

W. W. EASTMAN & W. H. H. MORRIS.
Standard Jack-Posts for Drilling and Pumping
Machinery.

No. 142,619.

Patented September 9, 1873.

Fig. 1.

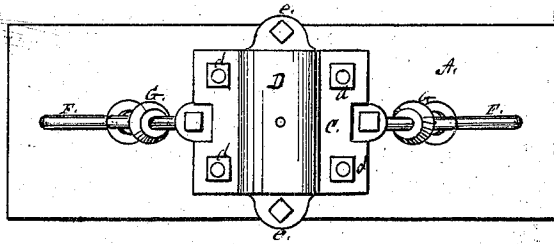


Fig. 2.

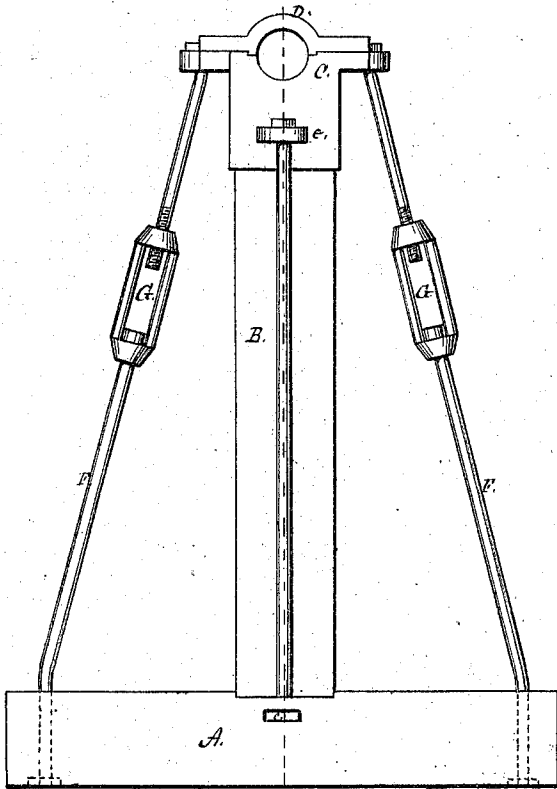
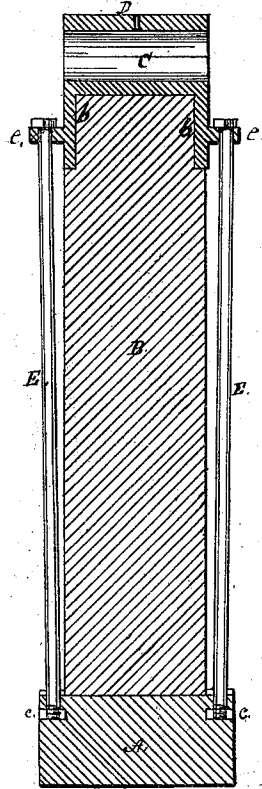


Fig. 3.



Witnesses:

C. C. Poole
H. C. Young

Inventors:

William W. Eastman.
Wm H. H. Morris
By J. B. Woodruff Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM W. EASTMAN AND WILLIAM H. H. MORRIS, OF MEADVILLE, PA.

IMPROVEMENT IN STANDARD JACK-POSTS FOR DRILLING AND PUMPING MACHINERY.

Specification forming part of Letters Patent No. **142,619**, dated September 9, 1873; application filed May 27, 1873.

To all whom it may concern:

Be it known that we, WILLIAM W. EASTMAN and WILLIAM H. H. MORRIS, of Meadville, in the county of Crawford and State of Pennsylvania, have invented certain new and useful Improvements in Standard Jack-Posts for Drilling and Pumping in Oil-Well Machinery, &c.; and the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings making a part of this specification, in which—

Figure 1 represents a plan or top view of the improvement, showing the base or mud sill, tension-braces, socket-cap, and journal-box combined. Fig. 2 shows a side elevation of the post or standard as it is secured to the mud-sill, with the socket-cap, journal-box, side vertical bolt-rods, and tension buckle-joint braces. Fig. 3 shows a sectional cross-view of the same.

Our invention relates to what is technically termed a "jack-post," for bull-wheels for drilling and pumping oil-wells; and it consists in the form and construction of the socket-cap and journal-box combined, and the manner of securing the same to the standard, or post of heavy timber of any required length, so that the band-wheel may be elevated to work at any desired height and the post maintain its stiffness, and remain as rigid as when low down or near the mud-sill.

To enable others to make and use our invention, we will describe it more fully, referring to the drawings and to the letters marked thereon.

The timbers, which consist of the mud-sill A and post or standard B, for jack-posts for supporting the journal-boxes C on which the band-wheel runs for drilling and pumping oil-wells, require to be very large and strong, and braced

and otherwise secured in a firm and substantial manner, and even then they soon become shaky from the great weight and high rate of speed they are required to run. The jack-posts also require to be of different height, according to the different sizes of the band-wheels used and the position they have to be placed in to operate. The journal-box C is made of cast metal, and is covered by a cap, D, which is secured by bolts and nuts *d d*, in the usual manner. It is also provided with a square or oblong cavity, *b b*, on its under side, into which the top of the standard B is firmly fitted. The socket C has ears *e e* cast thereon in line with the journal, through which vertical rod-bolts E E are inserted parallel with the post on both sides, to secure it firmly down on the mud-sill A by nuts *c c* let into mortises made in the sides of the sill. The standard B is firmly braced the other way by bolt-rods F F passing through the mud-sill A at any desired distance from the base of the post, they being provided with screw-buckles G G, and are connected with the cap-socket journal-box C at the top, so that any slack caused by the jarring can be taken up, and a tension on the rods sufficient to brace the post very firmly.

What we claim as our invention is—

An extension jack-post provided with a socket-cap and journal-box combined, and the manner of securing the same to the vertical standard B and holding and bracing the same by the rod-bolts E E and tension-rods F F, substantially as shown and described, for the purposes herein set forth.

WILLIAM W. EASTMAN.
W. H. H. MORRIS.

Witnesses:

SAMUEL GRAY,
C. A. EASTMAN.