(No Model.)

J. C. DEGNAN & C. A BENNETT.

PIPE WRENCH.

No. 361,579. Patented Apr. 19, 1887.

Fig. 1.

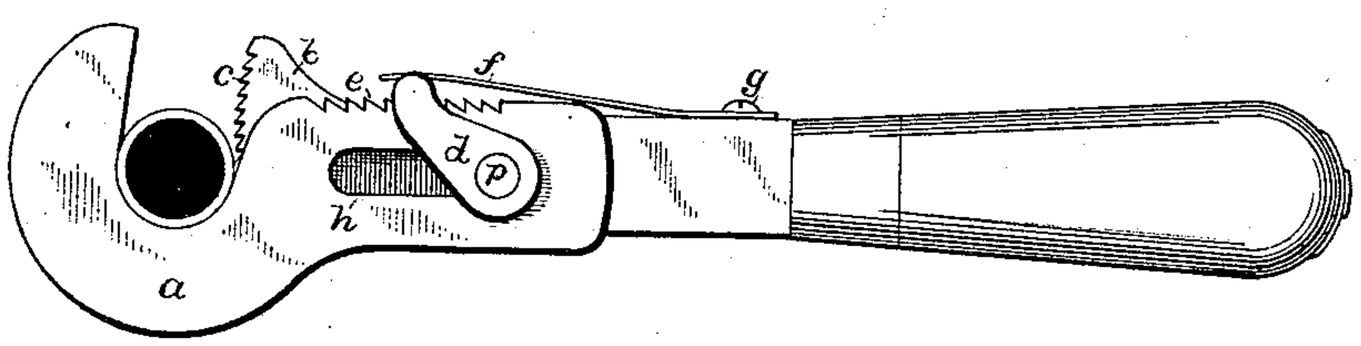


Fig. 2.

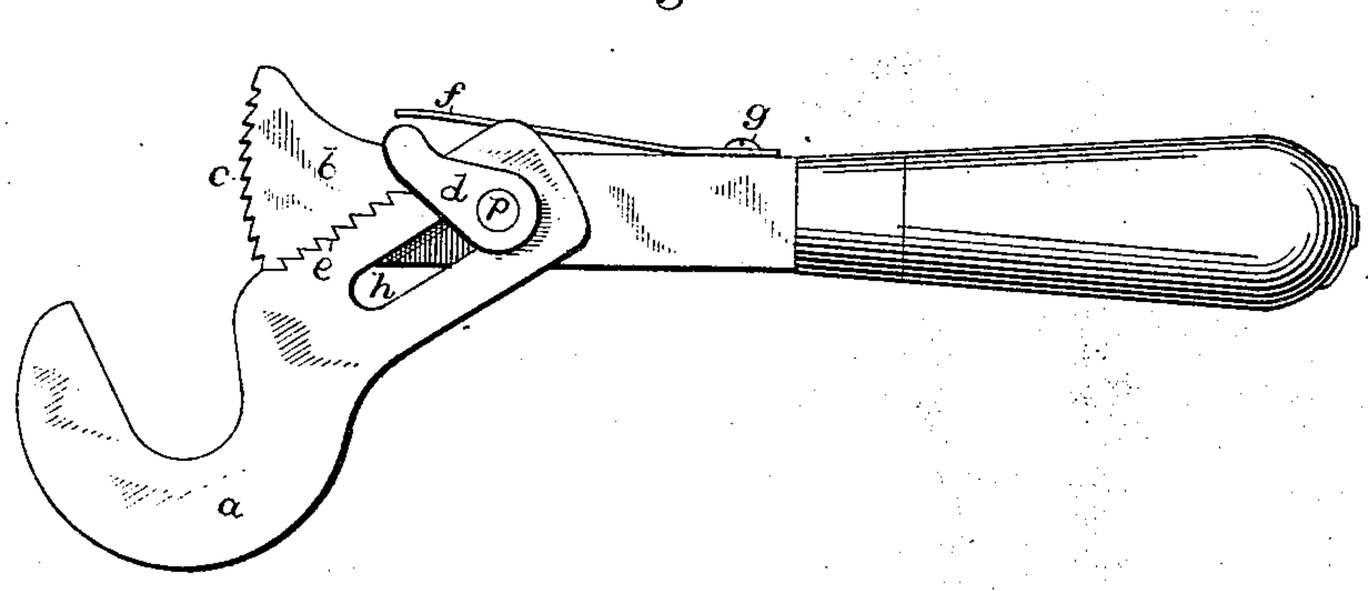
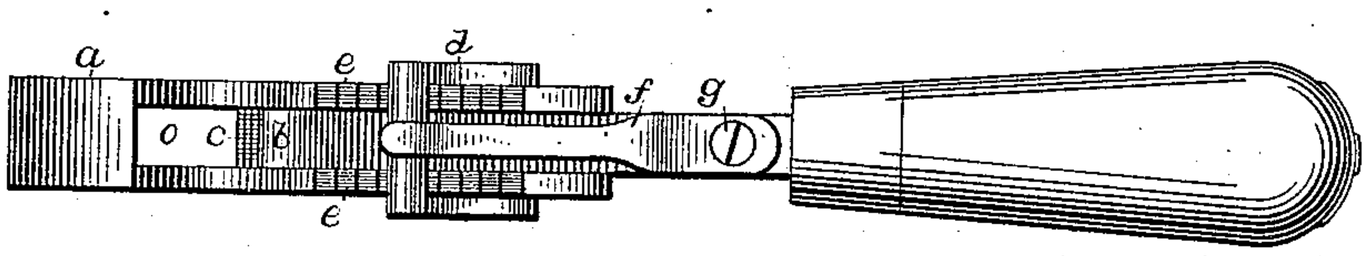


