

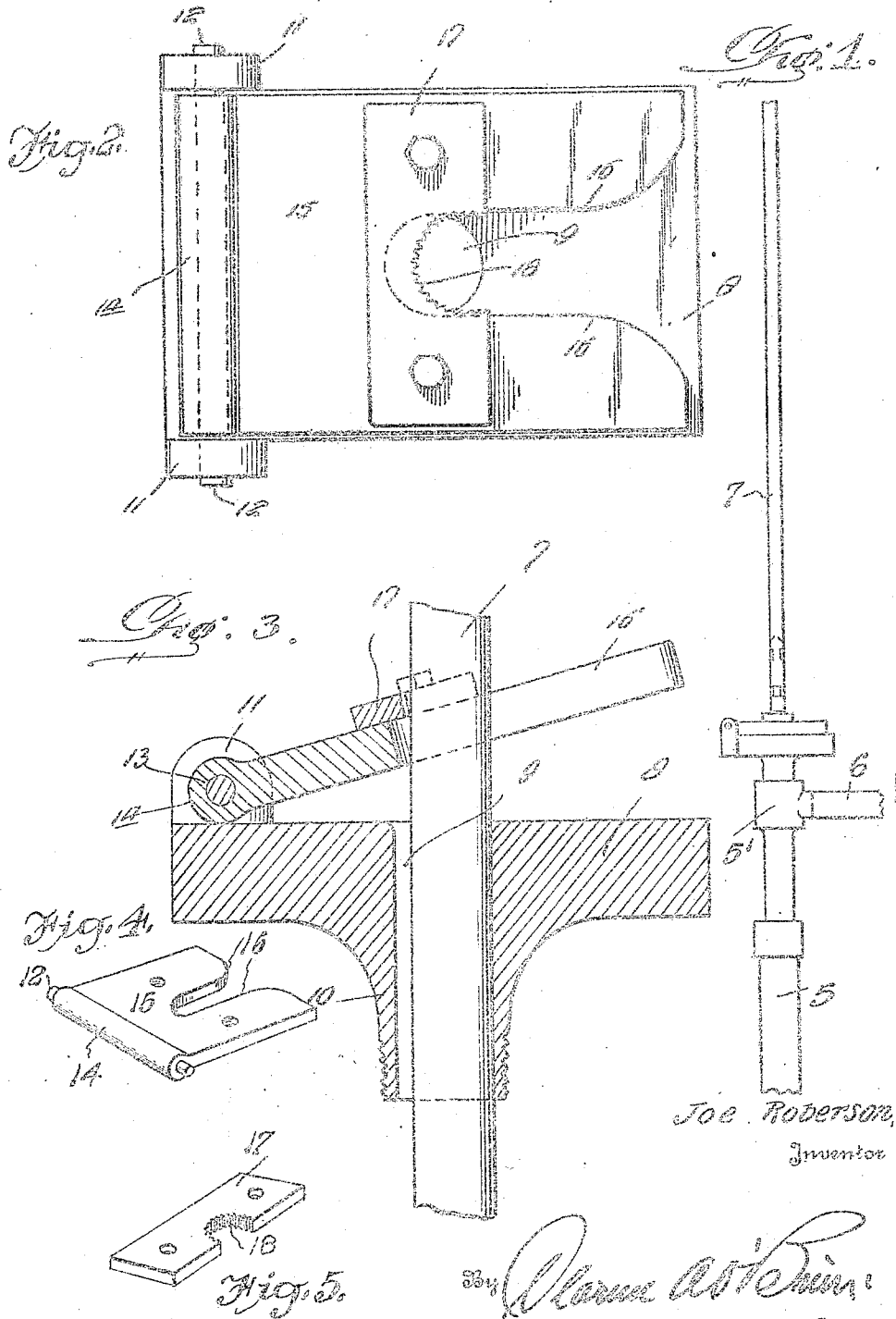
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J. ROBERSON

SUCKER ROD CLAMP

Filed Oct. 26, 1923



UNITED STATES PATENT OFFICE.

JOSEPH ROBERSON, OF RANGER, TEXAS.

SUCKER-ROD CLAMP.

Application filed October 26, 1923. Serial No. 671,053.

