

W. JENKINS.

Casks for Transporting Oils, &c.

No. 144,103.

Patented Oct. 28, 1873.

FIG. 1.

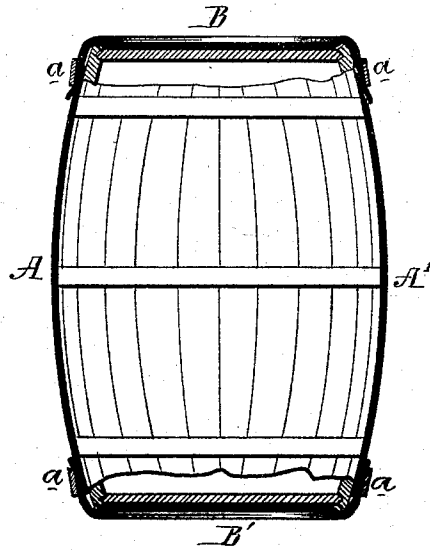
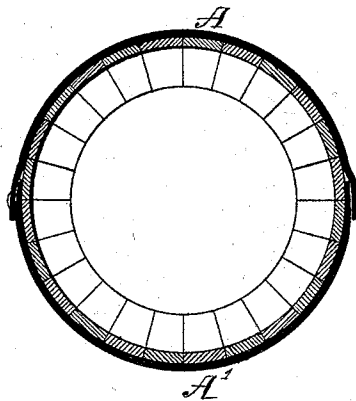


FIG. 2.



Witnesses, Hubert Howson
Harry Smith

Wm Jenkins
By his Atty.
Howson and Son.

UNITED STATES PATENT OFFICE.

WILLIAM JENKINS, OF THE WILLOWS, ABERGAVENNY, ENGLAND.

IMPROVEMENT IN CASKS FOR TRANSPORTING OILS, &c.

Specification forming part of Letters Patent No. **144,103**, dated October 28, 1873; application filed October 11, 1873.

To all whom it may concern:

Be it known that I, WILLIAM JENKINS, of The Willows, Abergavenny, in the county of Monmouth and Kingdom of England, have invented an Improvement in the Prevention of Leakage in Wooden Casks, of which the following is a specification:

The object of my invention is to prevent leakage and evaporation of the liquid contents of wooden casks by covering the latter, either wholly or partially, with felt, or other equivalent material of a compressed fibrous character, forming a good non-conductor of heat, all as plainly shown in the longitudinal section, Figure 1, and transverse section, Fig. 2, of the accompanying drawing.

Wooden casks, however well they may be made, are liable to lose a portion of their liquid contents when exposed to the drying action of the sun and air. Either the wood shrinks and cracks, or the liquid expands and forces its way through the pores of the wood. Hence, such casks are seldom used for conveying extremely liquid and volatile oils to and from warm climates.

In order to render wooden casks available for such purposes, I propose to cover them wholly or partially with felt or other equivalent material of a compressed fibrous character, forming a good non-conductor of heat, substantially as hereinafter described. Roofing-felt may be used, but I prefer ordinary, but stout, ship-sheathing felt, which is equally cheap, and a better non-conductor of heat.

Before proceeding to cover the wood cask, I

examine it well to see that the staves are perfectly sound and tight, and that there is no sign of leakage anywhere. In the case of casks containing oil, I see that they have the usual coating of paint, more especially on the ends.

The felt may be placed on the cask in various ways, but I prefer the following: I take two pieces of felt, A A', which, united, will be sufficient to cover the center of the cask, and having, by pressure or otherwise, given to the same the required bilge or curve, I attach them to the cask by means of a few clout-nails or tacks. I then take two pieces of felt, B B', for covering the ends, which I press into the form of capsules, as shown. These are attached in like manner by means of tacks, or iron or wooden hoops *a* may be used for the same purpose. Finally, I prefer to give the felted covering a coating of lime or chalk wash, so as to render it less absorbent of heat.

I claim as my invention—

A wooden cask, covered either wholly or partially with felt, or other equivalent material of a compressed fibrous character, for the purpose specified.

In witness whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM JENKINS.

Witnesses:

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