

A. PITCHER.

Improvement in Rotary-Wrench.

No. 131,828.

Patented Oct. 1, 1872.

Fig. 1.

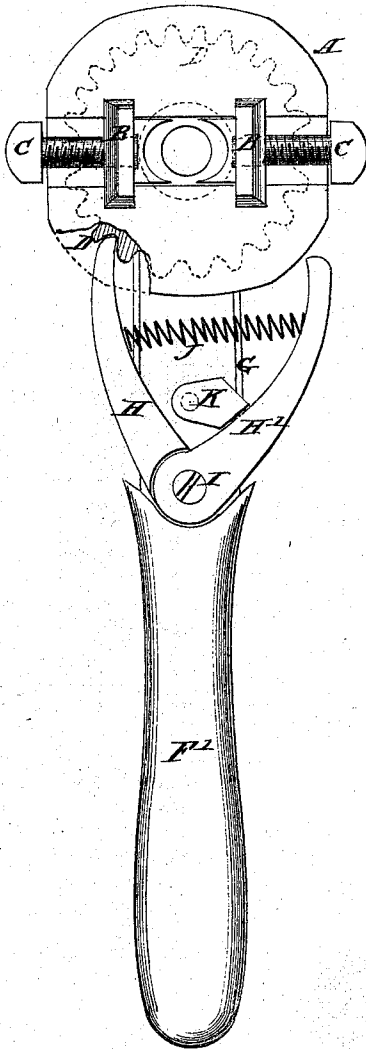
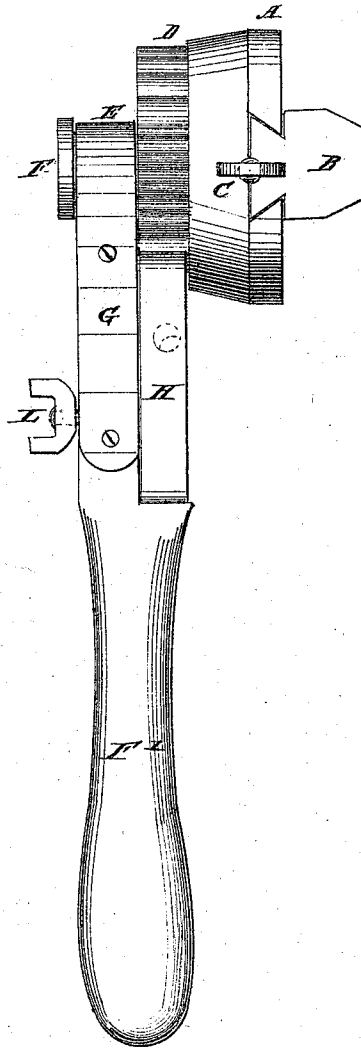


Fig. 2.



Witnesses:

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UNITED STATES PATENT OFFICE.

ALMON PITCHER, OF FREEDOM, MINNESOTA, ASSIGNOR OF ONE-HALF HIS
RIGHT TO LESTER D. PITCHER, OF DIXON, ILLINOIS.

IMPROVEMENT IN ROTARY WRENCHES.

Specification forming part of Letters Patent No. 131,828, dated October 1, 1872.

To all whom it may concern:

Be it known that I, ALMON PITCHER, of Freedom, in the county of Waseca and State of Minnesota, have invented a new and Improved Rotary Wrench, of which the following is a specification:

The invention consists in an improved mode of opening and closing the two pawls which are used in turning the jaws of a rotary wrench, as hereinafter fully described.

In the accompanying drawing, Figure 1 represents a face view of the wrench, showing the adjustable jaws, the pawls, and the wheel in which the pawls work; and Fig. 2 is an edge view of the same.

Similar letters of reference indicate corresponding parts.

A is the head. B B are the jaws. D is a cog-wheel on the back of the head, having a tubular neck, E, with a collar, F. The handle F' is connected with the wheel and head by means of the strap G, which passes around the neck. H H' are two pawls, which are jointed to the handle by the pivot-screw I and halved together, so that one rests upon the other. J is a spiral spring, by which the

pawls are connected; and K, an eccentric dog, which is operated by a thumb-screw, L, on the back of the wrench, by which either of the pawls is made to engage with the cogged wheel D. The head of the wrench is revolved by working the handle back and forth. As seen in Fig. 1, the pawl H is engaged, and by working the handle the wrench will be revolved to the right. By turning the dog round the pawl H will be disengaged, and H' will engage with the wheel, and the wrench will be rotated the other way. The disengaged pawl will be held by the dog, while the spiral spring will hold the other pawl to its work.

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

The two pivoted independent pawls H H', pressed toward each other by spring J, and held separately off from wheel D by eccentric dog K, as and for the purpose described.

ALMON PITCHER.

Witnesses:

M. B. DOBSON,
KELSEY CURTISS.