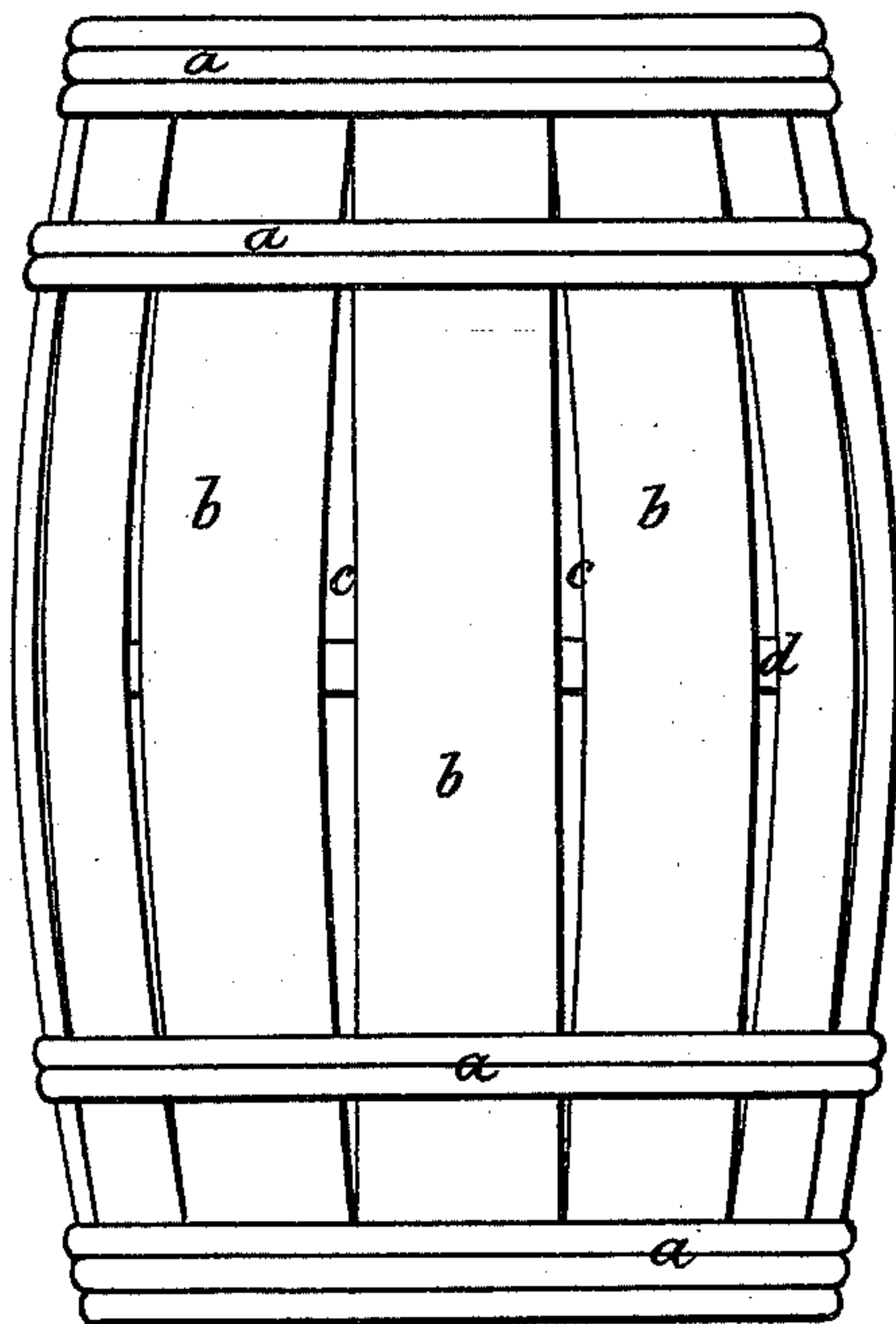


D. WRIGHT.  
BARRELS.

