

E. G. CLINCH.
PIPE-WRENCH.

No. 173,845.

Patented Feb. 22, 1876.

Fig. 1.

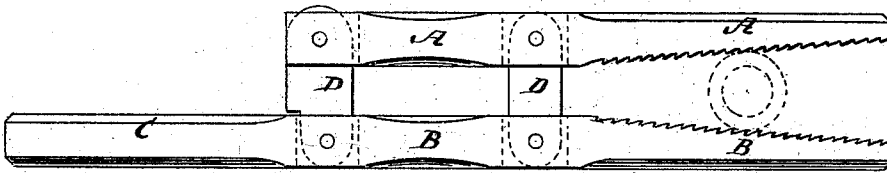
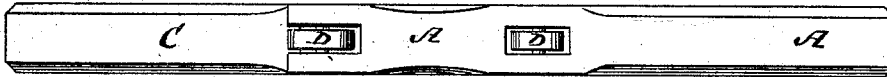


Fig. 2.



WITNESSES:

E. Wolff
J. Goethals

INVENTOR:

E. G. Clinch

BY

M. H. 2
ATTORNEYS.

UNITED STATES PATENT OFFICE.

EDWARD G. CLINCH, OF ST. JOHN, NEW BRUNSWICK, CANADA.

IMPROVEMENT IN PIPE-WRENCHES.

Specification forming part of Letters Patent No. **173,845**, dated February 22, 1876; application filed January 15, 1876.

To all whom it may concern :

Be it known that I, EDWARD G. CLINCH, of St. John, St. John county, Province of New Brunswick, Dominion of Canada, have invented a new and Improved Pipe-Wrench, of which the following is a specification:

Figure 1 is a side view of my improved pipe-wrench, and Fig. 2 is a top view of the same.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved wrench for turning pipes, bolts, &c., which shall be simple in construction, convenient in use, and effective in operation, grasping the pipe with an increased force as more power is applied to the wrench.

The invention consists in an improved pipe-wrench, formed by the combination of the parallel-toothed jaws, the handle, and one or more pivoted connecting-links with each other, as hereinafter fully described.

A and B are the two jaws of the wrench, one of which is made with its rear end projecting to serve as a handle, C, or has a handle, C, attached to it. The inner sides of the forward parts of the jaws A B incline slightly from each other, to adapt them for operating upon different-sized pipes, and have teeth

formed upon them pointing in different directions, as shown in Fig. 1. The rear parts of the jaws A B are connected by two bars or links, D, the ends of which are pivoted to the said two jaws to keep them always parallel with each other. With this construction, as the wrench is turned, the jaws A B will grasp the pipe or other object, and will grasp it with greater force as more power is applied to the wrench. If desired, the forward parts of the jaws A B may be omitted, and the teeth formed between the links. The rear link D may be omitted and the rear end of the jaw A allowed to rest and slide upon the rear part of the jaw B. The handle C may also be made to project at right angles with jaws A B, if desired.

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

An improved pipe-wrench, formed by the combination of the parallel-toothed jaws A B, the handle C, and one or more pivoted connecting-links, D, with each other, substantially as herein shown and described.

EDWARD GOSFORD CLINCH.

Witnesses:

CHARLES M. BOSTWICK,
CHAS. F. CLINCH.