

No. 797,552.

PATENTED AUG. 22, 1905.

G. H. BROWN.
VENTILATED BARREL.
APPLICATION FILED OCT. 29, 1904.

2 SHEETS—SHEET 1.

Fig. 2.

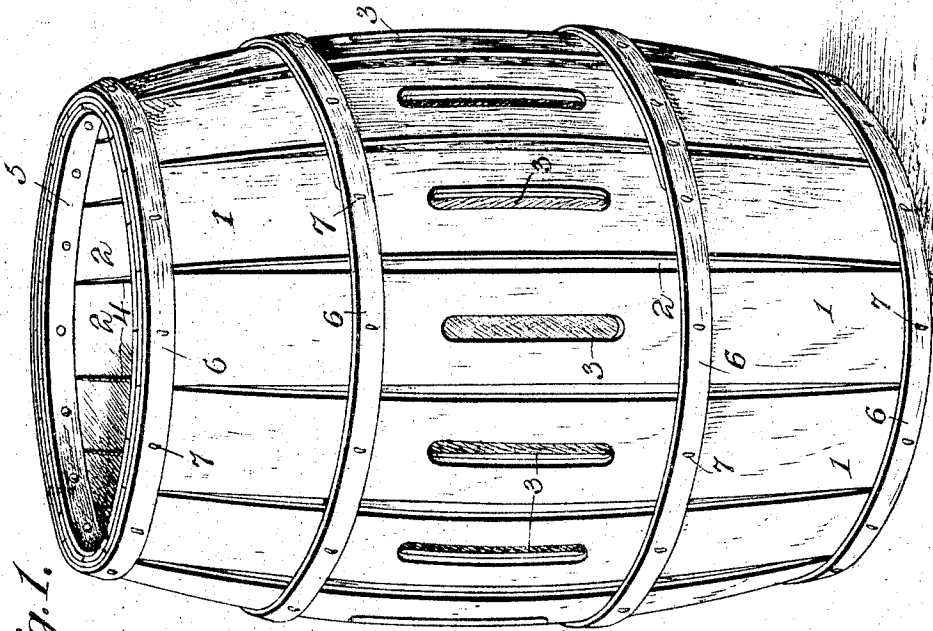
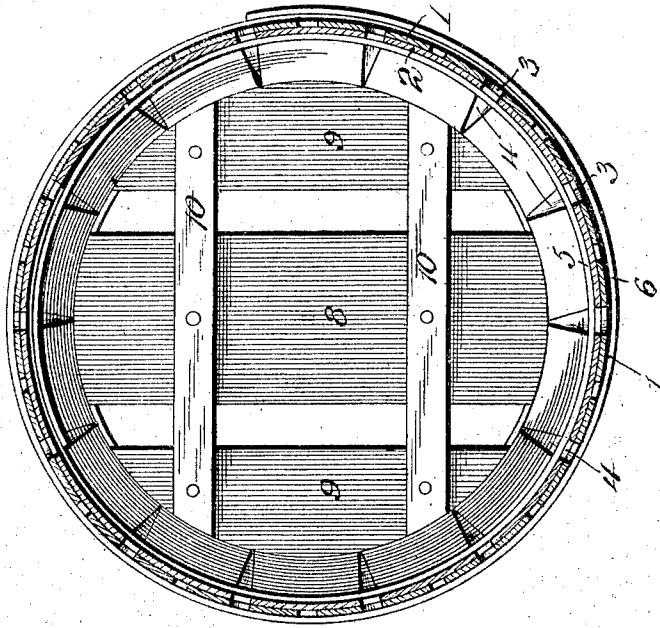


Fig. 1.

Witnesses

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Fig. 4.

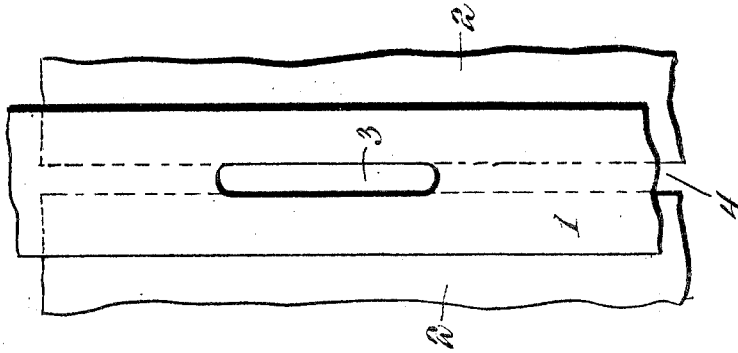
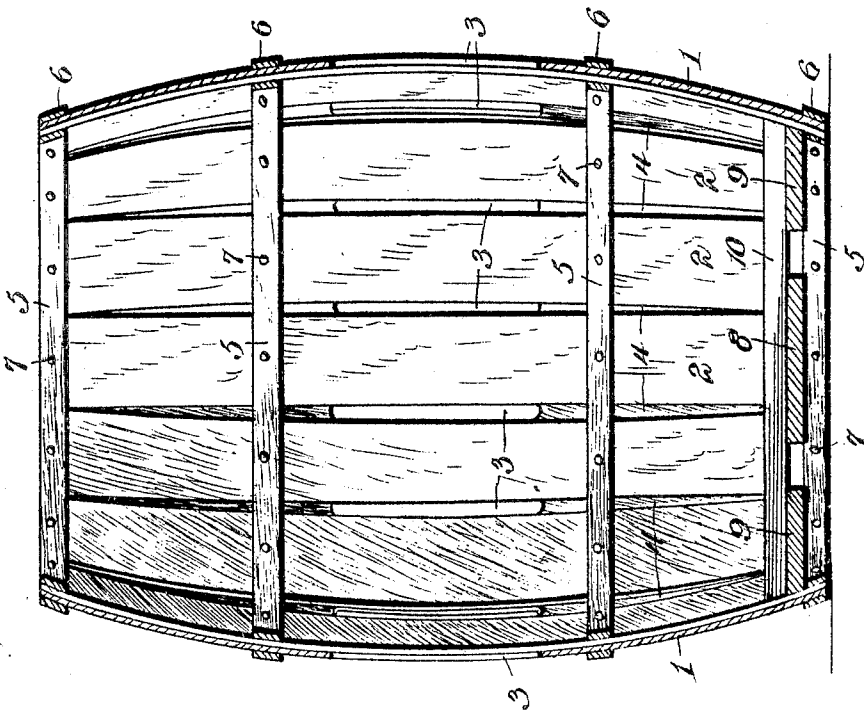


