(No Model.)

W. H. WHEELER.

CONNECTING ROD FOR OIL PUMPS.

No. 375,465. Patented Dec. 27, 1887.

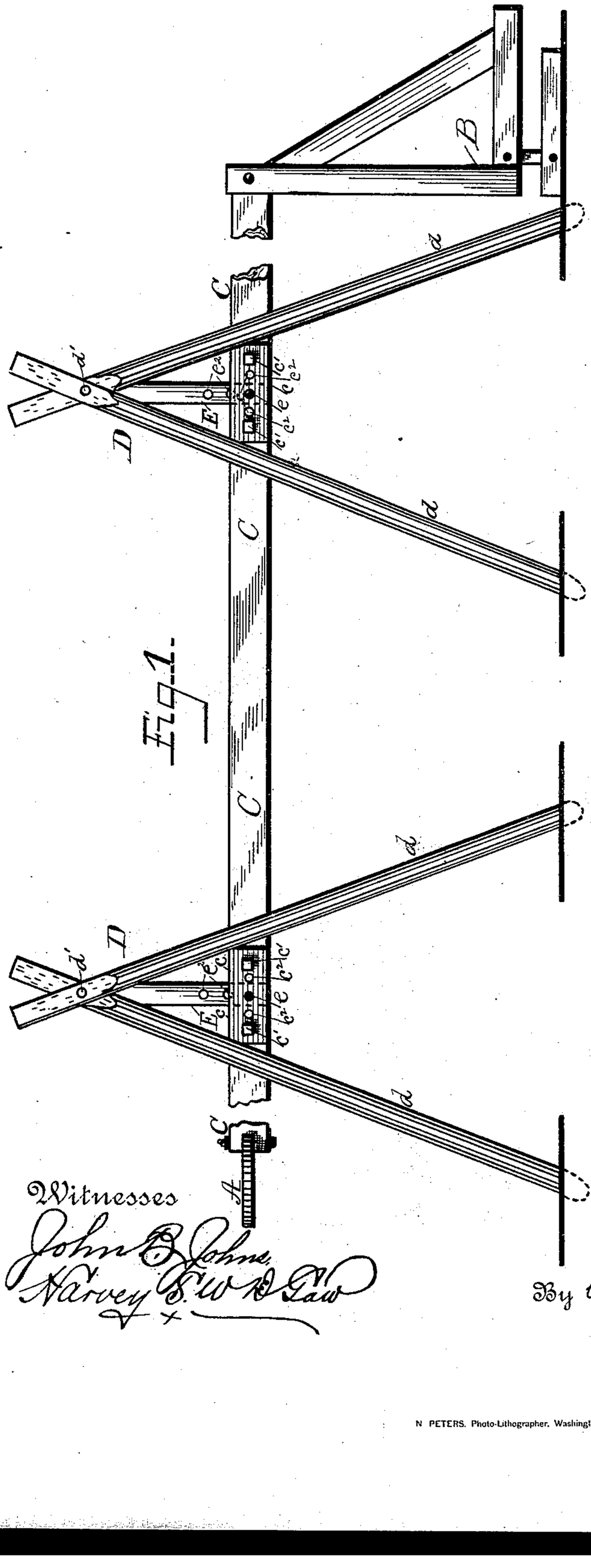

Fig. 1.

