its lower end to the lever A and at its upper end to the lever B by means of the rod F and arm E, as shown and described.

2. The combination of the lever A, the jaw C, and the rod F, hinged or pivoted at *d* to the jaw C, and the arm E, pivotally secured to the lever B, having the jaw D, and provided with a sleeve for the passage of the rod F, adjustably secured therein by the pin or screw *b* for the purpose of shortening or lengthening the rod F to secure a different inclination of the jaw C, substantially as shown and described, and for the purpose specified.

3. The combination of the lever A, the lever B, the spring H, the lower jaw or short lever, D, the upper or curved jaw, C, with its detachable tooth-plate G secured to the lever A, and the bar F, and the arm and sleeve E, secured to lever B, all operating substantially as shown and described, and for the purpose specified.

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

HERMANN BRÜNING.

Witnesses:

WILLIBALD SCHULTE,
HENRY B. SWING.