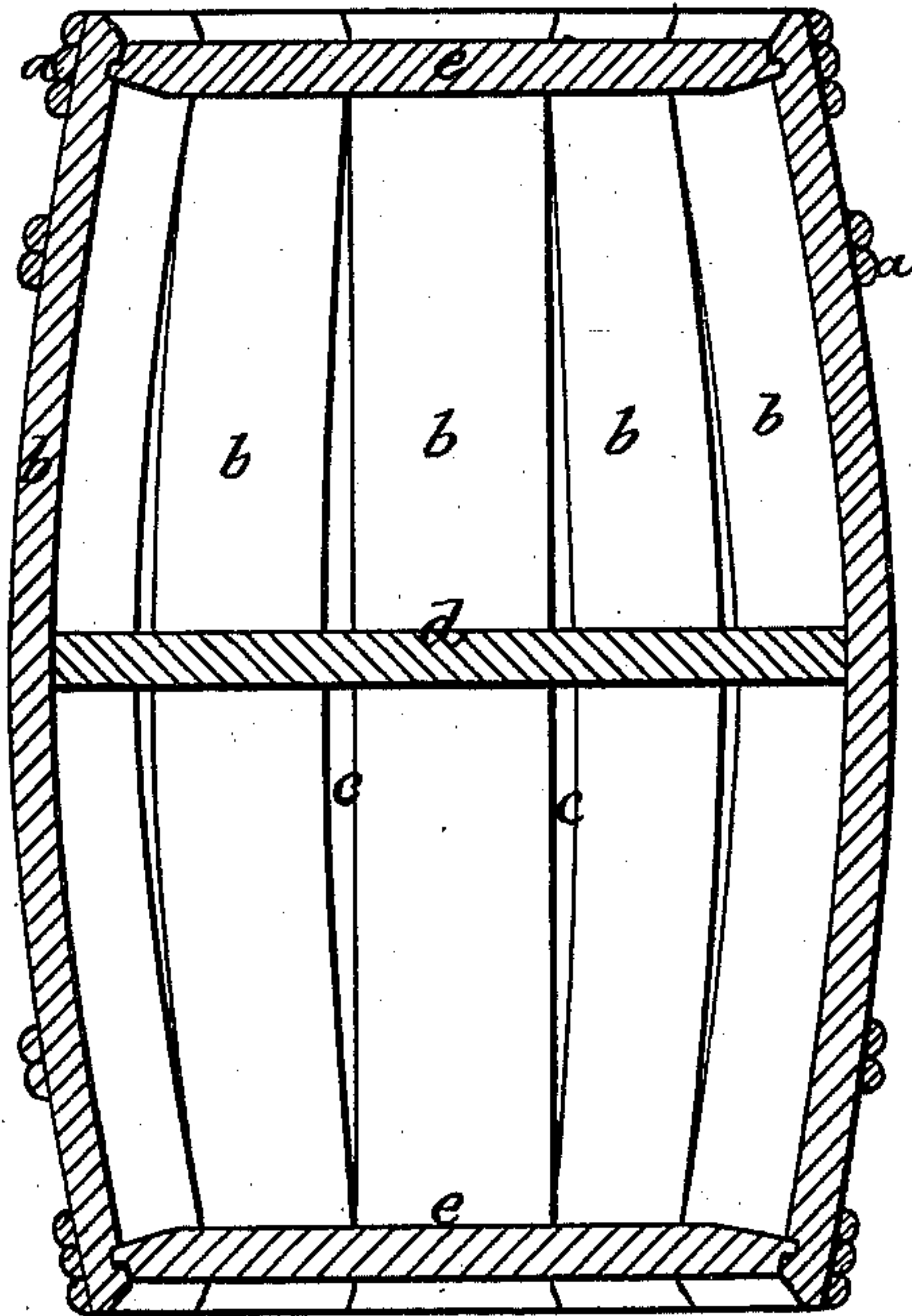
No. 171,077.

Patented Dec. 14, 1875.

