

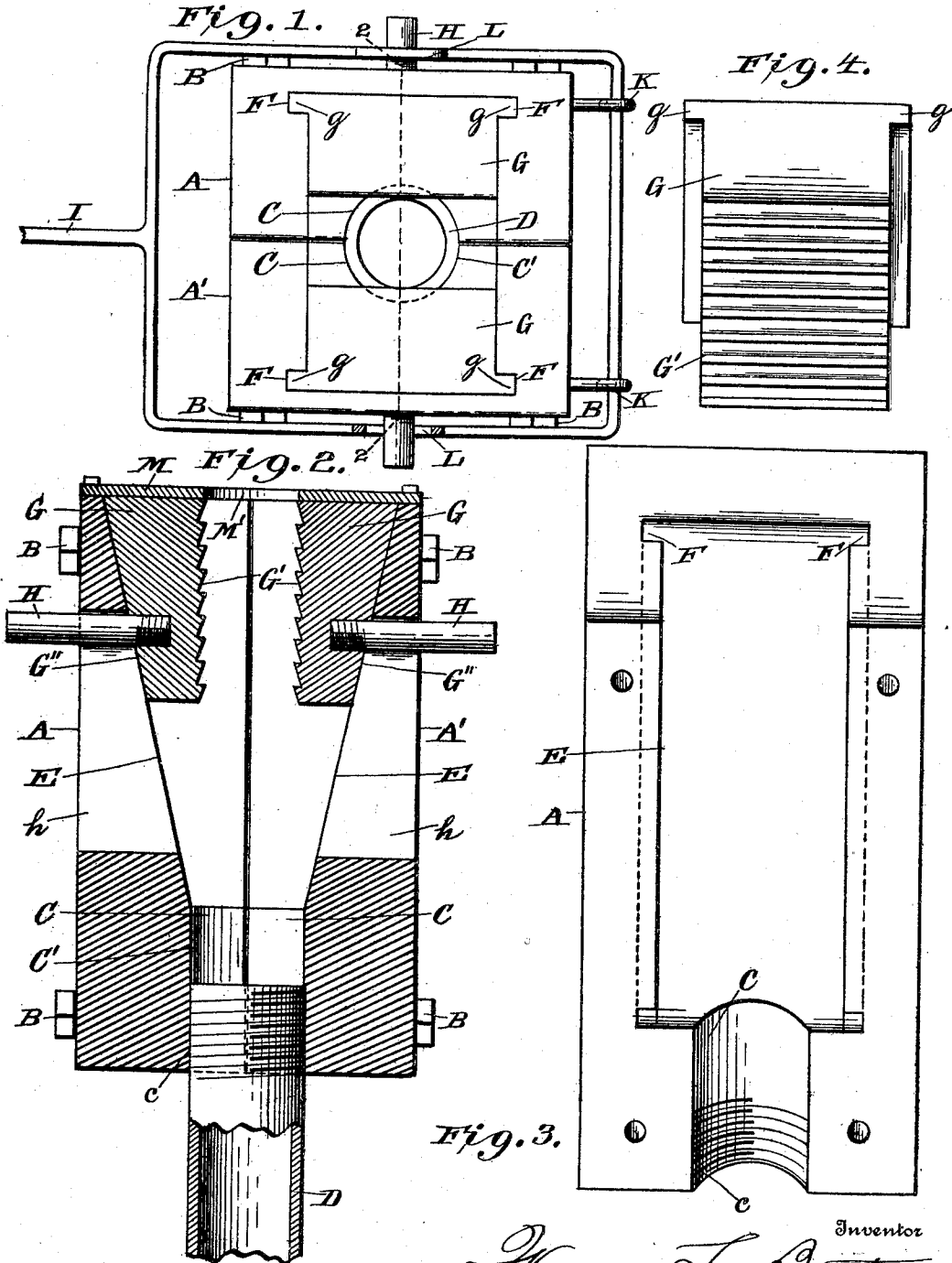
No. 709,580.

