

(Model.)

S. O'CONNELL.

WAGON WRENCH,

No. 266,503.

Patented Oct. 24, 1882.

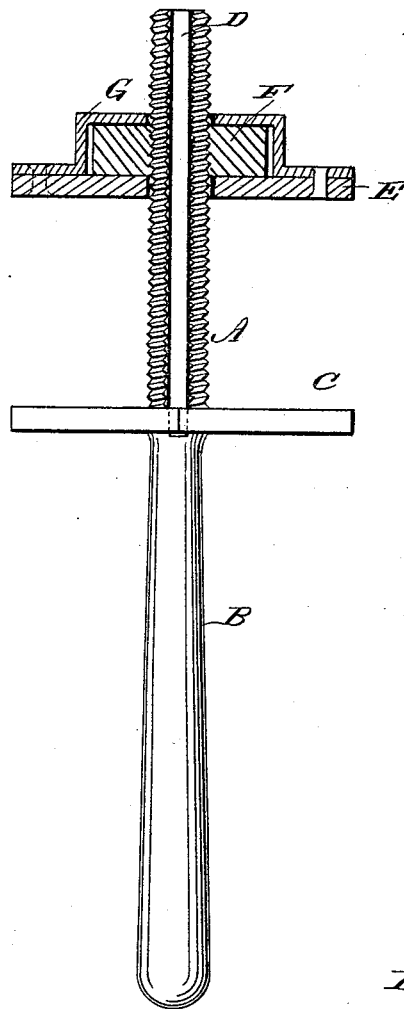


Fig. 1

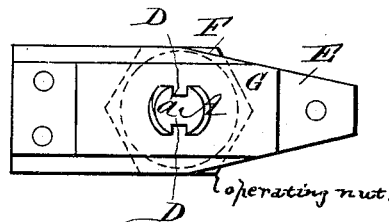


Fig. 2

WITNESSES:

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STEPHEN O'CONNELL, OF BILLINGS, MONTANA TERRITORY.

WAGON-WRENCH.

SPECIFICATION forming part of Letters Patent No. 266,503, dated October 24, 1882.

Application filed August 31, 1882. (Model.)

To all whom it may concern:

Be it known that I, STEPHEN O'CONNELL, of Billings, in the county of Custer and Territory of Montana, have invented a new and Improved Wagon-Wrench, of which the following is a full, clear, and exact description.

The invention consists of a wagon-wrench formed of a rod having its upper part screw-threaded and provided with longitudinal grooves, on which rod one jaw-plate is fixed and the other is loosely mounted to move up and down, it being guided in its movements by lugs passing into longitudinal grooves. A nut is loosely held in the movable jaw-plate by a U-shaped frame or clip, whereby by turning this nut the movable jaw will be moved to and from the upper end of the rod—that is, the jaws will be separated or brought together.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a longitudinal view of my improved wrench, parts being shown in section. Fig. 2 is a plan view of the same.

A rod, A, has a handle part, B, formed on its lower part, at the top of which handle part a transverse plate, C, is secured, through which the rod A passes, and which plate C forms the fixed jaw of the wrench. That part of the rod A above the plate C is screw-threaded, and is provided in opposite sides with longitudinal grooves D. The movable jaw-plate E is provided with an aperture, through which the threaded part of the rod A can pass, which

aperture has lugs a, projecting from its edges into the grooves D. A screw-nut, F, is loosely held on the plate or jaw E by a U-shaped clip or frame, G, riveted to this plate, through which nut the threaded part of the rod A passes. By turning the nut F the jaw-plate E will be moved toward or from the fixed jaw C. The jaw-plates C and E are beveled toward one of the ends, so that the opposite ends of the jaw-plates will be of different width. The broad end can be used for burrs of any size. The wrench is to be used as a coupling-pin by putting it through the double-tree and tongue.

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

1. In a wrench, the combination, with the rod A, having its upper part screw-threaded and provided with longitudinal grooves D, of the fixed jaw-plate C, the movable jaw-plate E, provided with lugs a, the nut F, and the frame or clip G, substantially as herein shown and described, and for the purpose set forth.

2. In a wrench, the combination, with the rod A, having its upper part screw-threaded and provided with longitudinal grooves D, of the fixed tapered jaw-plate C, the movable tapered jaw-plate E, provided with lugs a, the nut F, and the frame or clip G, substantially as herein shown and described, and for the purpose set forth.

STEPHEN O'CONNELL.

Witnesses:

H. H. MUND,
A. L. LOVE.