

J. BOUSFIELD.

DEVICE FOR PROTECTING WOODEN BUCKETS WHEN PACKED FOR
TRANSPORTATION.

No. 174,347.

Patented March 7, 1876.

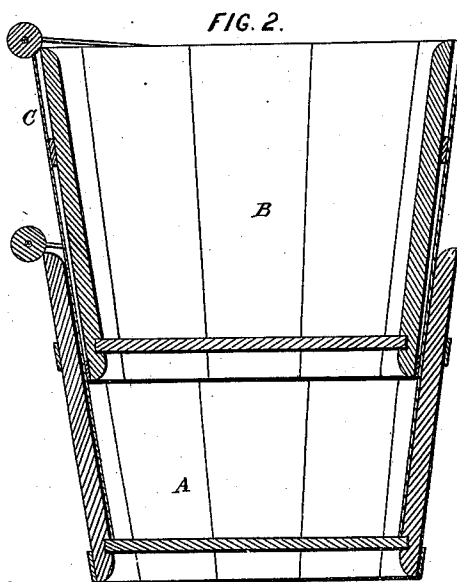
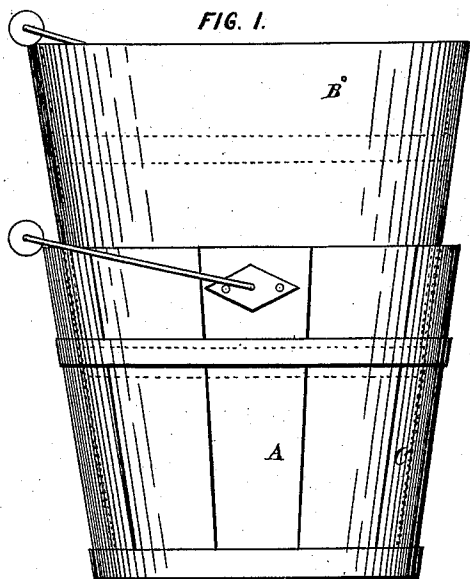


FIG. 3.

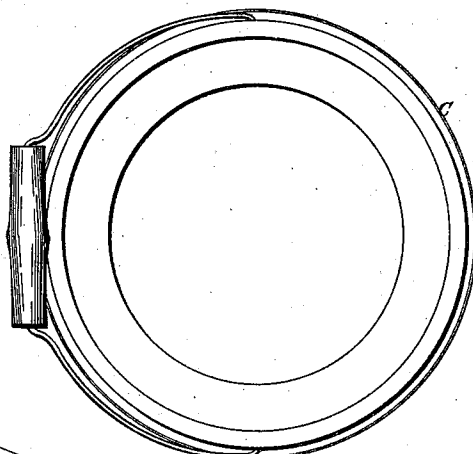
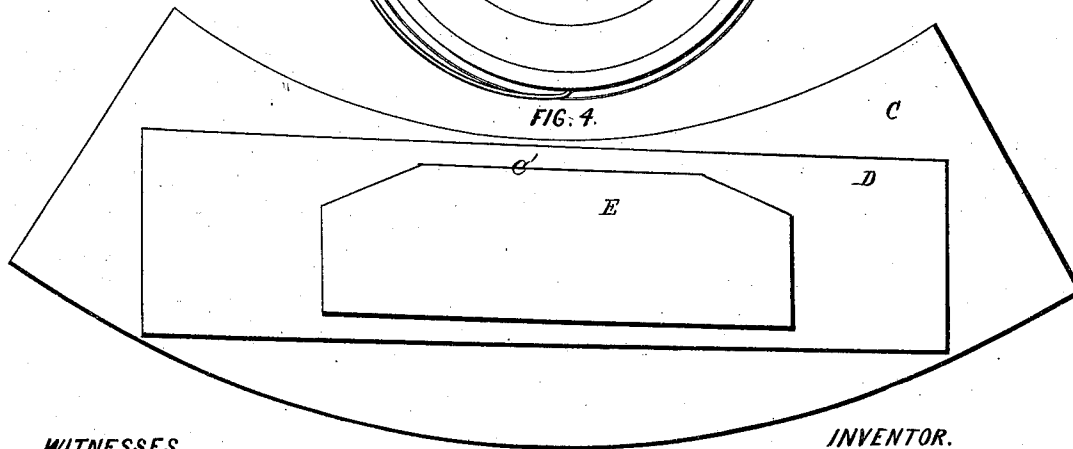


FIG. 4.



WITNESSES.

A. H. Cornett.
W. S. Miller

INVENTOR.

John Bousfield,
Per. Burridge & Co.
Atty's.

