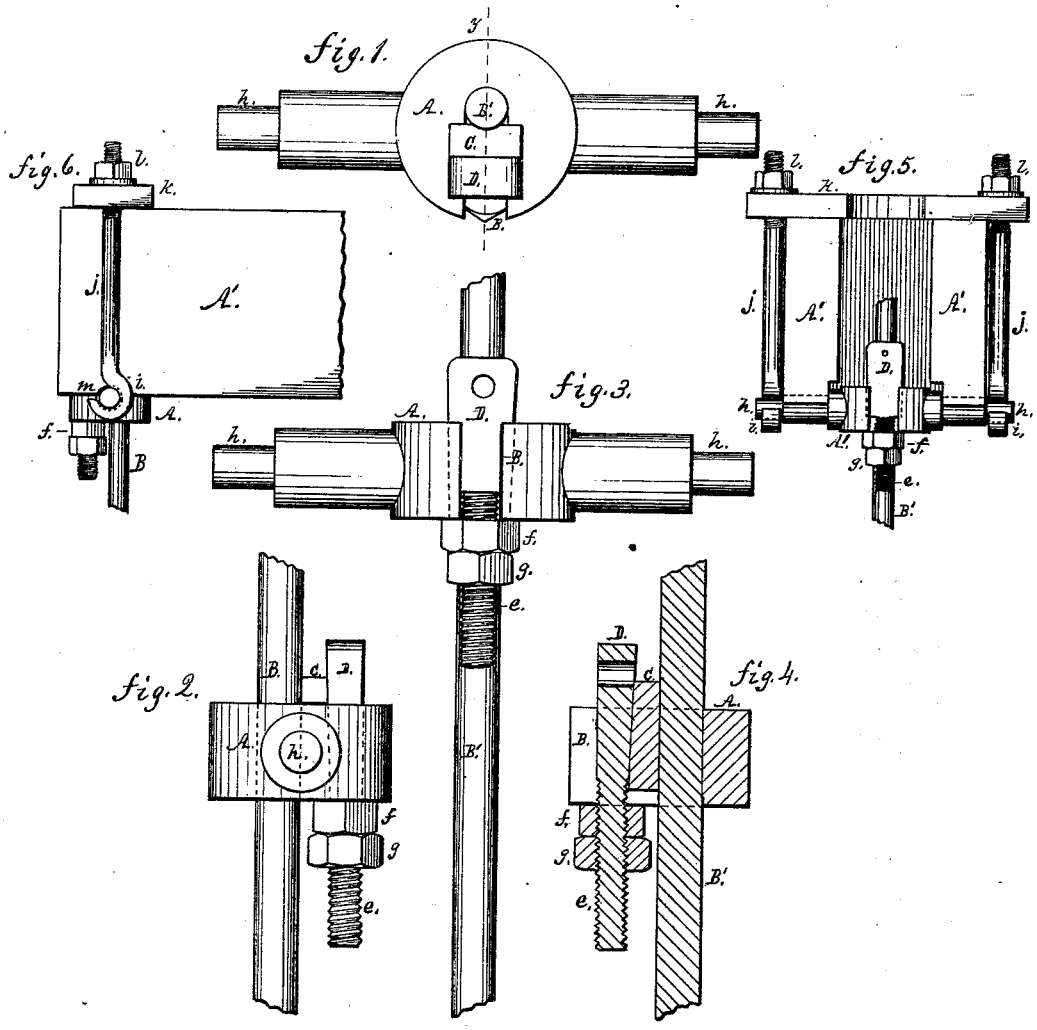
A. WALLACE.

Adjustable Clamp for Pump-Rods.

No. 215,030. Patented May 6, 1879.



Witnesses

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IMPROVEMENT IN ADJUSTABLE CLAMPS FOR PUMP-RODS.

Specification forming part of Letters Patent No. **215,030**, dated May 6, 1879; application filed October 7, 1878.

To all whom it may concern:

Be it known that I, ALEXANDER WALLACE, of Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Adjustable Clamps for Pump-Rods; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists in providing the clamp for pump-rods with a gateway, whereby the pump-rod can be placed in the clamp and be removed from it by a lateral movement of the rod, said rod being held in the clamp by means of a wedge and a "gib-key," the latter furnished with screw-threads and screw-nuts for drawing down the gib-key, thereby causing the wedge to be forced against the pump-rod for holding it firmly in the clamp, which is pivoted and suspended to the walking-beam by means of a hanger.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, Figure 1 is a top view of my improvement in adjustable clamps for pump-rods. Fig. 2 is a side elevation of the same, and Fig. 3 a front elevation of the same. Fig. 4 is a vertical section of the same at line *y* of Fig. 1. Fig. 5 is an end view of the walking-beam with the adjustable clamp secured and pivoted thereto, and Fig. 6 is a side elevation of the same.

In the accompanying drawings, A represents the clamp, which is provided with a gateway, B, the side walls of which are recessed for the reception of the wedge C and gib-key D, the lower end of which is furnished with screw-threads *e* and screw-nuts *f* and *g*, for drawing downward the gib-key D, thereby forcing the wedge C against the pump-rod B, for holding it in the clamp A. The clamp A is provided with trunnions *h h*, which are fitted in bearings *i* of the rods *j j*, which pass through openings in the cross-bar *k*, and are furnished with screw-threads and screw-nuts, as shown at *l* in Figs. 5 and 6, for drawing up the trunnions *h h* into the recesses *m* in the under side of the walking-beam A′.

The operation of my improvement is as follows: The pump-rod is placed in the clamp A by entering it sidewise through the gate B. The wedge C is then placed against the pump-rod, and then the gib-key D is placed in position in its recess, as shown in the drawings. The operator screws up the screw-nut *f*, which will draw down the gib-key, which will force the wedge C against the pump-rod B′, and hold it in a fixed position at any desired point on the rod.

The advantage of a clamp constructed as hereinbefore described consists in the facility and ease of removing the rod from the clamp by a lateral movement of it through the gateway B, and in the efficiency of the means used for holding the rod in a fixed position in the clamp; also, in the means for pivoting and suspending the clamp to the walking-beam.

Having thus described my improvement, what I claim as of my invention is—

1. The adjustable clamp A, having a gateway, B, in combination with a wedge, C, and gib-key D, furnished with a screw-nut, *f*, substantially as herein described, and for the purpose set forth.

2. The adjustable clamp A, having a gateway, B, and trunnions *h h*, in combination with a hanger consisting of the bar *k* and rods *j j*, furnished with bearings *i i* for the trunnions *h h*, and screw-nuts for drawing the said trunnions into recesses *m m* in the under side of the walking-beam A′, substantially as herein described.

ALEXANDER WALLACE.

Witnesses:

FRANCIS TORRANCE,

JAMES J. JOHNSTON.