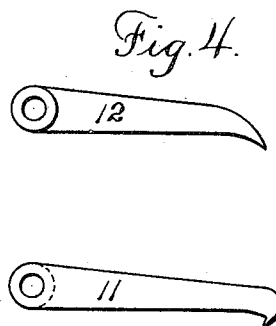
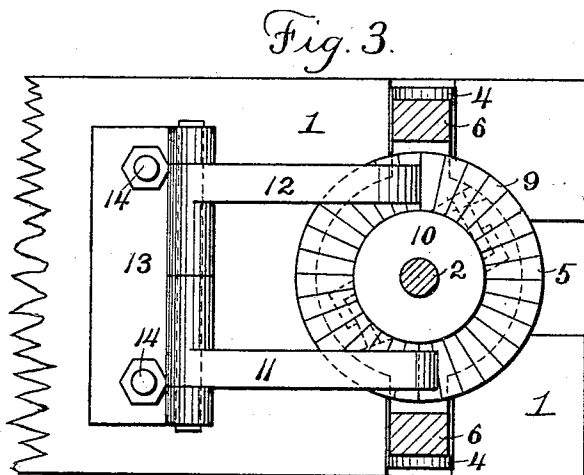
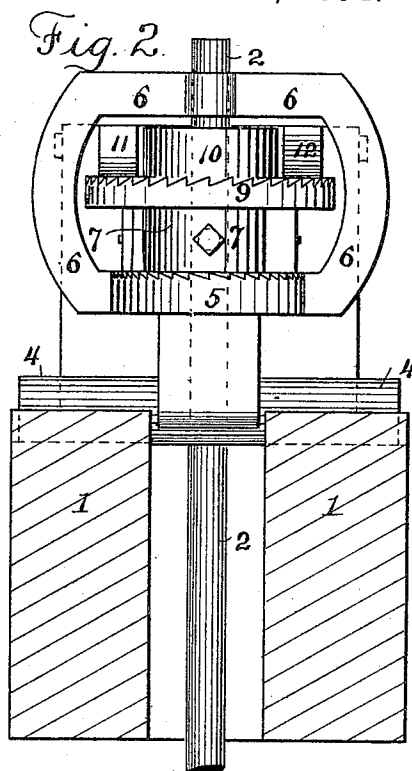
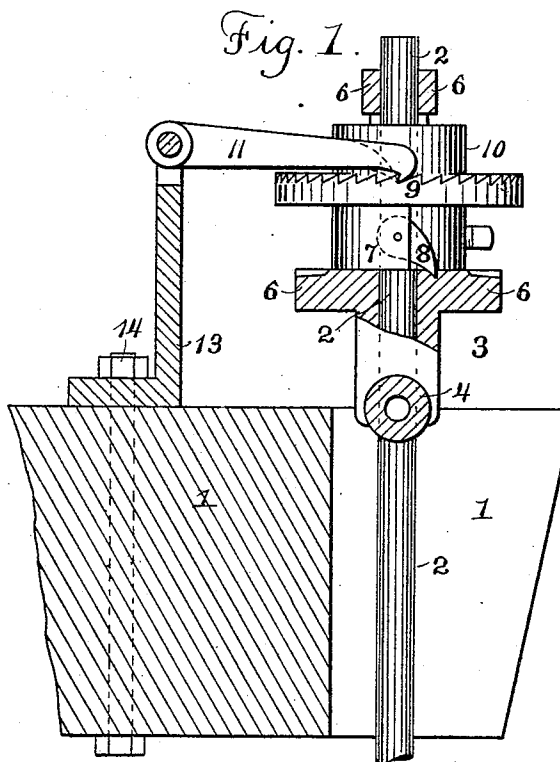


(No Model.)

D. M. EDMONDS.
ADJUSTER FOR SUCKER RODS.

No. 529,323.

Patented Nov. 13, 1894.



WITNESSES:
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UNITED STATES PATENT OFFICE.

DAVID M. EDMONDS, OF DERRICK CITY, PENNSYLVANIA.

ADJUSTER FOR SUCKER-RODS.

SPECIFICATION forming part of Letters Patent No. 529,323, dated November 13, 1894.

Application filed June 21, 1894. Serial No. 515,297. (No model.)

To all whom it may concern:

Be it known that I, DAVID M. EDMONDS, a citizen of the United States, residing at Derrick City, in the county of McKean and State of Pennsylvania, have invented certain new and useful Improvements in Adjusters for Sucker-Rods, of which the following is a specification.

My present invention is designed as an improvement on my invention described in an application filed in the United States Patent Office on the 16th of March, 1894, and serially numbered 503,947, and it relates to an adjuster for sucker-rods which insures the sucker-rod being rotated during the pumping operation, and in this manner keep the tubing free from paraffine, which forms on it and fills it up, thus obviating the necessity of removing the long string of sucker-rods and tubing from the well in order to free them from such deposit.

My present invention consists essentially of a serrated disk carried by a body portion which rests on a walking beam, and of a pair of dogs also carried by the walking beam and adapted to engage the serrated disk for rotating the same as the walking beam moves up and down, and my invention further consists of certain features of novel construction that will be hereinafter fully described and specifically pointed out in the claims.

In the accompanying drawings which form a part of this specification—Figure 1 is a side elevation, partly in section of my improved device. Fig. 2 is a front view thereof. Fig. 3 is a top view with the top part of the yoke broken away, and Fig. 4 is a detail view of the dogs.

In the said drawings:—1 represents the end of a walking beam constructed in the usual manner for carrying the adjuster.

2 represents the polished rod, the upper end of which is secured in the adjuster and the lower end to the sucker-rod.

3 represents the body of the adjuster which is composed of the trunnions 4, serrated disk 5 and yoke 6. All of these parts have a central opening through which the polished rod passes.

7 represents a collar rigidly secured to the polished rod by means of set screws, and which carries a pair of pivoted dogs 8.

The operation of the above mentioned parts have been fully described in my application above referred to.

9 represents a serrated disk, and 10 a collar integrally formed with the collar 7. The disk 9 is provided with serrations on its upper face which are adapted to be engaged by a pair of dogs 11, 12, pivoted on a standard 13 which is secured to the walking beam 1, by bolts 14. This construction is designed to insure the turning of the sucker-rods during the pumping operation by means of the movement of the walking beam, the operation of the parts being that as the walking beam descends the pivoted dogs slide over the serrations one or more notches, and as the walking beam ascends the dog 11 pulls and the dog 12 pushes the disk around and in this manner rotates the sucker-rods.

It will be understood that the above described construction could be used without the lower disks and dogs, but I prefer to use both devices as better results are obtained therefrom.

Having thus described my invention, the following is what I claim as new therein and desire to secure by Letters Patent:

1. In an adjuster for sucker-rods, the combination of the body portion 3 formed with the trunnions 4 and serrated disk 5 carried by a walking beam, a collar carrying a pair of dogs for engagement with the disk 5 and a serrated disk 9, and a pair of pivoted dogs carried by the walking beam for engagement with the disk 9 substantially as and for the purpose set forth.

2. In an adjuster for sucker rods, the combination of a body portion 3 formed with the trunnions 4 and serrated disk 5 and carried by a walking beam, a collar carrying a pair of dogs for engagement with the disk 5 and a serrated disk 9 and collar 10, and a pair of dogs for engagement with the disk 9 pivoted on a standard 13 secured to the walking beam substantially as and for the purposes set forth.

DAVID M. EDMONDS.

Witnesses:

BEN R. HAGAR,
FRANK A. SNAKARD.