

J. GALLAGHER.

Adjuster for Well Drills.

No. 133,977.

Patented Dec. 17, 1872.

Fig. 1.

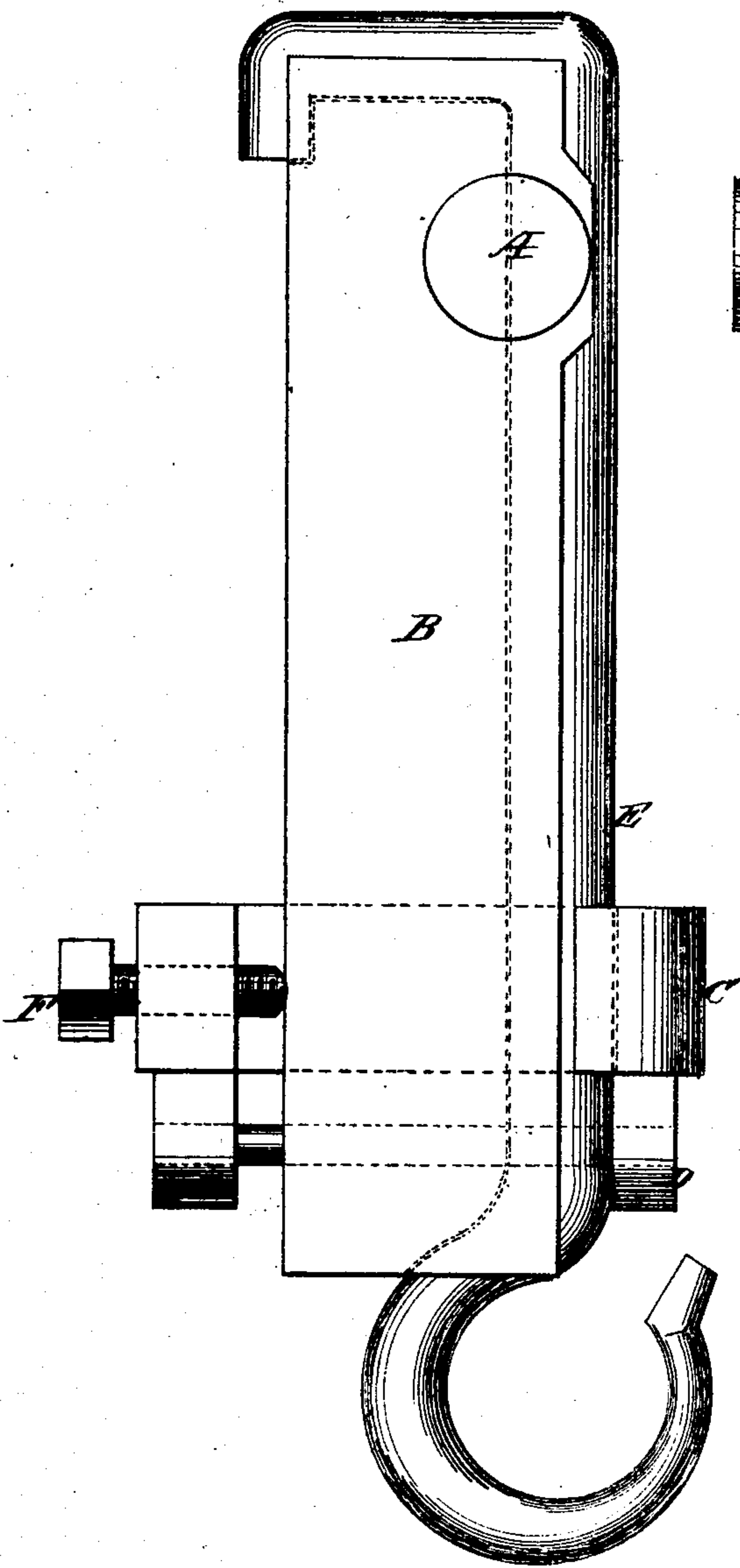
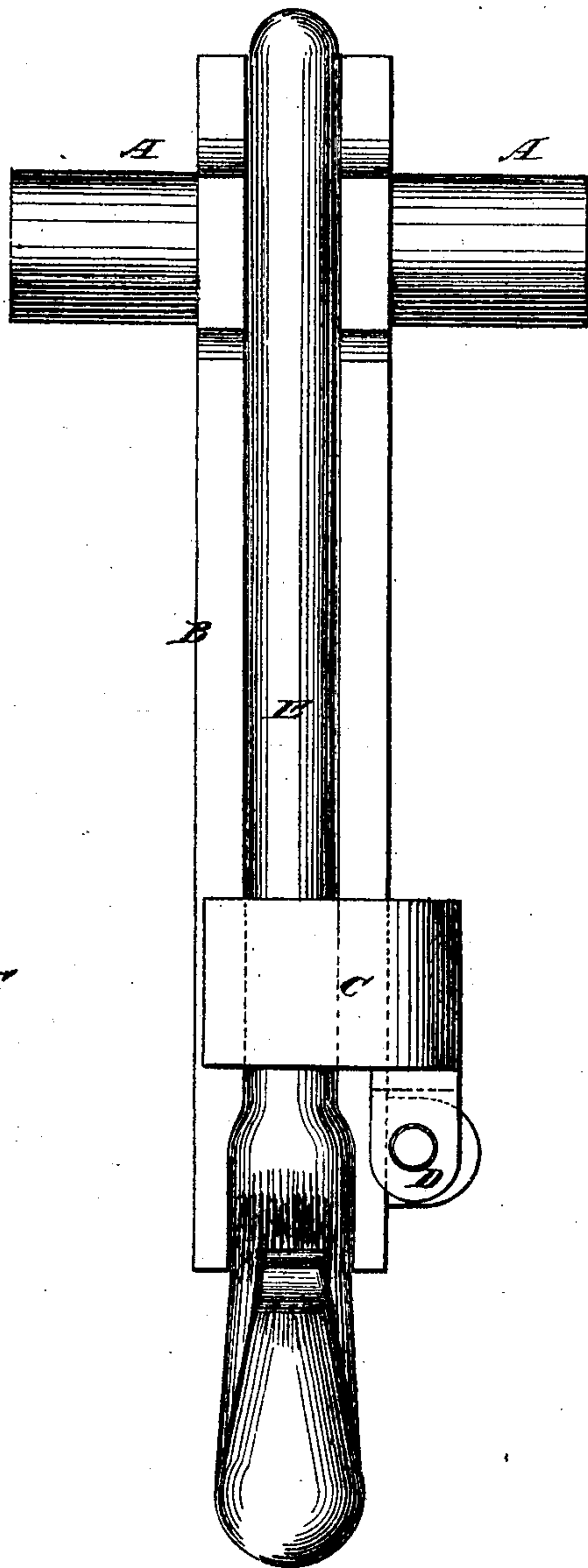


