

# UNITED STATES PATENT OFFICE.

GEORGE T. PARRY AND WILLIAM S. WARNER, OF PHILADELPHIA, PA.

IMPROVED METHOD OF PREVENTING OIL-BARRELS, &c., FROM LEAKING.

Specification forming part of Letters Patent No. **45,855**, dated January 10, 1865.

*To all whom it may concern:*

Be it known that we, GEORGE T. PARRY and W. S. WARNER, both of the city of Philadelphia and State of Pennsylvania, have invented a new and useful mode of preventing leakage from barrels and other vessels of wood; and we do hereby declare that the following is full, clear, and exact description thereof.

Our invention consists in introducing paraffine into the pores of the wood. This may be done in any desired way. We prefer to use the well-known process, which consists in placing the barrels or other vessels, or the staves or parts of wood composing the same, in any vessel made air-tight, or as nearly so as practicable, then exhausting the vessel by means of an air-pump, and then allowing melted paraffine to flow into the vacuum. By this means the pores of the wood are saturated with the

paraffine, and the wood made impervious to coal-oil or the most powerful acids or other fluids.

Another mode of applying the paraffine to the wood consists in thoroughly drying the wood in ovens or otherwise and then immersing it in a solution prepared by dissolving the paraffine in naphtha or other solvent.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The employment of paraffine to prevent leakage from barrels and other vessels of wood.

GEORGE T. PARRY.  
W. S. WARNER.

Witnesses:

GEO. BUCKLEY,  
JAMES MCCALUN.