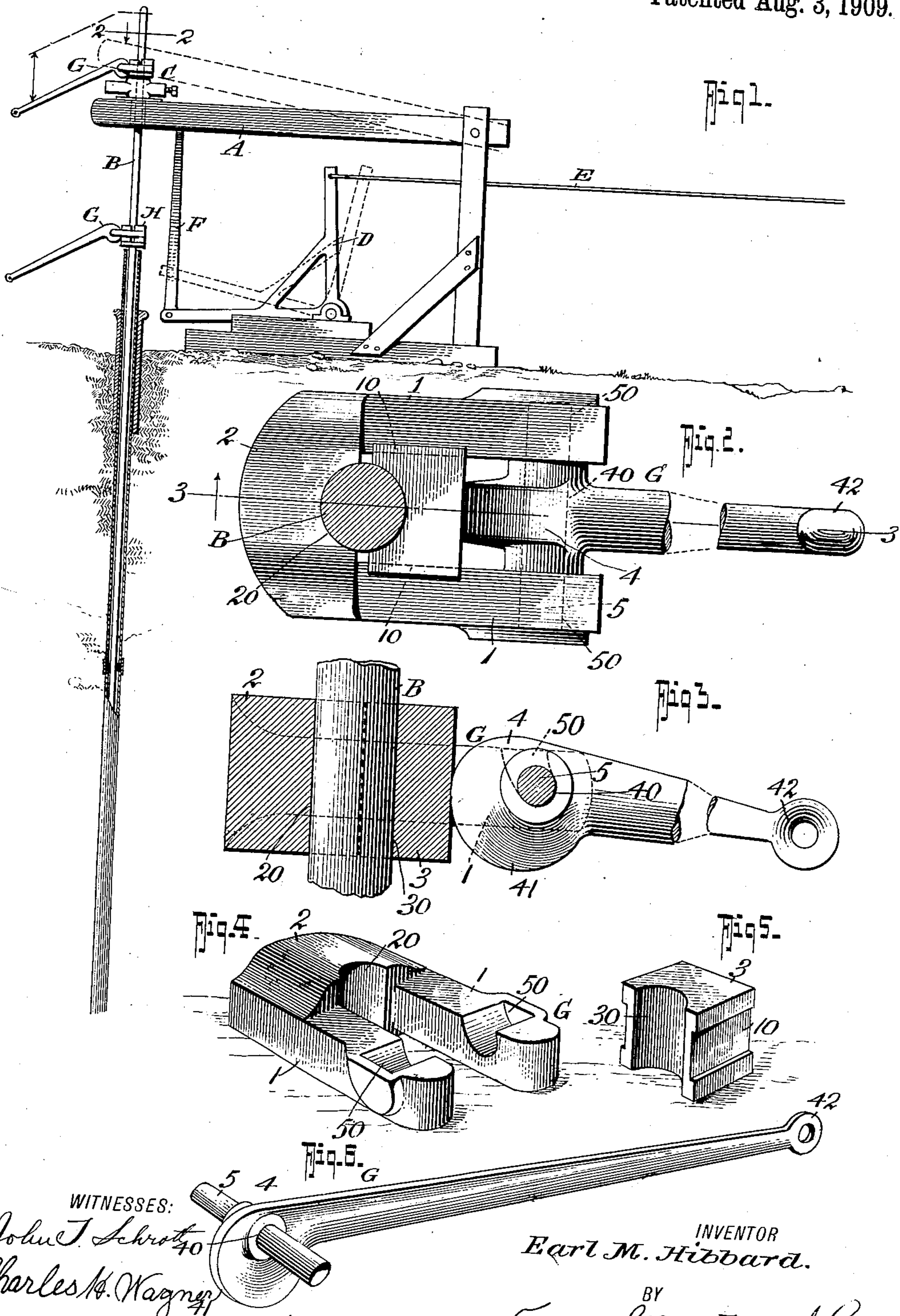


E. M. HIBBARD.
 POLISHED ROD GRIPPER.
 APPLICATION FILED MAY 11, 1907. RENEWED MAY 19, 1909.
 930,179.
 Patented Aug. 3, 1909.



WITNESSES:
 John T. Schrott
 Charles H. Wagner

INVENTOR
 Earl M. Hibbard.

BY
 Fred G. Dietrich
 ATTORNEYS.

UNITED STATES PATENT OFFICE.

EARL M. HIBBARD, OF BOLIVAR, NEW YORK, ASSIGNOR OF ONE-HALF TO ARCH E. HIBBARD, OF BOLIVAR, NEW YORK.

POLISHED-ROD GRIPPER.

No. 930,179.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed May 11, 1907, Serial No. 373,042. Renewed May 19, 1909. Serial No. 496,938.

To all whom it may concern:

Be it known that I, EARL M. HIBBARD, residing at Bolivar, in the county of Allegany and State of New York, have invented a new and Improved Polished-Rod Gripper, of which the following is a specification.

