No. 789,994. PATENTED MAY 16, 1905.

F. P. MYERS.

CLAMP FOR PUMP RODS.

APPLICATION FILED JUNE 26, 1903.

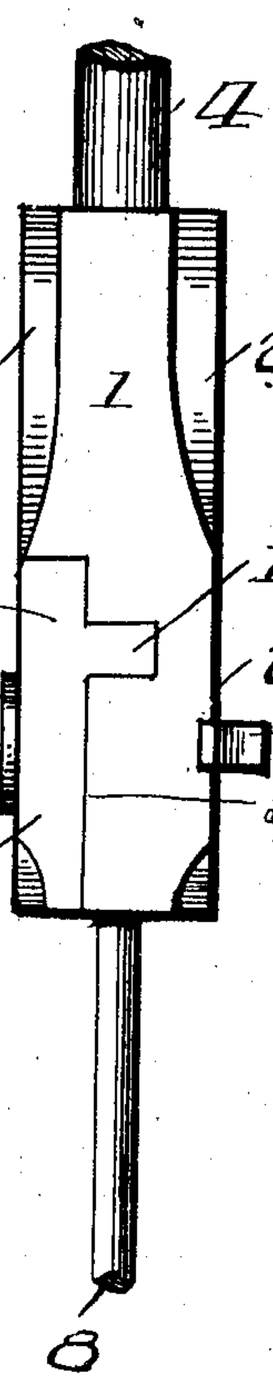


Fig. 1.

Fig. 2.

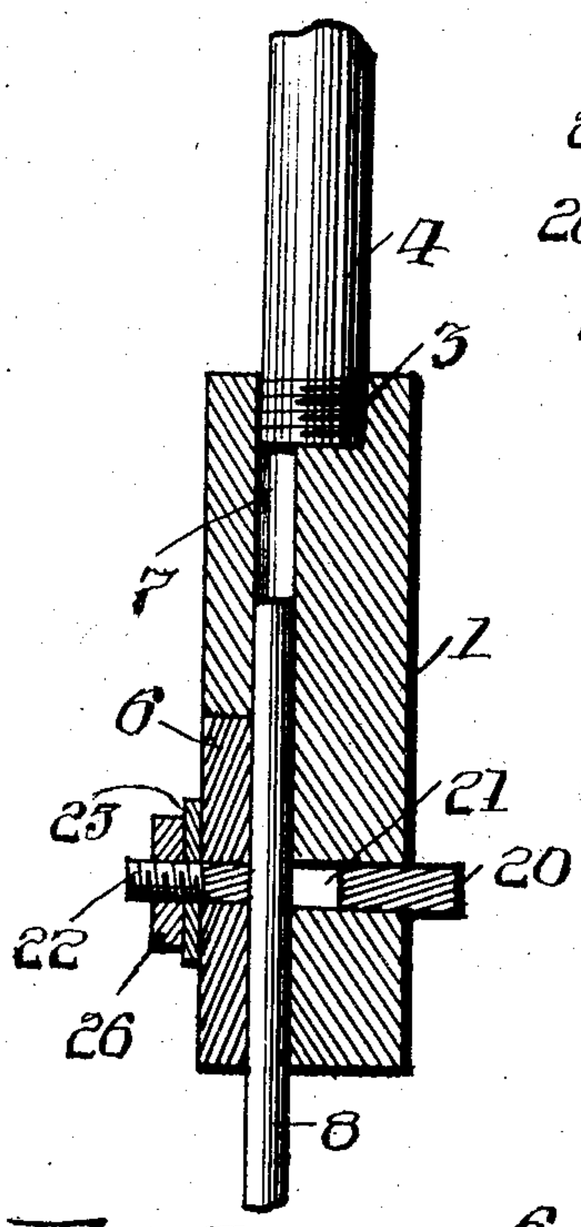


Fig. 4.

