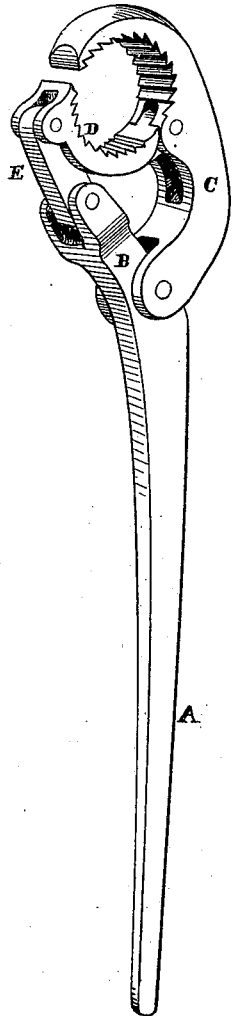


C. C. COLEMAN.  
Pipe-Wrench.

No. 200,175.

Patented Feb. 12, 1878.



Witnesses

*Wm L. Borne*  
*Geo. H. Strong*

Inventor

*Charles C. Coleman*  
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*Attys*

# UNITED STATES PATENT OFFICE.

CHARLES C. COLEMAN, OF HONOLULU, HAWAIIAN ISLANDS.

## IMPROVEMENT IN PIPE-WRENCHES.

Specification forming part of Letters Patent No. **200,175**, dated February 12, 1878; application filed December 29, 1877.

*To all whom it may concern:*

Be it known that I, CHARLES C. COLEMAN, of the city of Honolulu, in the Hawaiian Islands, have invented a Pipe-Wrench; and the following I do hereby declare to be a full, clear, and exact description thereof, reference being had to the accompanying drawings.

My invention relates to a novel construction for pipe tongs or wrench; and it consists in a novel combination of parts by which a more perfect inclosing-gripe is effected and a better result obtained.

In the accompanying drawings, A is the handle of my wrench, having the end B bent slightly back, as shown. At the angle where this bend takes place the curved jaw D is hinged to the jaw C, about midway in its length, and projects in a curve, so that, with the corresponding portion of the jaw C, it forms, when closed, a nearly-inclosing ring for the pipe or bar to which it is fitted.

A link, E, unites the outer end B of the handle with the outer end of the jaw D, so that when the jaws have been made to seize an object the movement of the handle acts through the link to press the jaws more closely together upon the pipe or bar.

The inner faces of the jaw are corrugated to prevent slipping, and a thread may be also cut across these corrugations, so that, when desired, the wrench may be made to seize a nipple and screw it firmly into place without marring or injuring the threads.

The jaws so nearly inclose the pipe that a very perfect gripe may be had without any danger of crushing or breaking it, and the gripe is increased with the power applied.

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

A pipe-wrench composed of the handle A B and the oppositely-moving jaws C and D, united as shown, together with the link E, the whole constructed substantially as herein described.

In witness whereof I have hereunto set my hand and seal.

CHARLES CARSON COLEMAN. [L.S.]

Witnesses:

C. N. SPENCER,  
JOHN I. PORTER.