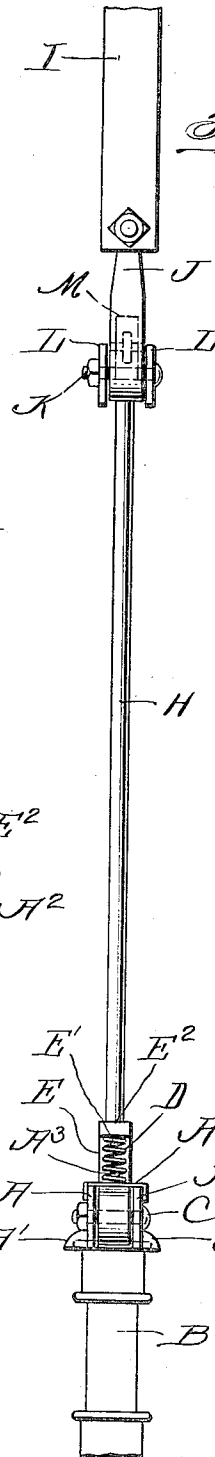
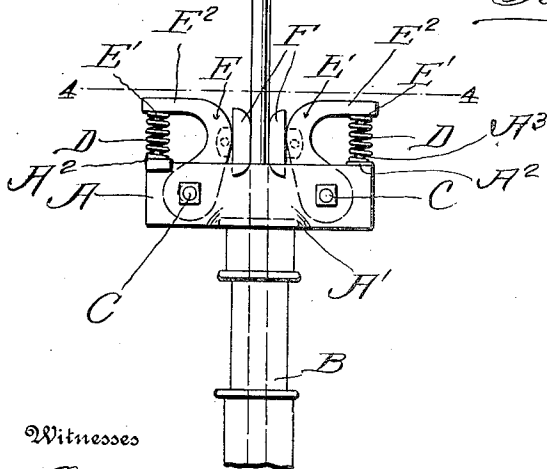
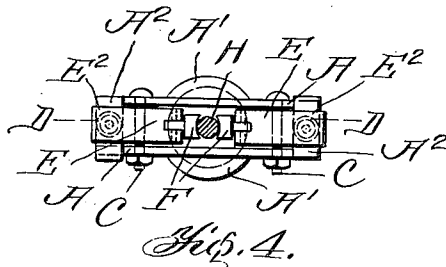
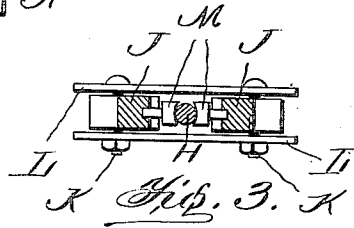
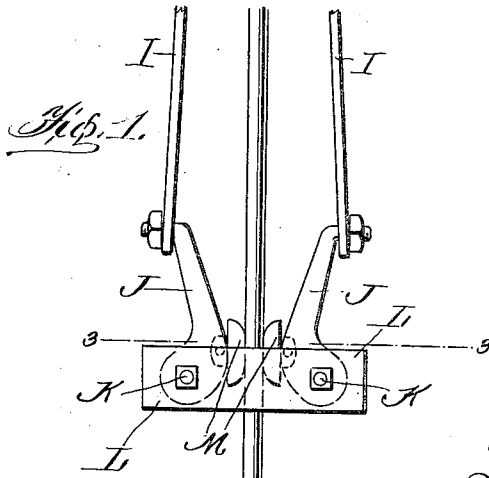


J. C. MARTIN.
PUMP ROD PULLING DEVICE.
APPLICATION FILED SEPT. 4, 1908.

935,764.

Patented Oct. 5, 1909.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN C. MARTIN, OF FINDLAY, OHIO.

PUMP-ROD-PULLING DEVICE.

935,764.

Specification of Letters Patent.

Patented Oct. 5, 1909.

Application filed September 4, 1908. Serial No. 451,745.