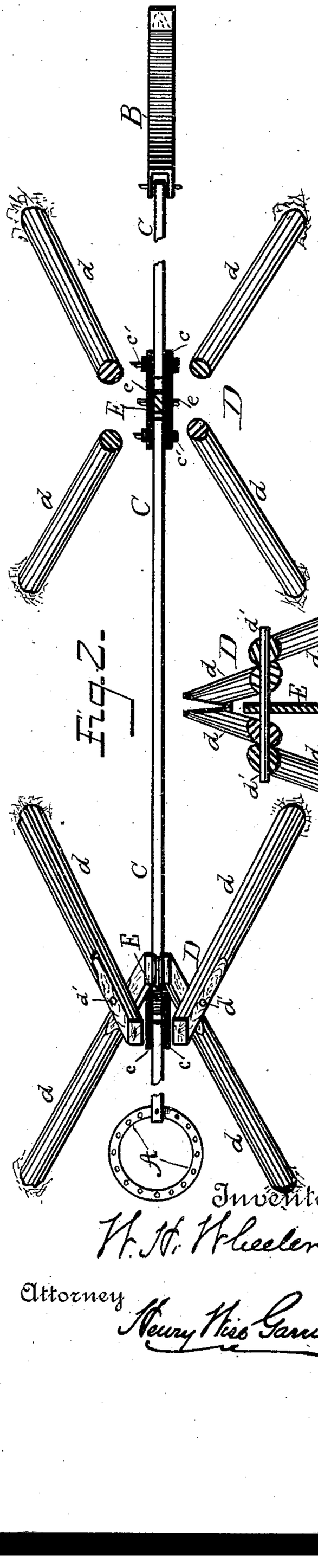

Fig. 2.

Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM HENRY WHEELER, OF GRAND VALLEY, PENNSYLVANIA.

CONNECTING-ROD FOR OIL-PUMPS.

SPECIFICATION forming part of Letters Patent No. 375,465, dated December 27, 1887.

Application filed July 15, 1887. Serial No. 244,429. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY WHEELER, a citizen of the United States, residing at Grand Valley, in the county of Warren and State of Pennsylvania, have invented certain new and useful Improvements in the Connecting-Rods and Supports therefor of Oil-Well Pumps; and I 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.

My invention is an improvement in the rods and their supports which connect the power with the pump of oil-wells; and my said invention consists in the combination, with the power-rod of oil-pumps, made in sections connected to each other by straps, of a vertically-arranged pendulum or hanger pivoted between said straps at the adjacent ends of the sections of the power-rod, and a tripod or four-legged support, to which the hanger is pivoted at its top end, whereby the said power-rod is held in its proper position and free longitudinal movement thereof is permitted.

The object sought to be attained by this invention is, while properly supporting the power-rod and permitting the necessary free longitudinal movement thereof to effect the pumping, to so construct and arrange the parts that in case of the breakage of any one or more of the sections of the power-rods or the legs of the supports the entire row of supports and line of connecting-rod will not fall down, and to accomplish which I proceed as follows, reference being had to the accompanying drawings for a better understanding of the same, and in which drawings—

Figure 1 is a central side elevation, and Fig. 2 a plan, in partial section, illustrating the connecting-rods between the power and pump and the intermediate supports for the same, constructed and arranged according to my invention. Fig. 3 is a central transverse sectional elevation through the pendulum or hanger and pivot-pin at the top end of the supporting-legs.

A designates an ordinary power-disk employed in oil-well pumping to operate several distant pumps from a central station; B, the angle which operates the pump, and C the rod which connects the power to the pumping devices. These rods C are made in sections of any convenient length, which are united to each other by plates or straps *c c* upon each side thereof, secured by through-bolts *c'*, and these rods are supported at each end of each section thereof by a support, D, preferably having four legs, *d*, which are pivoted together at their top ends by a through-bolt, as at *d'*, upon which bolt depends a bar or pendulum, E, which in turn is pivoted between the side plates, *c*, of the rods C by a pin, as at *e*, and thereby forms the supporting medium for said rods.

By reason of the outwardly-branching legs *d* to the support D, displacement thereof is prevented and it is self-supporting, so that should the rod C break said support will remain standing, and because of the depending bar E, whose pivot-bearing is upon the pin *d'*, which unites the top ends of the legs *d* of the support D, a free longitudinal movement of the rods C is permitted.

The straps *c*, as well as the pendulum E, are provided with holes, as at c^2 and c^2, respectively, for adjustment of the parts.

Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent of the United States, is as follows, viz:

The combination, in an oil-well pumping device, with the ordinary power-disk A and pumping-angle B, of the connecting-rods C C, made in sections pivotally united at each end thereof, straps *c c c c*, for uniting the sections of the rods C C, hangers E E, pivotally connected at the top ends to the support and at their bottom between the straps *c c c c*, and supports D D, having legs *d*, pivoted together at their top ends by a bolt, *d'*, as described, for the purposes specified.

WILLIAM HENRY WHEELER.

In presence of—

GEORGE M. WILSON,

J. W. MORRIS.