

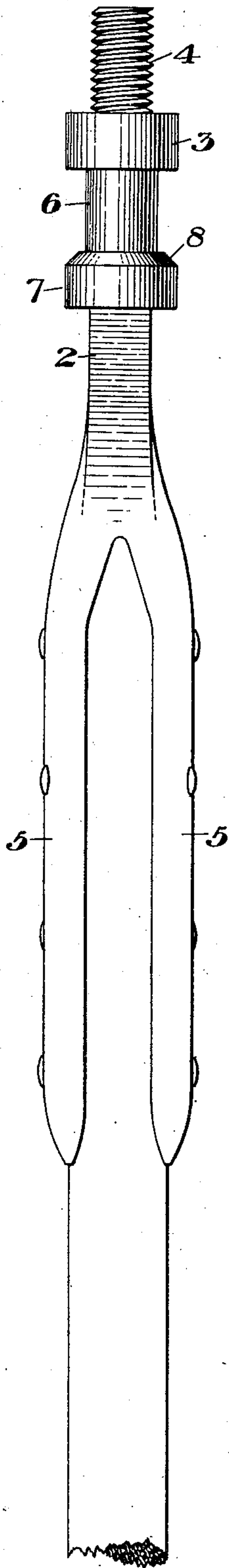
No. 705,443.

Patented July 22, 1902.

I. RALLSTON.
SUCKER ROD STUB.

(Application filed Jan. 18, 1902.)

(No Model.)



WITNESSES

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INVENTOR

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UNITED STATES PATENT OFFICE.

ISSAC RALLSTON, OF NEW BETHLEHEM, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO THOMAS SPILLANE, OF NEW BETHLEHEM, PENNSYLVANIA.

SUCKER-ROD STUB.

SPECIFICATION forming part of Letters Patent No. 705,443, dated July 22, 1902.

Application filed January 18, 1902. Serial No. 90,285. (No model.)

To all whom it may concern:

Be it known that I, ISSAC RALLSTON, of New Bethlehem, Clarion county, Pennsylvania, have invented a new and useful Sucker-Rod Stub, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which the figure is a side elevation showing the end portion of a sucker-rod provided with my improved stub.

Heretofore in the sucker-rods employed in deep wells the elevator could not be applied to the stub while the stub is turned by the wrench.

My invention is designed to do away with one swivel on the elevator, and also with one of the wrenches used, and to provide a sucker-rod stub which can be rotatably supported by the elevator while the stub is turned with a wrench to screw up or unscrew it.

In the drawing I show a stub for wooden sucker-rods having a squared wrench portion 2, the upper collar 3, and the screw-threaded stub portion 4, as in the usual stub.

55 are the usual forked leg portions, which are secured to the wooden rod.

Below the collar 3 I provide a cylindrical portion 6 upon the stub, below which is a second collar 7, preferably having a slightly-beveled upper face 8. The squared portion 2 is beneath the lower collar, and in operating the rods the elevator is slipped under the upper collar 3, and a wrench is applied to the squared portion below the lower collar. The round or cylindrical part 6 allows the rod to be turned in unscrewing while it is supported by the elevator, and the elevator will sup-

port the rod after the screw-threaded stub has been unscrewed from the socket on the next rod.

The advantages of the invention result from the use of the two rings or collars, the elevator being beneath the upper ring, while the wrench is applied to the squared portion below the lower ring. I thus save one elevator and one swivel-hook and render the operation much easier than with the ordinary construction of stub.

Within the scope of my invention changes may be made in the form and arrangement of the stub, which may be used either on wooden or iron or steel rods.

I claim—

1. A sucker-rod stub having a ring or collar portion with a cylindrical portion below it, and a squared wrench portion below the cylindrical portion; substantially as described.

2. A sucker-rod stub having two rings or collars with a substantially cylindrical portion between them and a squared wrench portion below the lower collar; substantially as described.

3. A sucker-rod stub having an upper screw-threaded portion with a collar at its lower end, a cylindrical portion below the collar, another collar below the cylindrical portion, and a squared portion below the lower collar; substantially as described.

In testimony whereof I have hereunto set my hand.

ISSAC RALLSTON.

Witnesses:

JESSE KIEHL,
DANIEL M. GEIST.