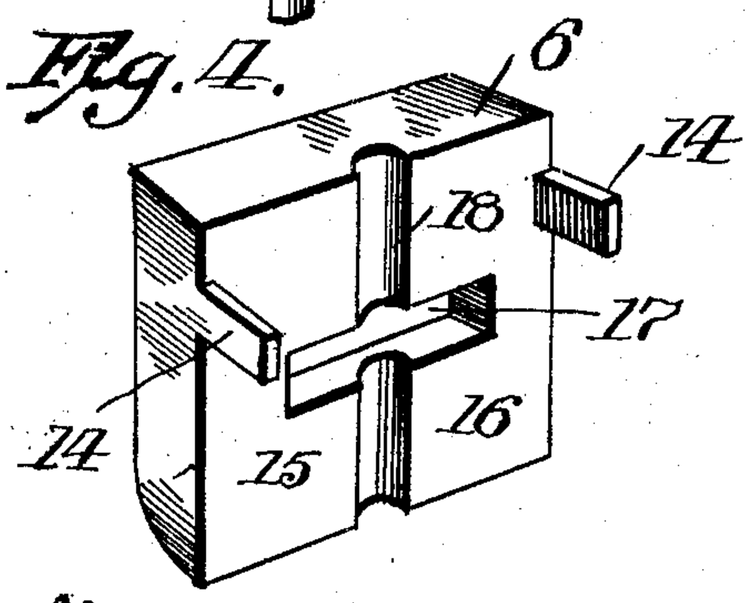
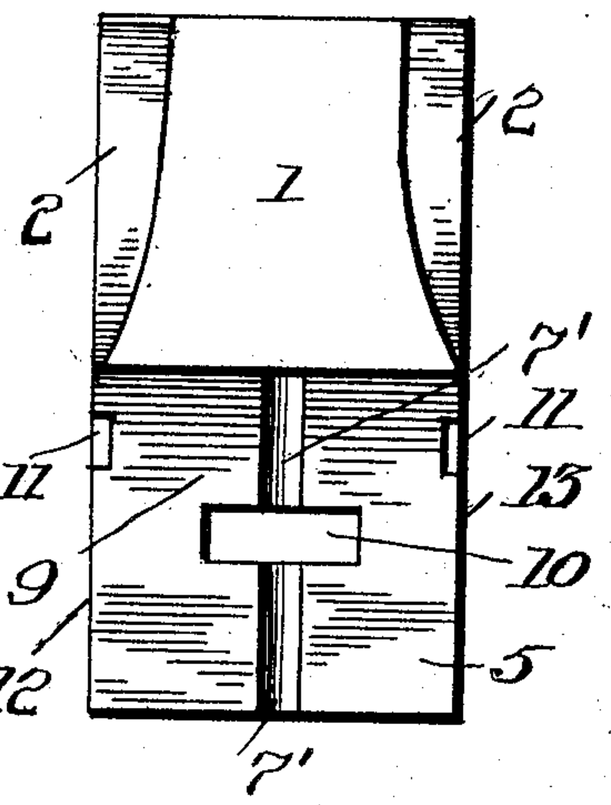


Fig. 3.



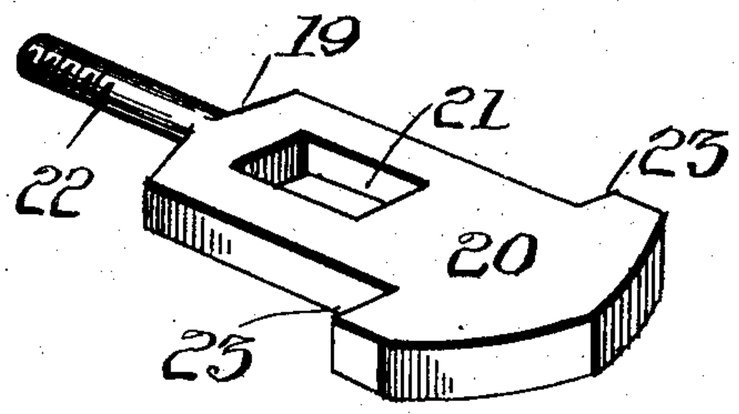


Fig. 5.

Witnesses:
R. H. Sutton.
M. Hunter

Inventor
F. P. Myers
By C. D. Lewis
Atty.

No. 789,994. Patented May 16, 1905.

UNITED STATES PATENT OFFICE.

FRANKLIN P. MYERS, OF TRAILRUN, OHIO.

CLAMP FOR PUMP-RODS.

SPECIFICATION forming part of Letters Patent No. 789,994, dated May 16, 1905.

Application filed June 26, 1903. Serial No. 163,221.

To all whom it may concern:

Be it known that I, FRANKLIN P. MYERS, a citizen of the United States, residing at Trailrun, in the county of Monroe and State of Ohio, have invented a new and useful Improvement in Clamps for Pump-Rods, of which improvement the following is a specification.

