

UNITED STATES PATENT OFFICE.

WILLIAM L. DOOLING AND DAVID CHRISTMAN, JR., OF ZANESVILLE, OHIO.

IMPROVED COMPOSITION FOR COATING VESSELS FOR PETROLEUM, &c.

Specification forming part of Letters Patent No. **53,280**, dated March 20, 1866; antedated March 6, 1866.

To all whom it may concern:

Be it known that we, WILLIAM L. DOOLING and DAVID CHRISTMAN, Jr., of Zanesville, in the county of Muskingum and State of Ohio, have invented a new glutinous compound which is designed for coating the interior surfaces of barrels, casks, and other vessels intended to be used for holding petroleum, coal-oil, benzole, and other hydrocarbon liquids, in order to prevent said vessels from leaking; and we do hereby declare that the following is a full and exact description of the composition and manner of making the compound aforesaid.

Take of common glue, one pound; sorghum-molasses, one-half pint; beeswax, one ounce; resin, one ounce. Put the glue in a suitable vessel of convenient size and place the latter in an outer vessel of water and boil, in the ordinary way of boiling glue, for two hours. Then add the molasses and sufficient water therewith to give the whole about the consistency of cream, and boil for two hours more. Finally, add the beeswax and resin and continue the

boiling from two to three hours, and the process of making will be complete.

In order to use the compound, heat it boiling hot in a vessel immersed in water, and while in the fluid state pour it in considerable quantities (two or three gallons) into the cask to be lined, and, having taken care by revolving the cask or otherwise to secure a complete coating throughout, pour off the surplus. The cask is then ready to receive the oil.

What we claim as our invention, and desire to secure by Letters Patent, is—

A compound, and the manufacture of the same, composed substantially of the ingredients before mentioned, and its application to the interior surfaces of barrels and other casks designed to be used for holding the hydrocarbon oils.

WILLIAM L. DOOLING.
DAVID CHRISTMAN, JR.

Witnesses:

JOHN HAYNES,
CHAS. W. CHANDLER.