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN C. DEGNAN AND CHARLES A. BENNETT, OF MIDDLETOWN, NEW YORK.

PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 361,579, dated April 19, 1887.

Application filed February 7, 1887. Serial No. 226,735. (No model.)

To all whom it may concern:

Be it known that we, JOHN C. DEGNAN and CHARLES A. BENNETT, citizens of the United States, residing at Middletown, in the county of Orange and State of New York, have invented certain new and useful Improvements in Pipe-Wrenches; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of our invention is to provide an adjustable pipe-wrench which shall be simple in construction, and which can be more quickly and conveniently manipulated than the wrenches now in use.

In the accompanying drawings, Figure 1 is a side elevation of the wrench when grasping a pipe. Fig. 2 is a side elevation of the wrench when the hold is relaxed preparatory to taking a grip on a pipe. Fig. 3 is a top or edgewise view of the wrench, showing the relations of its several parts from that standpoint.

In the drawings, *a* represents a sliding jaw; *b*, a lever with a serrated head, *c*.

d represents a dog, pivoted to the lever *b*, which catches in the teeth *e* on the edges of the heel or back of the sliding jaw and holds the jaws in position when grasping an object.

f represents a spring, which is fastened by a screw, *g*, to the lever *b*, and acts upon the dog *d* by a constant pressure to force it into its proper position in the teeth *e* in the manipulation of the wrench.

h represents a slot in the sliding jaw *a*, which allows the jaw to slide back and forth upon the pivot-pin *p*, which secures the dog in place.

o represents a long vertical opening in the heel or back part of the sliding jaw for introducing and manipulating the lever *b*.

From the foregoing description the operation of the device will be very readily understood without any further or detailed explanation.

Having now described our invention, what we consider new, and wish to claim, is—

1. In a pipe-wrench, the combination, with a lever and sliding jaw, the latter having ratchet-teeth upon one edge of the heel of the same, of a dog, a part of which pivots the jaw and lever together and another part of which engages the ratchet-teeth on the jaw, substantially as described.

2. In a pipe-wrench, the combination, with the jaw provided with a slot, and having ratchet-teeth on one edge of the heel of the same, of a lever and dog, the said lever and jaw being pivoted together through the slot in the jaw, and said dog having a part which forms the pivot for the jaw and lever and another part which engages the ratchet of the jaw, substantially as described.

3. In a pipe-wrench, a sliding jaw provided with a slot, and having ratchet-teeth on one edge of the heel of the same, in combination with a lever, the two being pivoted together through the said slot, and a dog embracing the jaw and lever and having a part forming the pivot of the lever and jaw and another part engaging the ratchet on the jaw, and a spring attached to the lever and engaging the dog, substantially as described.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN C. DEGNAN.
CHARLES A. BENNETT.

Witnesses:
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