Patented Sept. 23, 1902.

W. LA BARTE.
SUCKER ROD GRAB FOR OIL WELLS, &c.

(Application filed May 29, 1902.)

(No Model.)



Witnesses

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UNITED STATES PATENT OFFICE.

WARREN LA BARTE, OF CAIRO, WEST VIRGINIA.

SUCKER-ROD GRAB FOR OIL-WELLS, &c.

SPECIFICATION forming part of Letters Patent No. 709,580, dated September 23, 1902.

Application filed May 29, 1902. Serial No. 109,533. (No model.)

To all whom it may concern:

Be it known that I, WARREN LA BARTE, a citizen of the United States, residing at Cairo, in the county of Ritchie and State of West Virginia, have invented certain new and useful Improvements in Sucker-Rod Grabs for Oil and other Wells, of which the following is a specification.

My invention relates to devices for holding the sucker-rod of an oil-well in place in the well-tube while a section is secured thereto or detached therefrom, and has for its objects to provide a device that is simple in construction and very effective in operation and that will hold the sucker-rod securely and prevent it falling while the additional rod is being secured thereto or detached therefrom.

Additional advantages of my invention will more fully appear hereinafter and by reference to the accompanying drawings, in which—

Figure 1 is a top plan view of my invention with the top plate removed; Fig. 2, a section on the line 2 2 of Fig. 1; Fig. 3, a view in elevation of one of the blocks of which my invention is composed; Fig. 4, a detail view of one of the wedge-clamps.

Referring to the drawings, in which similar reference characters indicate corresponding parts throughout the several views, A and A' represent two blocks, which are joined together by bolts B and comprise the body of my invention. The lower end of each block A and A' has a semicylindrical groove C cut therein, which mates with the groove in the other block and together form the cylindrical bore C', which is screw-threaded, as shown at c, to permit its being secured to the screw-threaded end of the well-tube D. The upper end of each block A and A' has a wedge-shaped opening E cut therein, which is a continuation of the groove C, F representing grooves cut into the blocks A and A' at each side of the base of the wedge-shaped opening E.

G represents a wedge-shaped clamp inserted in each opening E, having its front edge G' serrated and parallel with the meeting edges of the blocks A and A', while its back edge G'' is formed with a slanting face of the same degree as the base of the opening E and extended at each side to form flanges g to fit the

grooves F, hereinbefore described. The wedge clamps G are made of such a thickness that when they are raised to the upper end of the opening E the serrated faces G' are far enough apart to permit the passage of any tool or implement that may be inserted through the bore C', and when lowered will clamp it between the teeth of the two serrated edges, it being readily understood that the weight of the supported tool will cause the teeth to securely hold it. The two wedge clamps G are manipulated by means of bolts H, secured in said clamps and extending through a slot h in each part A and A', I being a lever pivoted in the eyes of bolts K, secured in the parts A and A', said lever I being extended around the blocks A and A' and having grooved extensions L to receive the ends of the bolts H.

M represents a plate secured to the top of the blocks A and A' and having a circular hole M therein, the same diameter as the bore C', and having its center on the same vertical plane as the center of said bore.

Having thus described my invention, what I claim is—

A sucker-rod clamp comprising two blocks having mating semicylindrical grooves forming a cylindrical bore interiorly screw-threaded to be attached to the screw-threaded end of a well-tube, a wedge-shaped opening in each block above said semicylindrical groove having a groove in the vertical walls thereof at each side of the oblique surface, wedge clamps slidably mounted in said wedge-shaped opening and having flanges to fit into said grooves, a bolt secured in the oblique face of each clamp and extending through a vertical slot in the block, eyebolts secured in said blocks, a lever pivoted in said eyebolts formed to surround said blocks, slotted surfaces on each side of said lever to receive said bolts, and a plate secured to the tops of said blocks, substantially as shown and described.

In testimony whereof I hereto affix my signature in the presence of two witnesses.

WARREN LA BARTE.

Witnesses:

EDWIN BROWN,
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