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE HENRY BROWN, OF NORFOLK, VIRGINIA.

VENTILATED BARREL.

No. 797,552.

Specification of Letters Patent.

Patented Aug. 22, 1905.

Application filed October 29, 1904. Serial No. 230,552.

To all whom it may concern:

Be it known that I, GEORGE HENRY BROWN, a citizen of the United States, residing at Norfolk, in the county of Norfolk and State of Virginia, have invented a new and useful Ventilated Barrel, of which the following is a specification.

The invention relates to improvements in ventilated barrels.

The object of the present invention is to improve the construction of ventilated barrels and to provide a simple and comparatively inexpensive one, designed particularly for shipping garden produce and adapted to permit the ready escape of sweat and moisture.

A further object of the invention is to provide a light, strong, and durable barrel adapted to be easily constructed and having its ventilated openings so arranged that they will not become clogged or closed by the contents of the barrel.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended, it being understood that various changes in the form, proportion, size, and minor details of construction within the scope of the claims may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a ventilated barrel constructed in accordance with this invention. Fig. 2 is a horizontal sectional view of the same. Fig. 3 is a vertical sectional view of the barrel. Fig. 4 is an enlarged detail view illustrating the arrangement of the inner and outer staves.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

The body of the barrel is composed of two sets of veneer staves 1 and 2, one set being arranged within the other, as clearly shown in Fig. 2 of the drawings. The outer staves 1, which are spaced apart slightly, have straight parallel side edges, and when the staves are bowed to form the bilge of the barrel a tapering intervening space is provided, as clearly shown in Fig. 1. The outer staves are provided at the center with vertical ven-

tilating slots or openings 3, which are located between the middle hoops of the barrel and which are adapted to permit the escape of sweat and moisture from the contents of the barrel. The inner staves 2, which have parallel side edges, cover the intervening spaces between the outer staves to provide a barrel of great strength and durability, and they are spaced apart, the intervals or spaces between the inner staves 2 being located opposite or in register with the ventilating-openings of the outer staves. These intervening spaces between the inner staves are covered beyond the ventilating-openings, and they form inner vertical grooves or ducts 4, which communicate with and extend upward and downward from the ventilating-openings to permit air to pass upward and downward from the ventilating-openings into the barrel, whereby the contents are thoroughly ventilated. These grooves or ducts also permit the escape of the sweat and moisture from the contents of the barrel. The barrel, which is especially designed for shipping spinach, kale, and other garden produce, has the ventilating-openings offset from the inner faces of the inner staves, so that the contents of the barrel will not cover or close the ventilating-openings and expose only a small portion of the contents of the barrel to the atmosphere.

The barrel is provided with inner and outer hoops 5 and 6, arranged at the ends and at opposite sides of the middle of the barrel and secured to the staves by fastening devices 7, which are driven through the parts from the interior of the barrel and clenched on the exterior thereof, as clearly indicated in Fig. 1 of the drawings. The middle hoops are spaced from the ends of the slots or openings 3, which may be of any desired length. The bottom of the barrel is composed of central and side pieces 8 and 9, spaced apart and connected by cleats 10. The top of the barrel is designed to be covered with a piece of coarse fabric in the usual manner; but any other desired form of head or cover may be used.

It will be seen that the barrel is exceedingly simple and inexpensive in construction, that it is especially adapted for handling spinach, kale, and similar garden produce, and that the ventilating-openings and the inner grooves or ducts which communicate with the openings are arranged to ventilate the barrel from the top to the bottom thereof. Also it will

be clear that the ventilating means will not be clogged or rendered inoperative by the contents of the barrel.

In practice the inner set of staves will be of a width less than the outer staves to provide intervening ventilating channels or ducts of the desired width.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A ventilated barrel, comprising inner and outer staves having intervening spaces between them, the outer staves being provided with central ventilating-openings, and the inner staves being arranged to cover the intervening spaces between the outer staves and having their intervening spaces located at the ventilating-openings and forming grooves or ducts.

2. A ventilated barrel, comprising inner and outer staves having intervening spaces between them, the outer staves being provided with central ventilating-openings, and the inner staves being arranged to cover the intervening spaces between the outer staves and having their intervening spaces located at the ventilating-openings and forming grooves or ducts, said grooves or ducts extending up-

ward and downward from the ventilating-openings, and inner and outer hoops secured to the staves.

3. A ventilated barrel comprising inner and outer sets of veneer staves, each stave having parallel side edges, the outer staves being spaced apart and bowed forming a tapering intervening space between each pair of staves, and having vertical ventilating-slots at or near the centers of each of the outer staves, the inner staves being of less width than the outer staves and likewise bowed and spaced apart to form a tapering intervening space between each pair of inner staves, the two sets of staves being held in close contact, and the intervening spaces between the inner staves being located in register with the ventilating-openings of the outer staves, while the intervening spaces between the outer staves are covered by the inner staves.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE HENRY BROWN.

Witnesses:

J. W. STEEL,
J. C. TITUS.