UNITED STATES PATENT OFFICE.

JOHN BOUSFIELD, OF CLEVELAND, OHIO, ASSIGNOR TO ADISON H.
DELAMATER, OF SAME PLACE.

IMPROVEMENT IN DEVICES FOR PROTECTING WOODEN BUCKETS WHEN PACKED FOR TRANSPORTATION.

Specification forming part of Letters Patent No. 174,347, dated March 7, 1876; application filed
August 9, 1875.

To all whom it may concern:

Be it known that I, JOHN BOUSFIELD, of Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and Improved Packing for Pails, &c., of which the following is a full, clear, and complete description, reference being had to the accompanying drawing, making part of this specification, in which—

Figure 1 is an outside view of pails packed one within the other. Fig. 2 is a vertical transverse section. Fig. 3 is an inside view. Fig. 4 is a detached view of the material used for wrapping or packing the pails in nesting them.

Like letters of reference refer to like parts in the several views.

The nature of this invention relates to a certain material for packing ordinary wooden pails, tubs, &c., in nesting them for transportation; and the object of the same is to protect said articles from abrasion and injury while in transit, or while being handled.

In consequence of the soft nature of the material of which ordinary pails and tubs are made, and the paint applied to them, and also from their being nested for transportation, they are in consequence liable to become bruised, scratched, dirty, or otherwise injured, thereby depreciating their value in view of their damaged appearance and condition. To guard against this injury to the articles specified, it becomes necessary to pack or nest them with much care. To this end loose straw is generally used, which is spread carefully in one pail, and the next one placed therein upon it. The straw thus used can protect only the lower part of the outside of one pail and the inside of the other.

This material for packing is not reliable, and only imperfectly and but partially accomplishes the end desired, for the reason that straw is liable to work out from between the pails, leaving them in direct contact with each other, causing an abrasion of the inside and outside of them. The straw in no event protects the whole of the outside of the pails. The upper part of the one pail not inclosed by the other, into which it is placed, is exposed to

injury, and is often bruised, scratched, and the paint rubbed off or dirtied by its rough contact with the exposed parts of other nests of pails, and which parts need as much protection.

To afford this protection, and also to prevent the abrasion of that part of the pails within each other, is the purpose of my invention, and which result I accomplish by the use of thin sheets of wood or scale-board. Views of such sheets are shown in Fig. 4.

The sheet may be cut curving, as shown at C, or as represented at D E. The particular shape of the material, however, is not a matter of consequence. Said boards or sheets of wood, when bent up, will fit the inside of a pail, A, forming a lining to the sides, and extending above the top of a pail, B, nested therein, and so on through the whole number of nested pails. A sheet or sheets of wood thus applied as a wrapper or packing to the pails is shown at C, Fig. 2, in which it will be seen to form a lining to the pail A, and a wrapper to the pail B, as shown in Fig. 1.

It will be obvious that, by the use of thin sheets of wood, or its equivalent, as a packing or wrapper for the pails, in the manner as above described, those parts of the pails which set into each other in nesting them are not only protected from abrasion, but also those parts out of the pails are alike protected from becoming bruised, rubbed, or scratched by contact with each other. When the nests of pails are stood up together in storing the same, or during transportation, with the exception of the lowermost pail of the nest, all of them are protected by the wrappers. When removed therefrom, the pails are clean and bright, and as free from bruises, scratches, or other injuries as they were on leaving the factory; hence there is no depreciation in their market value. Also, by the use of sheets of wood it cannot come out from between the pails, although the contact of the one pail within the other may not be all around, but at one or two places only. Said one or two points of contact will hold the sheets in place between the pails. This, however, is not the case when pails are packed with straw, for the straw will work

out from between them in consequence of a shrinking of the pails in one direction or diameter; hence they become of unequal diameter, and cannot touch each other all around when nested; therefore the straw becomes loose and falls out, as aforesaid, it not being held in close contact between the pails, and also the straw stalks separate from each other in handling and transportation, causing the pails to rub upon each other, and thereby marring their appearance. It also makes the nests of pails and tubs much neater in appearance, and causes no litter in unpacking them.

What I claim as my invention, and desire to secure by Letters Patent, is—

As a new article of manufacture and trade, the improved pail or tub protector herein described, consisting of a thin sheet of veneer or scale board, wrapped or bent into a circular form, tapering toward one end, which is adapted to be set into a pail and rest upon the bottom, while a second pail is nested into the upper end of said protector, and wholly covered thereby, for the purpose set forth.

JOHN BOUSFIELD.

Witnesses:

J. H. BURRIDGE,
A. F. CORNELL.