To all whom it may concern:

Be it known that I, JOSEPH ROBERSON, a citizen of the United States, residing at Ranger, in the county of Eastland and State of Texas, have invented certain new and useful Improvements in Sucker-Rod Clamps, of which the following is a specification.

This invention relates to clamps and has more particular reference to a clamp whereby sucker rods of oil or water wells of the sectional type may be maintained in adjusted positions for holding the same against slipping or turning movements whereby the sucker rod may be set up or knocked down when being run in or pulled out of the well.

The primary object of this invention is to provide a device of the above character that may be employed in conjunction with different types of well pumping or drilling mechanism and wherein the same may be installed in a quick and easy manner, and this without requiring any great skill on the part of the operator.

With the above and other objects in view as the nature of the invention will be better understood, the same comprises the novel form, combination and arrangement of parts hereinafter more fully described, shown in the accompanying drawings, and claimed.

In the drawings wherein there is shown the most practical embodiment of the present invention with which I am at this time familiar and wherein like reference characters indicate corresponding parts throughout the several views,

Figure 1 is a side elevational view of a sucker rod clamp constructed in accordance with the present invention, the same being shown as actually in use,

Figure 2 is an enlarged top plan view of the sucker rod clamp per se,

Figure 3 is a longitudinal sectional view thereof, the locking plate of the device being shown in a slightly raised position,

Figure 4 is a perspective view of this locking plate, and

Figure 5 is a similar view of the sucker rod engaging element per se, which element is securely fastened to said clamp plate.

Now having particular reference to the drawings, 5 designates the well casing to which is attached at the upper end thereof the line pipe 6 and through which is movable the usual sectional sucker rod 7.

My invention per se embodies the provision of a substantially rectangular shaped metal plate 8 that is formed centrally with a circular opening 9 and that is formed upon its underside and surrounding said opening with a hollow externally screw-threaded boss 10 adapted for threaded engagement within the usual cuppering member 5' between the upper end of said well casing 5 and the line pipe 6 and through which is freely movable the before mentioned sucker rod 7.

Formed at one end of said plate 8 and at opposite sides thereof are upstanding ears 11 that are formed with aligned openings within which extend the opposite ends of a pivot rod 12 which pivot rod also extends through the longitudinal bore 13 formed in a transverse enlargement 14 upon one end of a clamp member 15, it being of course understood that this transverse enlargement is adapted for positioning between said upstanding ears 11 of the substantially rectangular-shaped plate 8.

The clamp member 15 is formed at its front end with a relatively elongated horizontal notch 16 that extends inwardly beyond the central point of the member and through which extends the before mentioned sucker rod 7, it being obvious that by the provision of this notch a free swinging movement of the member will be permitted.

Extending across the inner end of the notch 16 and secured at its opposite ends to the upper surface of the member 15 is a sucker rod engaging plate 17 that is formed at its front edge and at a point within the notch 16 of the member 15 with a semi-circular toothed notch 18 the rear portion of which overlies the inner end of the notch 16 in the clamp member 15 whereby the same will effectively contact with the sucker rod 7 when the same is swung downwardly to the position of Figure 1 for consequently firmly holding said sucker rod from a turning or sliding movement which will consequently allow the sections of the sucker rod to be disconnected or connected as the same is being pulled from or run into oil or water wells.

It will thus be seen that I have provided a highly novel and simplified form of clamp for sucker rods of oil or water wells and one that will not only answer all of the before set forth purposes, but one that will,

I believe meet with all of the requirements for a successful commercial use.

Minor changes may be made within the invention without departing from the spirit and scope of the appended claims.

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

1. In a clamp for wall sucker rods, a plate adapted for detachable connection with the well casing and provided with an opening for the sucker rod, and a clamp member provided with a slot for said sucker rod, the clamp member pivotally mounted upon the detachable plate, and means carried by the clamp member covering the slot, the means so carried adapted to grip the sucker rod

upon the downward movement of the said member.

2. In a clamp for well sucker rods, a plate having a tapered portion at the bottom provided with screw threads, said plate being formed with ears projecting above the top thereof, a slotted clamp member pivotally mounted in the ears, a serrated plate mounted upon said clamp member and extending over the said slot, the clamp member and serrated plates being arranged so that in a downward movement of said member, the serrated plate will engage the sucker rod and force the same against the wall of the first mentioned plate.

In testimony whereof I affix my signature.
JOSEPH ROBERSON.