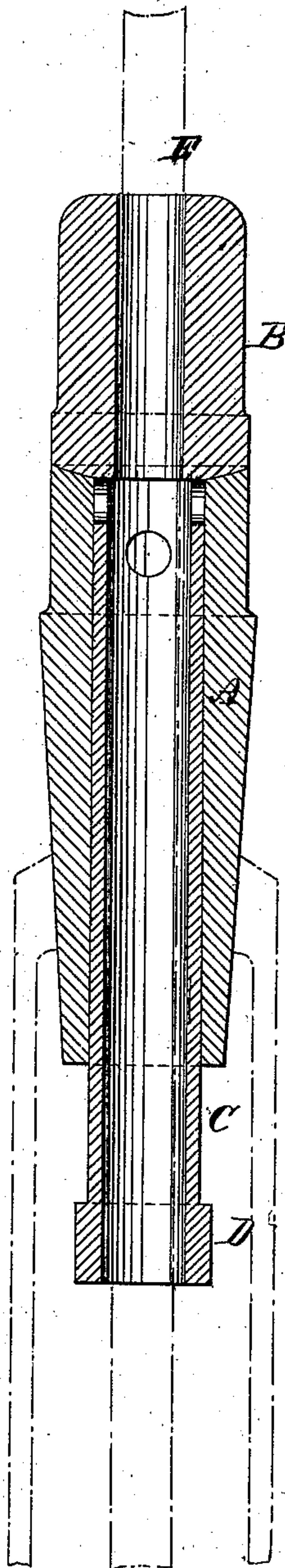


A. M. TERRILL.  
CHECK-VALVE FOR OIL-PUMPS.

No. 194,627.

Patented Aug. 28, 1877.



WITNESSES:

*H. Rydquist*  
*J. H. Scarborough.*

INVENTOR:

*A. M. Terrill.*  
BY *Mumford*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

AMOS M. TERRILL, OF PETROLIA, PENNSYLVANIA.

## IMPROVEMENT IN CHECK-VALVES FOR OIL-PUMPS.

Specification forming part of Letters Patent No. **194,627**, dated August 28, 1877; application filed July 30, 1877.

*To all whom it may concern :*

Be it known that I, AMOS M. TERRILL, of Petrolia, in the county of Butler and State of Pennsylvania, have invented a new and Improved Check-Valve for Oil-Pumps, of which the following is a specification:

The object of my invention is to provide a check-valve for attachment to the working-barrels of oil-pumps that will retain the fluid and relieve the piston from the column of fluid contained by the well.

In the drawing, which is a central vertical section, A is a tapering sleeve, which is coated with soft metal, and fitted to the upper end of the working-barrel of an oil-pump, and provided with concave valve-seat, to which is fitted a valve, B, having a tubular stem, C, which is drilled transversely immediately under the face of the valve. The tubular stem C is provided with a collar, D, which limits the lift of the valve. The bore of the valve

is smaller than that of the tubular stem, and it is fitted to the piston-rod E. (Shown in dotted lines.) As the piston rises the upward pressure of the liquid lifts the valve, and the liquid escapes through the apertures under the valve-face to the tubing of the well. When the piston descends the valve closes, and prevents the return of the liquid to the pump-barrel.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The tapering sleeve A and the valve B, having the tubular stem C, provided with discharge-apertures, combined and adapted for use in connection with the working-barrel and piston of an oil-well pump, substantially as shown and described.

AMOS MORIS TERRILL.

Witnesses:

PERRY THAYER,  
S. W. HARLEY.