

H. C. JONES.
Grain-Baskets.

No. 142 341.

Patented September 2, 1873.

Fig. 1.

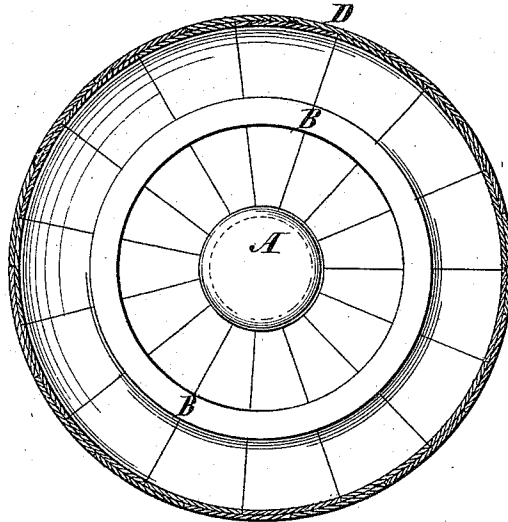
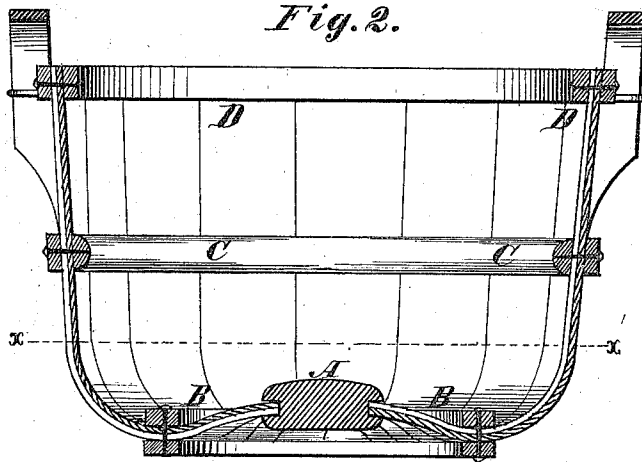


Fig. 2.



Witnesses.

*Orlando Jordan,
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Horace C. Jones

UNITED STATES PATENT OFFICE.

HORACE C. JONES, OF DOWAGIAC, MICHIGAN.

IMPROVEMENT IN GRAIN-BASKETS.

Specification forming part of Letters Patent No. **142,341**, dated September 2, 1873; application filed May 20, 1872.

To all whom it may concern:

Be it known that I, HORACE C. JONES, of Dowagiac, in the county of Cass and State of Michigan, have invented a certain Combination Improvement in Stave Baskets, of which the following is a specification, and which, with the accompanying drawings, Figures 1 and 2, will enable others skilled in the manufacture of stave baskets to understand and apply said invention.

Said invention relates to such baskets as are made of either one or two series of staves, which overlap each other, and consists of a combination of a disk, A, of wood or metal, with a groove cut or cast into its outer edge or periphery, and constituting the center of the bottom of the basket, with the tapering lower ends of the series of staves inserted into said groove, and also with the bottom inside and outside hoops B B as aids for securing said tapering ends in their places in said grooves. This combination thus secures said tapering ends of the staves in their places in said groove without the aid of other fastenings, and thereby dispenses with nails or rivets in said disk, or bands or hoops around its periphery, as means for retaining said tapering ends in said groove. It also diminishes the quantity of material in and the weight of the basket, and enables the manufacturer to use in its construction shorter sections of the lumber of which staves are made than can be used when the staves extend from the rim of the basket down through its bottom and thence upward to the rim, as in ordinary baskets. It also enables the manufacturer to use remnants of material which in the manufacture of any stave baskets heretofore in use would be lost or valuable only as fuel, as well as to save a portion of the nails or rivets ordinarily used, and the time required for using them.

In the accompanying drawings, Figure 1 presents a horizontal section, on the line *x x* of Fig. 2, of the inside of a basket in which this invention is represented, A indicating said

disk; B B, the inside bottom hoop and the position of the outside bottom hoop which is opposite it; C C, the inside middle hoop; and D D, the rim of the basket.

Fig. 2 represents a vertical transverse (half) section of the basket, including the half of said disk A, showing the groove in its periphery. The position of the hoops is indicated by the letters of Fig. 1. The line *x x* indicates the points from which the staves are bent inward to form the bottom.

The main or perpendicular portion of a basket made according to this specification may be made as represented, or in any well-known practical way; but the lower ends of all the staves are tapered and terminated in the groove of said disk, which, with the aid of said bottom hoops, which are secured in place by nails or rivets through them and the intervening staves, holds said tapered ends firmly in said groove without other fastening, as hereinbefore set forth. The lower portions of all the staves are evenly tapered from at or near the line *x x*, so as to match with each other by their tapered edges, and all tend toward the center of the disk, and thus make even surfaces of both the inside and outside of the bottom of the basket. The disk may be of any proper size, and, if of wood, may be made of any remnant of lumber which will afford the required strength; and the smaller it is, down to any size which will afford that strength, the smaller may be the remnants used in making it. It is solid, except as the groove cuts into its periphery, and either of its surfaces may be plane, convex, or concave.

What I claim is—

A basket made by the combination of the solid grooved disk A, hoops B, and tapered staves D, all substantially in the manner herein shown and described.

HORACE C. JONES.

Witnesses:

JOSEPH B. CLARKE,
ORLAN L. JORDAN.