This invention relates to certain new and useful improvements in clamps for pump-rods or polished rods, and more particularly to that class used for valve-stems and the like.

The object of my invention is to provide a clamp that will readily clamp the polished rod or pump-rod of pumps and hold the same in an effectual manner.

Another object is to provide a clamp that may be secured upon a polished rod or pump-rod of any desired size.

Briefly described, my invention comprises a clamp made in two sections which when the stem is placed therebetween may be rigidly secured together. Means are carried by said clamp whereby a pump-rod or rod of any ordinary size may be secured in the clamp.

With the above and other objects in view the invention resides in a construction which will be simple, strong and durable, and highly efficient in operation, and in carrying out my invention reference will be had to the accompanying drawings, wherein like figures of refence indicate like parts throughout the several views, in which—

Figure 1 is a side elevation of my improved clamp. Fig. 2 is a vertical section of the clamp. Fig. 3 is a side view of one of the members. Fig. 4 is a perspective of the other member, and Fig. 5 is a perspective of the locking means.

To put my invention into practice, I employ a clamp member 1, which is preferably rectangular in shape and has its corners beveled, as indicated at 2. In the top of the clamp member 1 is formed an annular recess 3, in which the rod 4 is secured. Said rod may be attached to any desired operating means, and in an oil-well the same is secured to the walking-beam. The clamp member 1 is cut away, as indicated at 5. In said cut-away portion is secured the auxiliary member 6. Communicating with the recess 3 and the cut-away portion 5 is an aperture 7, in which the top end of the valve-stem 8 is secured. Through the central portion 9 of the clamp mechanism 1 is formed an oblong aperture 10, and on the face of the central portion 9 and formed in central vertical alinement with the aperture 7 is a slot 7′, adapted to receive one-half of the valve-stem when placed therein. This cut-away portion 5, forming the central portion 9, carries slots 11 on its sides 12 and 13, which receive the guides 14, carried by auxiliary member 15. This member carries in one side, 16, an aperture 17, corresponding to the oblong aperture 10, formed in the central portion 9. On the side 16 is also formed a slot 18, corresponding to the slot 7′ of the portion 9.

The slots 18 and 7′ when the two members 1 and 15 are secured together form an aperture which receives the polished rod 8 and prevents any side movement thereof. These slots are in vertical alinement with an aperture 7, whereby they may steady and brace the rod 8 in the clamp members. To further hold and lock the rod 8 in the clamp members, I employ a bolt 19, the one end of which is enlarged, as indicated at 20, and carries a central opening 21, through which the rod 8 passes. This bolt, as shown in Fig. 5, has its one end threaded, as indicated at 22, while the other end is enlarged, as heretofore stated. This enlarged portion carries the projecting lugs 23, which engage the back side 24 of the central portion 9, and when the bolt is in position a washer 25 and nut 26 are adapted to be secured on the threaded end. By drawing out upon the bolt by tightening the nut 26 the polished rod may be more firmly secured in the clamp 1 and held securely against the sides thereof.

It will be noted that various changes may be made in the details of construction without departing from the general spirit and scope of the invention.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A clamp comprising two members and a securing-bolt and nut, one of said members having an aperture extending longitudinally of the member, and a screw-threaded recess

at the end of said aperture to receive a rod, said member being cut away at one side and having a groove disposed at the inner surface of the cut-away portion in alinement with said aperture, and said member having a transverse aperture extending from the outside of the member to the cut-away portion, and at right angles to the said groove, the other of said members being provided with a groove coinciding in position with the groove in the first-named member and having a transverse aperture registering with the transverse aperture in the first-named member.

2. In a clamp, the combination of two members, one of said members being grooved lengthwise and cut away adjacent the groove to receive the other member and having slots on its sides and a transverse aperture extending from its outer side to the cut-away portion, the other member being adapted to fit in the cut-away portion of the first-named member, and having a groove and a transverse aperture coinciding with the groove and transverse aperture of the first-named member and having guides entering the slots in the sides of the same with a bolt having an enlarged head and an oblong slot, and a nut carried by said bolt, the bolt passing through the coinciding apertures in both members.

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

FRANKLIN P. MYERS.

In presence of—

HENRY DEIST,

M. P. HECKER.