(No Model.)

G. W. SCHEID.

WRENCH.

No. 486,300. Patented Nov. 15, 1892.

Fig. 1.

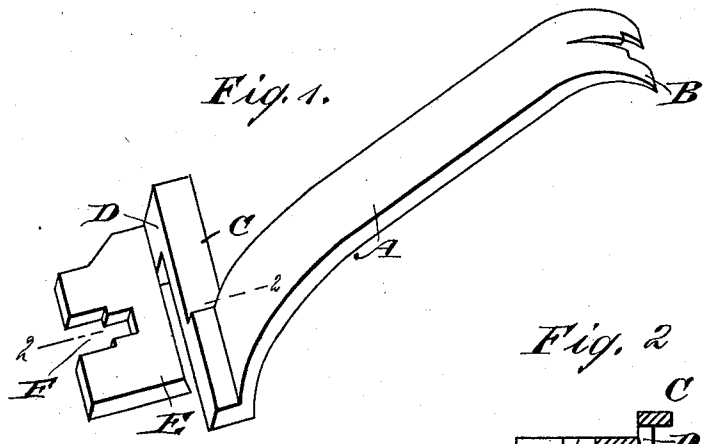


Fig. 2

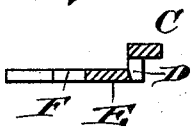


Fig. 3

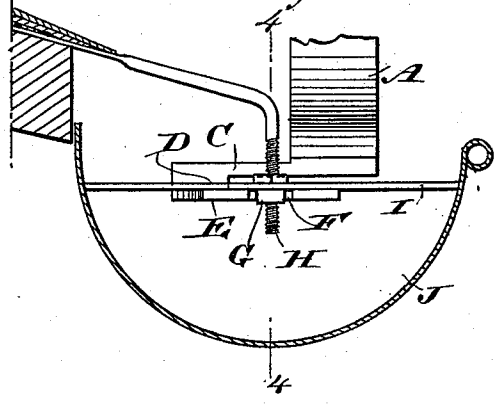
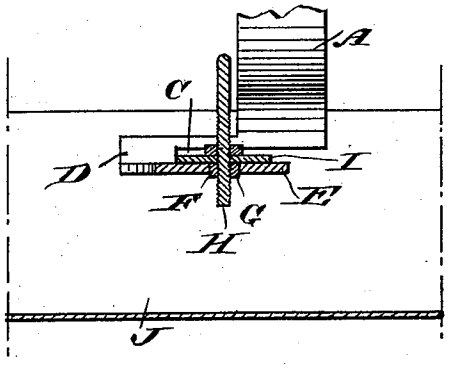


Fig. 4



WITNESSES:

R. M. Twitchell

E. Sedgwick

INVENTOR:

Geo. W. Scheid

BY

Munn & Co

ATTORNEYS

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

GEORGE W. SCHEID, OF FORT RECOVERY, OHIO.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 486,300, dated November 15, 1892.

Application filed June 1, 1892. Serial No. 435,172. (No model.)

To all whom it may concern:

Be it known that I, GEORGE W. SCHEID, of Fort Recovery, in the county of Mercer and State of Ohio, have invented a new and Improved Wrench, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved wrench which is simple and durable in construction and more especially designed for conveniently and rapidly screwing up or down nuts on eaves-trough supports or hangers and similar objects.

The invention consists of a jaw adapted to engage the nut and formed with a transversely-extending slot for engagement with the cross-bar of the trough.

The invention also consists of certain parts and details and combinations of the same, as will be hereinafter described, and then pointed out in the claims.

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

Figure 1 is a perspective view of the improvement. Fig. 2 is a sectional side elevation of part of the same on the line 2 2 of Fig. 1. Fig. 3 is a cross-section of an eaves-trough and its support with the wrench applied, and Fig. 4 is a sectional side elevation of the same on the line 4 4 of Fig. 3.

The improved wrench is provided with a handle A, formed at one end with a claw B for pulling nails and similar objects. On the other end of the handle A is formed a transversely-extending arm C, provided at the under side and at its rear end with a lug D, on which is secured or formed the forwardly-projecting jaw E, arranged in a lower plane than the arm C, so as to form a transversely-extending slot with the same, as will be readily understood by reference to Figs. 1 and 2. The jaw E stands at an angle to the body of the handle A, and is formed with a series of recesses F, adapted to engage different-sized nuts, so that the wrench is applicable to the various-sized nuts used in fastening the eaves-trough to its hanger.

The device is used as follows: The operator takes hold with the right hand of the handle A and passes the jaw E in engagement with the nut G, screwing on the lower end of the hanger H, passing through the cross-bar I of the trough J. The operator then gives a quarter-turn to the handle A, so that the nut G is screwed upon the threaded end of the hanger H, and at the same time the arm C passes over the top surface of the cross-bar I until further movement in the given direction is prevented by the lug D abutting against one edge of the cross-bar I. The operator then slightly tilts the handle A upward, so as to move the jaw E downward out of engagement with the nut G. The operator then slides the wrench sidewise until it is clear of the cross-bar I, and then re-engages the jaw E on the nut G to repeat the above described operation. When the nut G has been finally screwed by one or more repetitions of the above-described operation, the trough J is securely fastened in place on the hanger H. It will be seen that by this device the nut G is given a quarter-turn only, thus leaving the nut always in proper position after engagement with the jaw E for re-engagement of the same in the manner above described. The handle A is formed with the claw B for conveniently drawing nails with which a hanger is fastened to the roof in case the operator moves a trough from a building.

It will be readily understood that in case a nut under the eaves cross-bar is rusted on the bolt and cannot be turned by hand my wrench is very serviceable for conveniently turning and removing the nut.

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

1. A wrench comprising a handle provided at one end with a laterally-projecting arm having at one end a depending lug and a notched jaw projecting from the lug in a lower plane than the arm and parallel with and spaced from the said arm to form a slot therebetween, substantially as set forth.

2. A wrench comprising a handle, an arm extending transversely from one end thereof and provided at its outer end with a lug, a jaw projecting from the said lug depending therefrom and standing at an angle to the said handle and forming a slot with the said arm, the said jaw being formed with different-

sized notches for engagement with the different-sized nuts, substantially as shown and described.

3. A wrench comprising a handle, an arm extending transversely from one end thereof and provided at its outer end with a lug, a jaw projecting from the said depending lug and standing at an angle to the said handle and forming a slot with the said arm, and a claw formed on the other end of the said handle for pulling nails, substantially as shown and described.

GEORGE W. SCHEID.

Witnesses:
JOHN W. CLARK.
HARREL D. DENNEY.