

J. J. ROBINSON.
Barrel-Heads.

No. 149,792.

Patented April 14, 1874.

Fig. 1.

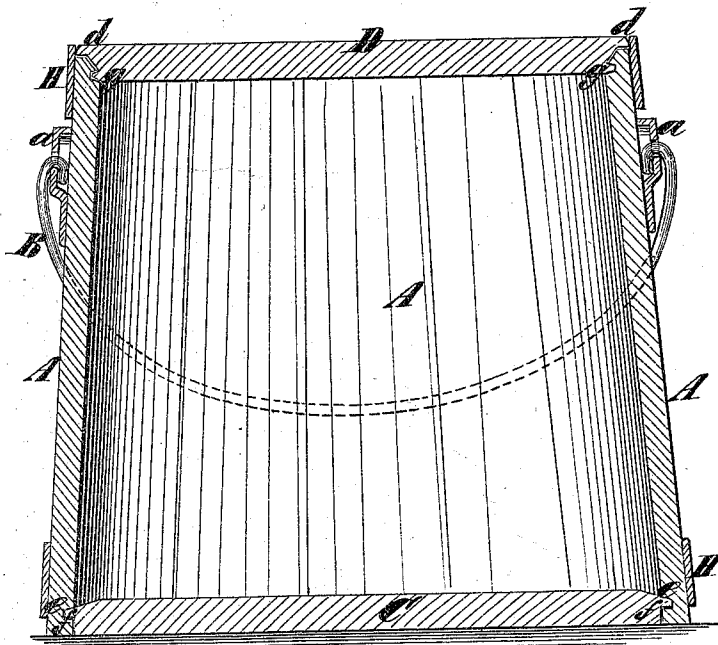
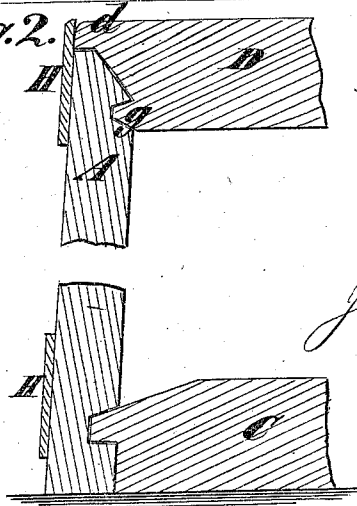


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

JOHN J. ROBINSON, OF BELLEVILLE, NEW JERSEY.

IMPROVEMENT IN BARREL-HEADS.

Specification forming part of Letters Patent No. 149,792, dated April 14, 1874; application filed February 7, 1874.

To all whom it may concern:

Be it known that I, JOHN J. ROBINSON, of Belleville, in the county of Essex and State of New Jersey, have invented certain Improvements in Barrel-Heads, of which the following is a specification:

Wooden vessels are in many respects preferable for holding provisions; but they are subject to the objections of wasting considerable space on account of the manner in which it has hitherto been customary to arrange their bottoms at a considerable distance above the ends of their staves; and, also, when thus secured, being devoid of any support, save what they have in the croze in their staves, they will not admit of having their contents rammed into them, as it is often necessary to do with butter and lard during cold winter weather.

This invention consists in a novel construction of a pail, keg, or cask having its head formed with a flange which fits into the croze, and a projection above the flange for bearing upon or overlapping the top edge of the staves.

In the accompanying drawing, Figure 1 is a central vertical section of a butter-pail, made in accordance with this invention; and Fig. 2 is a detail view, on an enlarged scale, illustrating the mode of fitting the bottom and head in place.

The body of the pail, as usual, is composed of a series of staves, A A, held together by hoops H H. It is furnished at opposite ends with lugs or bearings *a a*, into which the ends of a bail, B, hook, and are thereby fastened to the pail. The bottom of the pail has a flange or rim, *f*, near its upper face to fit the croze *e* in the staves A A, and extends downward flush with, or it may be slightly beyond, the ends of the staves. The croze *e* is made considerably nearer the ends of the staves than usual, so that more space is obtained within the pail than formerly. Besides this, the bottom is afforded a solid support whenever set

down, and therefore the butter, lard, or other provisions of like character, that become hard in cold weather, may be rammed into place without any danger of breaking or injuring the bottom of the pail, as hitherto there has been great liability of doing. This feature is of great value, as it obviates all the expense incurred from the breakage of the parts in this operation of ramming in the contents, and besides affords additional space inside of it with the same length of stave, and therefore causes the pail to occupy less space. The head D of the pail has at its lower edge a flange, *g*, which fits into the croze in the upper part of the staves A A, and at the upper edge has another flange, *d*, that laps over the tops of the staves, as may be seen in the drawing. This upper flange improves the joint, but this is not the main object of it. It is designed to afford convenient provision for inserting a knife or like instrument under it to withdraw it from the pail.

When the head is fitted into the pail in the ordinary way it is difficult to insert a knife under it to remove it from the pail, and the staves have to be forced farther apart to allow this. When the head is inserted in place, the upper hook is driven down to tighten the staves around it. The head thus made and fitted in place affords to the pail a flush top, and gives the pail a greater capacity than an ordinary one.

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

The head D, having the flange *g* fitting into a groove in the staves of the vessel, and a flange, *d*, overlapping the top edges of the staves, constructed and combined substantially in the manner and for the purpose specified.

JOHN J. ROBINSON.

Witnesses:

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