

(No Model.)

T. L. LEE.
VENTILATED BARREL.

No. 310,141.

Patented Dec. 30, 1884.

Fig. 2.

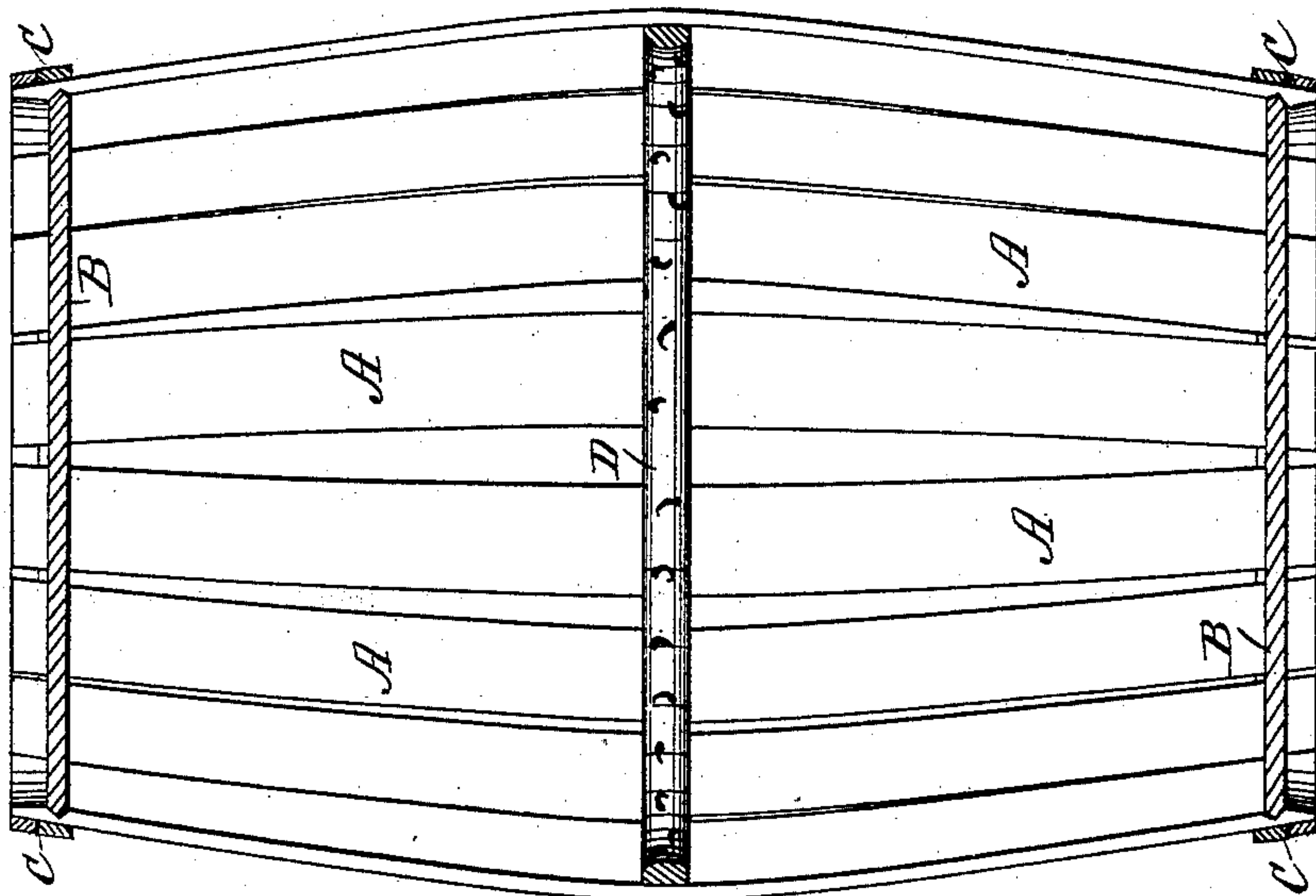
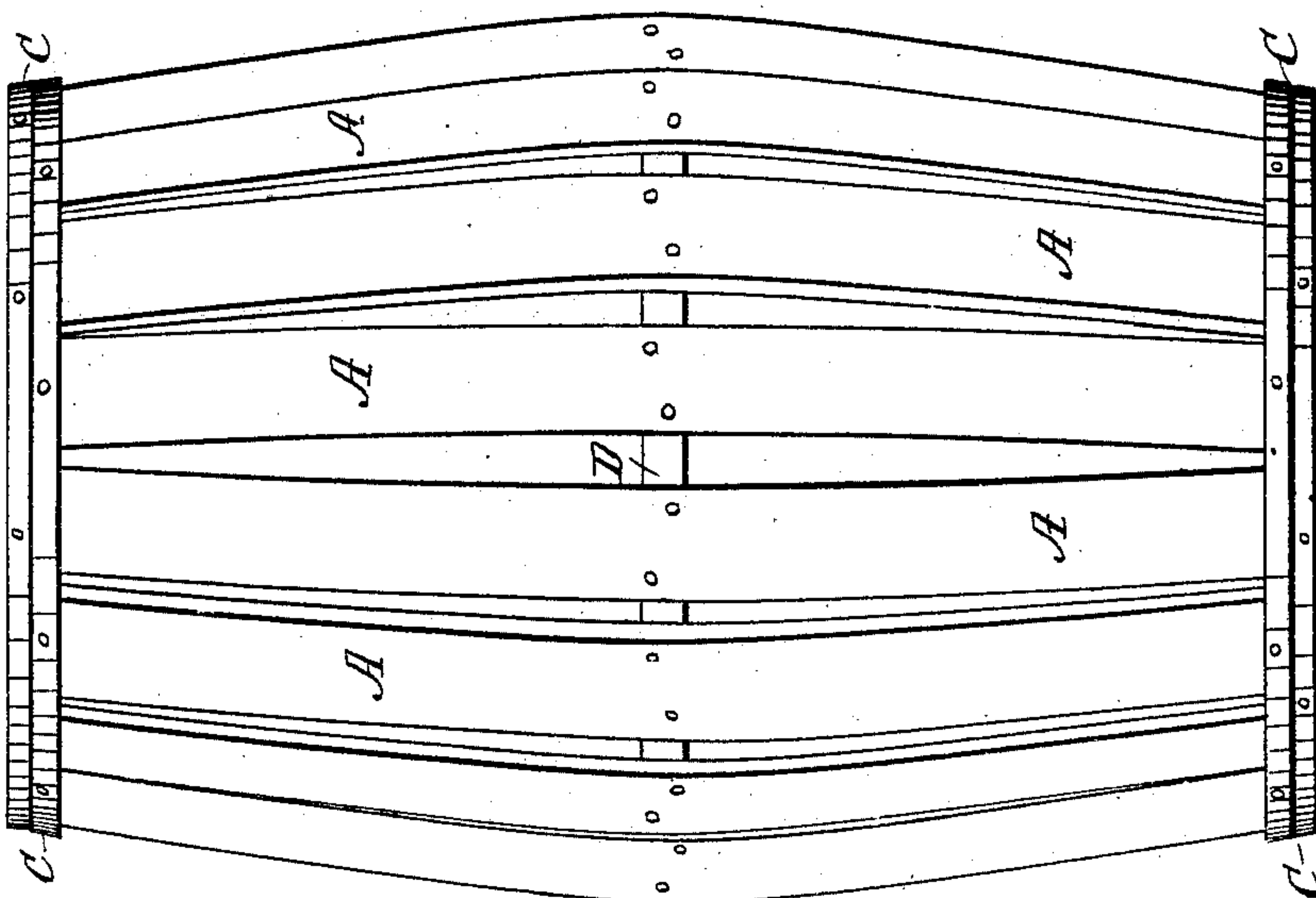


