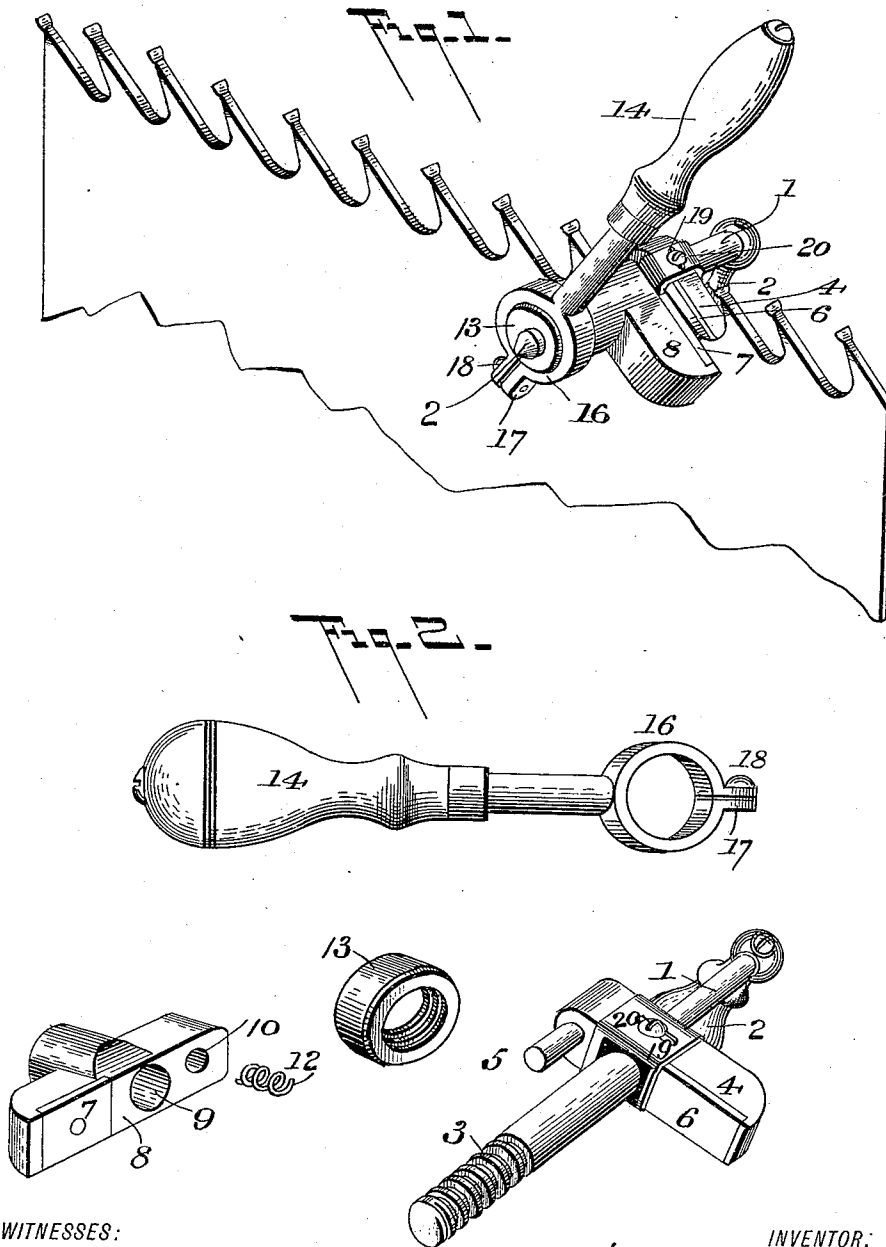


(No Model.)

C. H. WESTON.
DEVICE FOR DRESSING SAW TEETH.

No. 499,625.

Patented June 13, 1893.



WITNESSES:

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CLINTON HARRISON WESTON, OF LA CROSSE, WISCONSIN.

DEVICE FOR DRESSING SAW-TEETH.

SPECIFICATION forming part of Letters Patent No. 499,625, dated June 13, 1893.

Application filed February 13, 1893. Serial No. 462,131. (No model.)

To all whom it may concern:

Be it known that I, CLINTON HARRISON WESTON, a citizen of the United States, and a resident of La Crosse, in the county of La Crosse and State of Wisconsin, have invented certain new and useful Improvements in Devices for Dressing Saw-Teeth; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to improvements in implements or tools for side dressing or side jointing saw-teeth after the same have been operated upon with a saw swage.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings: Figure 1 is a perspective view of a device for dressing saw-teeth, constructed according to my invention, showing the same as it appears when in use. Fig. 2 is a view showing the parts detached, to more fully illustrate the construction.

In the said drawings, the reference numeral 1 designates a rod or bar provided at one end with a handle 2, securely fixed thereto, and its opposite ends formed with screw-threads 3. Intermediate of its ends this bar or rod is provided with a jaw, 4, securely fixed thereto. This jaw is formed with a stud or pin 5, and is provided with a die 6. Also carried by the rod 1 is a movable jaw 8, the rod passing loosely through an aperture 9 therein. This jaw is provided with a die 7 corresponding with the die of the stationary jaw, and has a recess 10, in which is seated a coiled spring 12, and also in this recess fits the stud or pin 6, which said spring embraces.

The numeral 13 designates a nut which engages with the screw-threaded end of the rod 1.

Secured to the nut 13 is a lever 14, somewhat similar in appearance to the handle 2, formed at one end with a split ring 16, having apertured lugs 17 through which passes a set-screw 18.

The numeral 19 designates a gage adjustably secured to the stationary jaw by a screw 20.

In practice, the parts are assembled as shown in Fig. 1. The operator engages the saw tooth to be dressed between the edges of the device, with the cutting point of the tooth against the gage 19. Then by grasping the stationary handle 2, and rotating the nut 13 by means of the lever 14, the movable jaw 8 is moved inwardly, gripping the point of the tooth between the dies 6 and 7, and dressing the same, the amount of spread of the tooth being determined by the gage 19. The lever is then rotated in the opposite or reverse direction, when the coiled spring 12, will force the movable jaw outward releasing the tooth.

Having thus described my invention, what I claim is—

In a device for dressing saw-teeth, the combination with the rod having screw-threads at one end and a fixed handle at the other end, of the stationary jaw having a stud or pin, and adjustable gages, and a die, the movable jaw having a corresponding die and a recess in which said pin or stud fits, a coiled spring seated in said recess, and encircling the pin or stud, the nut engaging with the screw-threaded end of the rod and a lever secured to said nut, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

CLINTON HARRISON WESTON.

Witnesses:

JOSEPH BOSCHERT,
NIELS G. HIMSTAD.