Fig. 2.



Witnesses:

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# UNITED STATES PATENT OFFICE.

JOSEPH GALLAGHER, OF SHAMBURG, PENNSYLVANIA.

## IMPROVEMENT IN ADJUSTERS FOR WELL-DRILLS.

Specification forming part of Letters Patent No. **133,977**, dated December 17, 1872.

*To all whom it may concern:*

Be it known that I, JOSEPH GALLAGHER, of Shamburg, in the county of Venango and State of Pennsylvania, have invented a new and useful Improvement in Adjusters for Oil and other Wells, of which the following is a specification:

The object of this invention is to provide simple and convenient means for connecting pump-rods and drilling-rods to the working-beam of pumping or drilling machinery; and it consists in a grooved wrist-bar and a screw-clamp, the construction and arrangement being as hereinafter described.

In the accompanying drawing, Figure 1 is a side view of the device, and Fig. 2 is a front view.

Similar letters of reference indicate corresponding parts.

A A represent the wrists, which rest in a shallow groove on top of the walking-beam. B is the block or bar to which the wrists are attached. C is the clamp, which is hinged to the bar as seen at D. E represents the rod. The edge of the bar B is grooved so as to receive about one-half of the diameter of the rod. One end of the clamp is fitted to the rod and is drawn up onto and so as to clamp the rod in the groove by the screw F. When the screw is loosened the clamp may be moved endwise and turned on its hinge or be removed from the rod, which allows the latter to be removed from the bar. The rod may be bent up over the end of the bar, as seen in Fig. 1, so as to withstand a down pull.

In attaching the device to the working-beam the part of the bar between the clamp and the wrists is inserted in a slot in the end of the beam. The whole device will then hang vertically with the wrists resting in a shallow groove on the top of the beam. It is then made fast to the beam by a slotted timber bolted fast over the wrists. When thus connected the adjuster is ready for use either for pumping or drilling, the hook being used in the former case, and a straight rod in the latter, which may be drawn into the groove in the bar sufficiently tight to be held by the friction alone. This device may, therefore, be used for either pumping or drilling without removing it from the walking-beam.

In this respect, as well as in other respects, my device has advantages over the adjusters now in use, advantages which will be readily understood and appreciated by all who are conversant with this particular branch of business.

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

An adjuster for connecting pumping and drilling rods to a working-beam composed of the grooved bar B, clamp C, either hinged or not, and wrists A A, arranged substantially as described.

JOSEPH GALLAGHER.

Witnesses:

M. A. EASLEY,  
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