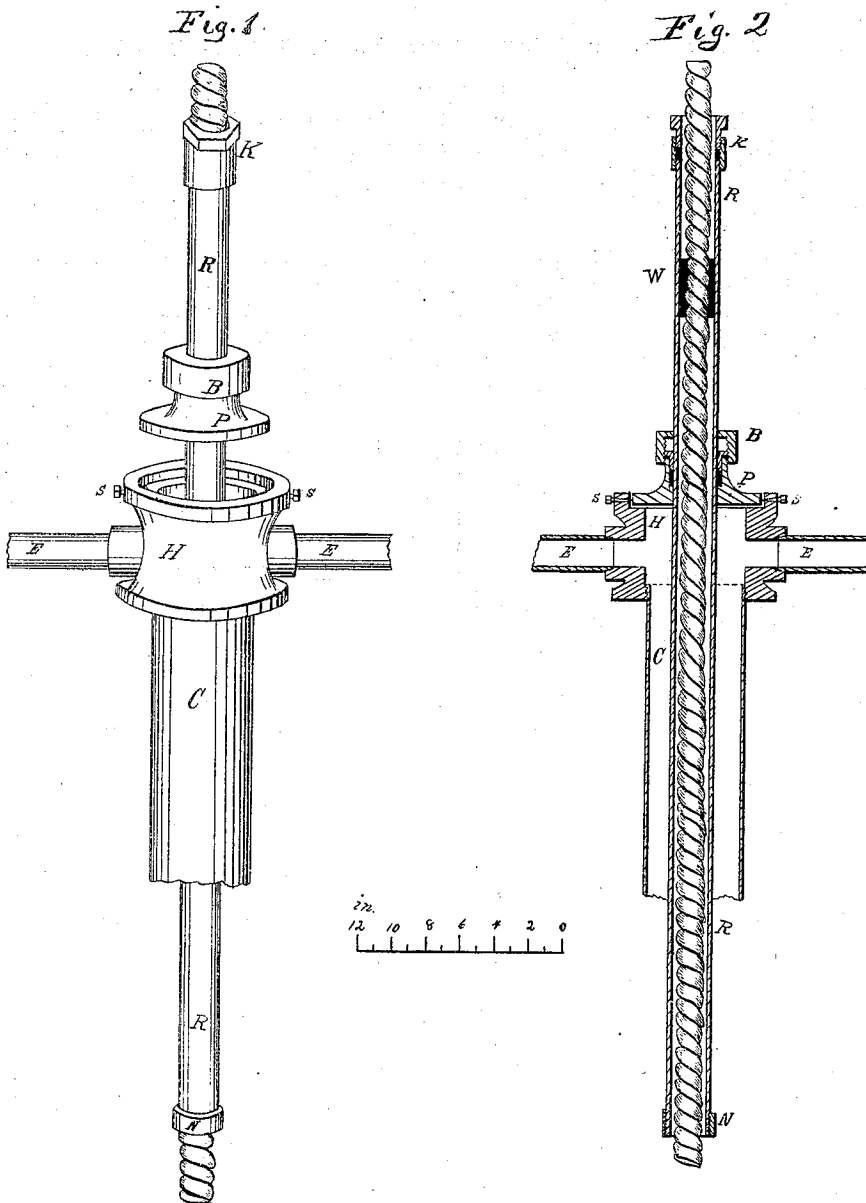


V. GRETTES.

Improvement in Machines for Drilling Oil-Wells.

No. 129,129.

Patented July 16, 1872.



Witnesses

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VICTOR GRETTTER, OF PETROLEUM CENTRE, PENNSYLVANIA.

IMPROVEMENT IN MACHINES FOR DRILLING OIL-WELLS.

Specification forming part of Letters Patent No. 129,129, dated July 16, 1872.

Specification describing certain Improvements in Machine for Drilling Oil-Wells, by VICTOR GRETTTER, of Petroleum Centre, in the county of Venango and State of Pennsylvania.

My invention consists of a stuffing-box, properly secured to the ordinary casing-head, with a hollow plunger passing through. The object of the hollow plunger is to allow the drilling-cable to pass through it, and by woolding or wrapping, or by the use of a stuffing-box, secure the plunger to the cable at any required point for the purpose of preventing the escape of oil or gas while drilling.

R is a hollow plunger, secured to the drilling-cable by woolding or wrapping W, or by packing in the stuffing-box K, and working through stuffing-box B, which is secured to casing-head H by set-screws S S in plate

P. The plunger R is limited in its motion through, and is secured within, the stuffing-box B by the check-nuts N and the stuffing-box K, which also acts as a check-nut. The oil, gas, or water flowing through casing C and casing-head H makes exit at E E.

I claim—

The combination of the stuffing-box B and the reciprocating plunger R, constructed as described, and attached by the woolding W to the drilling-cable, with the casing-tube C having the lateral openings E E, all arranged and operating as and for the purpose specified.

VICTOR GRETTTER.

Witnesses:

F. A. CONKLE,
CHAS. E. HART.