My invention, which generally is in the nature of an improved pipe clamping means, more specifically seeks to provide a simple, inexpensive and effective clamping means or gripper for use on the polished rods employed in connection with oil well rigging, which are raised and lowered by a pump jack or beam and which from time to time must be shifted to provide for a proper adjustment of the well tubing.

Heretofore it has been a common practice to provide clamping devices having toothed or serrated dogs or dies for gripping the rod. This method of gripping the rod is objectionable since it marks or roughens the face of the rod, which rod, to effect the best results, should always present a smooth polished surface, especially at such points where it passes through the stuffing box. Again, in the use of the ordinary forms of pipe clamps for oil well rods, it is usually required that after the tubing is clamped, a die wrench be used whereby to grip the rod to turn it when raising or lowering the same.

My invention is especially designed for overcoming the objections above noted and for providing means having such construction whereby the same not only acts as a clamping means for engaging the rod in such manner as to raise or lower it under the swinging action of the beam or jack, but also acts as means for turning the said rod as the conditions may require while adjusting the polished rod, separating valves and holding rods while taking up surface line, etc., the gripping of the rod in my improvement being effected by frictional engagement of the clamp with the rod in such manner as to leave the said rod smooth, such condition of the rod being essential since it is often necessary to change the adjuster device used in connection with the beam and the rod for effecting the necessary shifting of that part of the rod that works through the stuffing box.

With other objects in view to be hereinafter explained, my invention consists in certain combination and peculiar arrangement of parts, all of which will be hereinafter fully explained, specifically pointed out in the appended claim and illustrated in the accompanying drawings, in which:

Figure 1, is a view that illustrates the general arrangement of my invention in connection with an oil well pump rigging. Fig. 2, is a horizontal section taken substantially on the line 2—2 on Fig. 1. Fig. 3, is a longitudinal section of the same, taken on the line 3—3 on Fig. 2. Fig. 4, is a perspective view of the bifurcated member that has the fixedly held rod clasper. Fig. 5, is a perspective view of the adjuster rod gripper. Fig. 6, is a similar view of the combined eccentric lever and handle for turning the rod.

In the accompanying drawing A designates the beam, B the polished rod, C the adjuster on the rod, D the V or rocker frame, E the power cable or line, F the pitman and H the stuffing box for the rod B, all of which may be of any well-known construction and operate in the usual manner, said parts, *per se*, forming no part of my invention.

The clamping devices, of which in the practical application of my invention two are used, one above and the other below the beam, see Fig. 1, and which are designated G—G, each consists of a body portion having a bifurcated shape and comprises the opposite parallel side arms 1 and a fixedly held clamping member 2, having a smooth concaved seat 20 for engaging with the polished rod B.

3 designates an adjustable clamping member which opposes the member 2 and has a concaved seat 30 for engaging the rod B, and the said member 3 is slidably mounted on the side arms 1, it having its opposite edges formed with horizontal grooves 10 for receiving the said arms as clearly shown in the drawing.

4 designates a lever or handle, in practice, about twenty inches long, the head portion of which has a transverse aperture 40 and a cam or eccentric face 41 for coacting with the sliding clamp 3. The cam or head portion of the lever is mounted on cross bolt 5 that passes through the aperture 40 in the cross head and into the recess 50 of the side arms 1 and is held therein by the weight of the arm and the cam 41. The outer end of the lever arm 4 has an eye 42 to receive a weight when it is desired to hold the rod clamped at its set or adjusted position.

From the foregoing description, taken in

connection with the accompanying drawing, the complete construction, the general manner of use and the advantages of my invention, it is believed, will be readily apparent.

5 It will be noticed that when the beam A moves up or down it raises or lowers the polished rod B, and since the beam makes from 10 to 60 strokes per minute, that in order to bump the valves or pull up out of
10 barrel, breaking or loosening the paraffin from the tubing, screwing up or unscrewing rods etc. while the rod is in motion, it will only be necessary to loosen the adjuster (it being understood that the two grips are in
15 place), after which to raise the polished rod when the beam rises, catch the rod with the lower grip and when it lowers then catch the rod with the upper grip to lower the rod and vice versa.

20 Having thus described my invention what

I claim and desire to secure by Letters Patent is:

A polished rod gripper, comprising a body portion having a bifurcated extension, the side arms of which are recessed near the 25 outer ends, a clamping member having a smooth pipe engaging face and forming a fixed part of the body portion, a second clamping member slidably mounted on the side arms of the body, and having a smooth 30 pipe engaging face, a lever arm having a shaft portion journaled in the recessed outer ends of the body, and having a cam head or projection for engaging the movable member as set forth.

EARL M. HIBBARD.

Witnesses:

M. G. HIBBARD,
CLARENCE BURCH.