Fig. 1.



WITNESSES:

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THOMAS L. LEE, OF MEMPHIS, TENNESSEE.

VENTILATED BARREL.

SPECIFICATION forming part of Letters Patent No. 310,141, dated December 30, 1884.

Application filed August 6, 1884. (No model.)

To all whom it may concern.

Be it known that I, THOMAS L. LEE, a citizen of the United States, residing at Memphis, in the county of Shelby and State of Tennessee, have invented certain new and useful Improvements in Ventilated Barrels, of which the following is a description.

Figure 1 is a vertical side elevation, and Fig. 2 is a vertical longitudinal central section.

The object of my invention is to provide a simple, cheap, and serviceable form of ventilated barrel for the shipment of fruits and vegetables; and to this end it consists in a bulged barrel composed of heads, external end hoops, a middle inside hoop, plain straight staves of uniform width sprung around the middle hoop, to form the bulge, the said staves being spaced and nailed to the middle hoop and the nails clinched, as described.

In the drawings, A represents the staves, B the heads, C C the outside end hoops, and D the inside middle hoop, of my improved barrel. This inside hoop is made larger than the outside end hoops, and to it the staves are first fastened by being separately spaced and nailed thereto, which nails are clinched on the inside of the barrel by a metal-faced former-disk, as shown in my application for a patent, No. 138,038, filed July 18, 1884, upon which application Letters Patent No. 307,313 have been granted subsequent to the filing of the present case. After the staves are nailed to the middle inside hoop and the barrel is removed from the former, the ends of the straight staves are drawn together by a rope, as usual, and

the outside hoops put on, first at one end and then at the other, and the heads put in, the inside hoop serving to give the bend to the straight plain staves to form the bulge in the barrel. To prevent mutilating the contents of the barrel, this inside hoop is made rounding, as shown, so that there shall be no sharp corners to cut or scar the fruits or vegetables.

I am aware of the fact that it is not new to form a barrel with an inside hoop at the middle, which is seated in a transverse groove in the staves, as shown in the patent to Burchard, March 16, 1878. In this case, however, the staves are not nailed and held rigidly the proper distance apart, and the staves themselves are very much weakened by the transverse grooves. With my construction straight staves may be used, and the cost of the barrel is very much reduced and a stronger and better barrel is produced, and it can, by the aid of the former described in my previous application, be readily constructed by cheap and unskilled labor.

Having thus described my invention, what I claim as new is—

A bulged barrel composed of heads, external end hoops, a middle inside hoop, and plain straight staves of uniform width sprung around the middle hoop to form the bulge, the said staves being spaced and nailed to the middle hoop and the nails clinched, as described.

THOS. L. LEE.

Witnesses:

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