July 31, 1928. 1,679,028

C. E. GALLMAN

POLISHED ROD CLAMP

Filed May 11, 1926

Fig. 1.

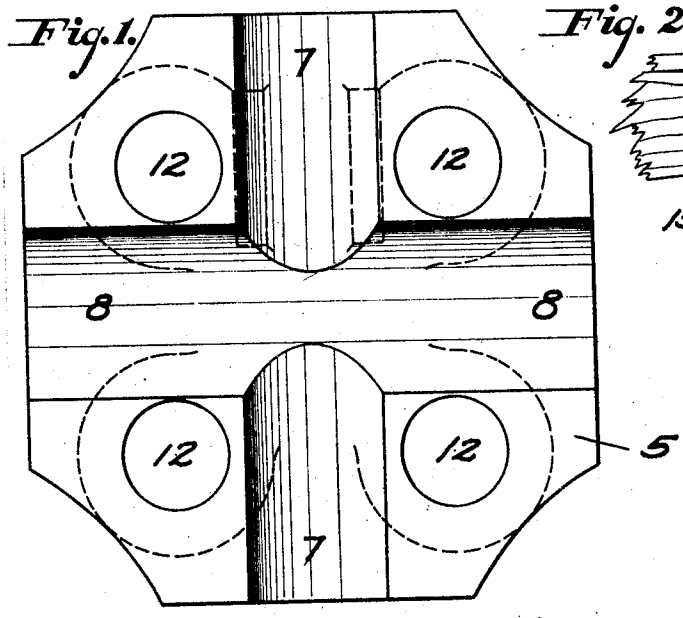


Fig. 2.

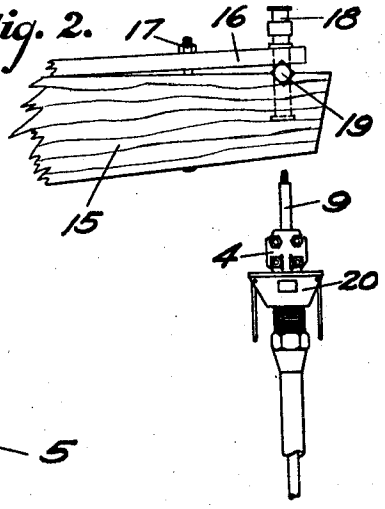
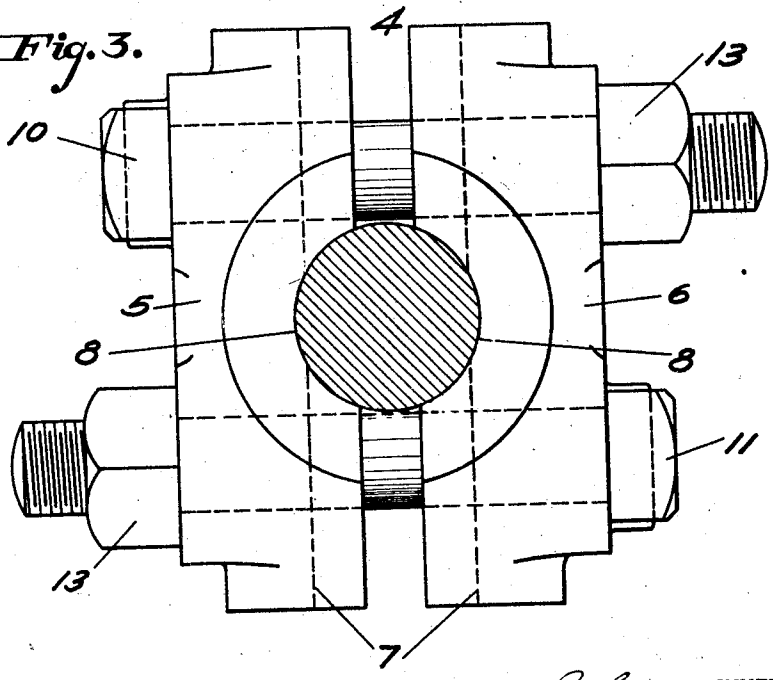


Fig. 3.



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UNITED STATES PATENT OFFICE.

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POLISHED ROD CLAMP.

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My invention relates to improvements in polished rod clamps designed for use in connection with pumping outfits for pumping oil wells. Clamps of this character are secured to the polished rod intermediate the walking beam and the stuffing-box usually employed in these outfits and are designed to engage and support the said rod when it is disconnected from the walking beam or at other times.

Among the objects of my invention are; to provide a new and improved polished rod clamp having a plurality of polished rod receiving openings therein; a clamp of the character described made of two halves of such construction that when assembled the clamp will have two polished rod receiving openings extending through the clamp structure at right angles with each other; and a clamp having two polished rod receiving openings extending therethrough, one of the openings being of greater diameter than the other.

In the accompanying drawing, which illustrates an application of my invention,—

Figure 1, is an elevational view of the inner face of one of the members constituting the polished rod clamp;

Figure 2, an elevational view showing a portion of a walking beam and a part of an oil well pumping outfit with my improved polished rod clamp applied thereto; and

Figure 3, a top plan view of the clamp and showing the polished rod in section.

Referring to the drawings and as preferred, my improved polished rod clamp designated generally by the numeral 4, comprises two similar members 5 and 6; these members are preferably made from some suitable cast metal. Each member comprises a vertically extending semi-circular grooved portion entering into the formation of an opening 7, and a horizontally extending semi-circular grooved portion designed to form an opening 8; the grooved portions may be such as to form circular openings through the clamp of equal diameters or as shown by Figure 1, openings of unequal diameters. In other words, when the two clamp portions 5 and 6, of the form shown by the drawing, are assembled to receive the polished rod 9, the structure will comprise two intersecting openings or bores extending through the clamp and disposed at right angles to each other, the bore or opening 7 being of less diameter than the bore or opening 8 at right angles with the opening 7.

The purpose of forming the openings of different diameters is to enable a single clamp structure to be employed in connection with polished rods of different diameters.

The clamp members 5 and 6, when assembled, are held in close relationship by means of horizontally extending bolts 10 and 11 arranged in pairs, said bolts being passed through registering openings 12 formed in the respective clamp members. 13 designate adjusting nuts disposed on the threaded ends of said bolts. It will be seen that the nuts of each pair of bolts are located on opposite sides of the clamp structure.

Clamps of this character, as above stated, are employed in pumping outfits for oil wells and in Figure 2, of the drawings I have shown diagrammatically a portion of a walking beam 15 to which the polished rod is secured. In this view, 16 designates an adjuster plate, 17 an adjuster T bolt, 18 an elevator sub, 19 an adjuster, and 20 a stuffing-box. It will be noted that the polished rod clamp is located between the walking beam and the stuffing-box and that it is adapted to be lowered into contact with the stuffing-box, in this last mentioned position it supports the polished rod.

What I claim is:

1. A polished rod clamp including two similar separable clamp members and having two polished rod receiving openings extending centrally therethrough, one opening being disposed at right angles with and bisecting the other, and means for securing the clamp members together including two pairs of horizontally extending bolts passed through openings in the clamp members, each bolt having an adjusting nut thereon with the nuts of each pair located on opposite sides of the clamp.

2. In a polished rod clamp, two similar separable clamp members each formed with centrally disposed semi-circular bisecting grooves and a plurality of bolt receiving openings, and two pairs of horizontally extending bolts for clamping the members together passed through the opening.

In testimony whereof I affix my signature.

CHARLES E. GALLMAN.