To all whom it may concern:

Be it known that I, JOHN C. MARTIN, a citizen of the United States, residing at Findlay, in the county of Hancock and State of Ohio, have invented a new and useful Improvement in Pump-Rod-Pulling Devices, of which the following is a specification.

This invention relates to pump rod pulling devices, the object being to provide a device which can be easily and quickly attached to the ordinary pumping jack now in use for removing the sucker rods from oil wells.

Another object of my invention is to provide a pair of eccentric levers provided with gripping jaws adapted to be carried by jack straps or hangers, said jaws engaging the sucker rod and lifting the same up.

A further object of the invention is to provide a pair of holding jaws carried by eccentric levers adapted to automatically grip and clamp the sucker rod so as to prevent the same from dropping down between the time that the gripping jaws carried by the eccentric levers of the jack are being slid down on the pipe to take another purchase.

A still further object of the invention is to provide a pulling device which is exceedingly simple and cheap in construction and one which can be quickly and easily attached to a well casing and the pumping jack so that the sucker rod can be removed when desired by the ordinary pumping jack thereby saving a great deal of time and expense.

A still further object of the invention is to provide a device which is so constructed that the holding jaws will spread apart and allow the rod to be drawn upwardly and at the same time when the weight of the rod is thrown on the jaws it will securely hold the same and prevent it from dropping down so that the gripping jaws carried by the pump jack can be slid down on the sucker rod to get another purchase.

With these various objects in view, my invention consists in the novel features of construction and arrangement of parts hereinafter fully described, pointed out in the claim and shown in the accompanying drawings, in which—

Figure 1 is a side elevation of my improved pump rod pulling device. Fig. 2 is an end view of the same. Fig. 3 is a section taken on the line 3—3 of Fig. 1. Fig. 4 is a section taken on the line 4—4 of Fig. 1.

In carrying out my improved invention, I employ a pair of plates A provided with semi-circular portions A' adapted to be secured together over the upper edge of a well casing B by bolts C so as to securely lock the plates to the casing. One of the plates at each end is provided with a tongue A² which extend over the other plate and are provided with upwardly projecting pins A³ over which are arranged coil springs D adapted to engage pins E' extending downwardly from the curved ends E² of eccentric levers E which are pivotally mounted on the bolts C and are provided with pivoted jaws F having concaved faces adapted to engage the sucker rod H and securely hold the same so as to prevent it from slipping back into the well. It will be seen that the eccentric levers will spread apart as the sucker rod is being pulled upwardly but will be thrown together so as to securely lock the sucker rod when the weight of the rod is thrown on the same as will be hereinafter fully described.

Mounted in the apertured ends of a pair of straps I carried by the ordinary pumping jack not shown is a pair of eccentric levers J which are pivotally mounted on bolts K secured in a pair of plates L, the eccentric levers J being provided with gripping jaws M which are pivotally mounted on the eccentric levers and are provided with concaved faces adapted to engage the opposite sides of the sucker rod H and it will be seen that when the pumping jack is lowered, the jaws will open so as to allow the same to be slid down on the sucker rod, and as the jack is raised, the jaws will grip the rod so as to raise the rod and as the jack reaches its upper stroke and starts on its lower stroke, the jaws F and the eccentric levers E will grip the rod and prevent the same from slipping back into the well so as to hold the same while the jaws M are being forced down on the rod to take another grip.

It will be seen that by this arrangement the sucker rod can be easily and quickly removed from the well by the ordinary pumping jack now in use with a very little trouble.

What I claim is:—

In a device of the kind described the combination with a pair of plates provided with semi-circular portions adapted to be secured together over a well casing by bolts one of said plates being provided at each end with

a tongue which extends over the other plate
having upwardly projecting pins levers
mounted on the bolt connecting said plates
provided with pivoted jaws having concave
5 faces, said levers being provided with curved
end portions having downwardly projecting
pins and coil springs arranged on the pins of

the lugs of the plates and over the pins of
the levers for normally holding said jaws
together.

JOHN C. MARTIN.

Witnesses:

JOS. PAGE,

M. D. SOURS.