

United States Patent Office.

WILLIAM R. BREE, OF POTTSVILLE, PENNSYLVANIA.

Letters Patent No. 67,947, dated August 20, 1867.

IMPROVED LINING FOR OIL-BARRELS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM R. BREE, of Pottsville, in the county of Schuylkill, and State of Pennsylvania, have invented a new and improved Lining for Coal-Oil Barrels; and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable others skilled in the art to which the invention appertains to make use of it.

In this invention, a coating of a composition, the ingredients of which are glue, molasses, and lime-water, is applied to the inside of the barrels to render them impervious to the oil.

In order to prevent the escape of coal oil through the pores of the wood, the barrels in which it is stored have been lined with various substances, none of which have ever proved to be perfectly adapted to the purpose. Among others glue has been used, but its liability to crack and peel off seriously impairs its usefulness.

I have invented a new composition which will perfectly accomplish the desired purpose, and which is not liable to the objections stated above. The component parts of my compound are glue, molasses, and lime-water, or common whitewash, in the proportions of one pound of glue to one pint of molasses, and one quart of lime-water of the thickness of milk. To prepare it I place the glue in a suitable vessel, with so much water as will suffice to dissolve it to the consistency of molasses. When this solution has been effected, add the molasses, the whole being kept at a good heat, and thoroughly combine the molasses and glue, then add the lime-water, and heat it no longer. The mixture is now ready to apply, and the quantity above specified will suffice to line six or seven barrels. The glue of the composition makes the pores of the wood impervious to the oil; the molasses employed enters into combination with the glue, and renders it so tough, and cohesive to the wood, that no amount of heat will crack or peel it from the staves; while the lime-water is used as a drier, and prevents the glue and molasses running in hot weather, the whole forming a composition which is cheap, durable, easily applied, and admirably adapted to render the wood completely impervious to coal oil.

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

The composition above described, when made and used substantially as and for the purpose specified.

To the above specification of my improved lining for coal-oil barrels I have signed my hand this 25th day of June, 1867.

WM. R. BREE.

Witnesses:

CHAS. A. PETTIT,

SOLON C. KEMON.