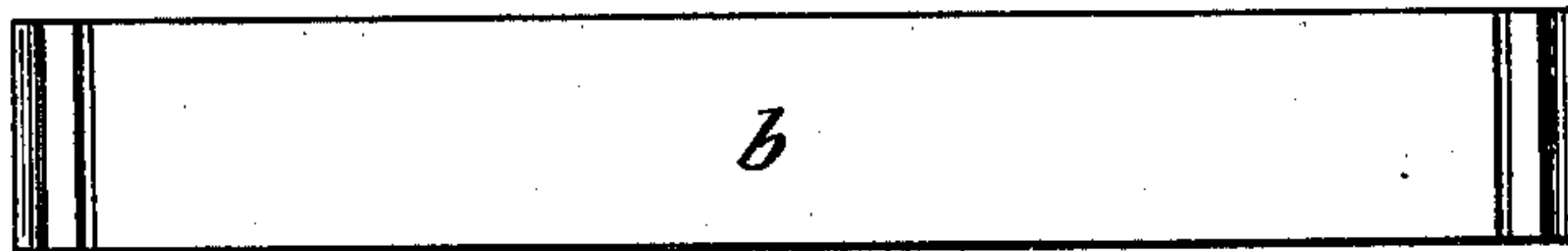
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*  
*W. B. Masson*  
*Edmund Masson*

*Inventor:*  
*D. Wright*

# UNITED STATES PATENT OFFICE.

DAVID WRIGHT, OF AUBURN, NEW YORK.

## IMPROVEMENT IN BARRELS.

Specification forming part of Letters Patent No. **171,077**, dated December 14, 1875; application filed December 2, 1875.

*To all whom it may concern:*

Be it known that I, DAVID WRIGHT, of the city of Auburn, in the county of Cayuga and State of New York, have invented a new and useful Improvement in Barrels, which improvement is fully set forth in the following specification, reference being had to the accompanying drawings, of which—

Figure 1 represents a side view of a barrel, in the formation whereof straight-edged staves of equal width throughout their whole length were used, and in which there are vacant spaces between the edges of the staves thereof. Fig. 2 represents a central vertical section of the barrel. Fig. 3 represents one of the staves of such barrel.

*a* represents the hoops of the barrel. *b* represents the staves thereof. *c* represents the vacant spaces between the edges of the staves. *d* represents the partition; and *e* represents the heads of the barrel.

The objects of my invention are, among other things, first, to allow two parcels of the same or of different kinds or varieties of fruit, vegetables, or other materials to be transported in the same barrel, and yet be kept distinct and separate; second, to lessen the pressure of the contents of the barrel upon the part or portion thereof which shall be in the lower part of the barrel for the time being; third, to cause a vacant space or opening to exist between the edges of the staves for the purpose of ventilation.

My improved ventilated barrel, thus divided into two compartments, is illustrated by Figs. 2 and 3 of the accompanying drawings.

In forming my improved barrel, if it is intended to be ventilated, I use staves of any kind of wood or other suitable material, made with straight edges, and of equal width throughout their whole length, one of which is represented by Fig. 3 of the accompanying drawings.

In making the partition between the two portions of the barrel, which it is intended to separate, I use a piece or pieces of board, or of other suitable material, substantially of a circular form, made larger in diameter than

the heads of the barrel, the difference between the diameters being determined by the width of the spaces desired to be left between the staves when the barrel shall be set up ready for use. This partition is secured in place by the pressure of the staves upon and against the circumference thereof, caused by driving the hoops which shall be nearest thereto home; and the heads of the barrel being less in diameter than the partition the diameter of the barrel must necessarily be the greatest at the place of partition, and as the diameter commences to lessen from that point toward the heads of the barrel, the result must be that the partition will be held in immovable so long as the hoops nearest thereto shall remain well driven home. In other respects, I make my improved barrel in the ordinary manner.

My improved barrel may also be made with separate compartments, without spaces between the edges of the staves; but in that case straight-edged staves of equal width in all parts cannot be used, but staves widest at the point, where they will press against the partition, must necessarily be used, so as to encircle a partition at that point larger in diameter than the heads of the barrel; but when it is desired to have the barrel ventilated I prefer to use straight-edged staves, as such may be more cheaply made; yet my ventilated barrel may be made with staves which shall be wider at the point of contact with the partition than at the ends.

When I use the term "barrel" in this specification I intend to use it in a generic sense, and to include casks and kegs of whatever material or whatever may be the size or capacity thereof.

What I claim as my invention is—

A barrel containing a partition or division, dividing the same into two separate and distinct departments, with vacant spaces between the edges of the staves thereof, substantially as above described.

D. WRIGHT.

Witnesses:

EDMUND MASSON,  
WALTER MASSON.