T. C. VEALE.

Combination Barrel.

No. 207,917. Patented Sept. 10, 1878.

Fig. 1.

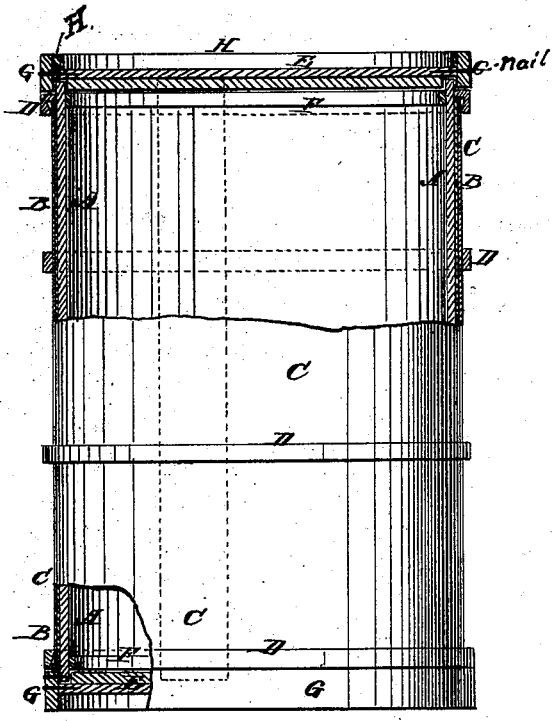
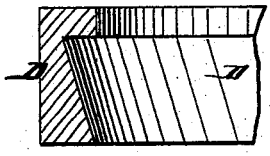


Fig. 2.



WITNESSES:

Francis McArdle.

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INVENTOR:

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UNITED STATES PATENT OFFICE.

THOMAS C. VEALE, OF NEW YORK, N. Y., ASSIGNOR TO MARY K. VEALE, OF JERSEY CITY, N. J.

IMPROVEMENT IN COMBINATION-BARRELS.

Specification forming part of Letters Patent No. **207,917**, dated September 10, 1878; application filed December 20, 1877.

To all whom it may concern:

Be it known that I, THOMAS C. VEALE, of the city, county, and State of New York, have invented a new and useful Improvement in Combination-Barrels, of which the following is a specification:

Figure 1 is a side view of my improved barrel, parts being broken away to show the construction. Fig. 2 is a detail cross-section of one of the rabbeted hoops enlarged.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with the drawing, and then pointed out in the claims.

The foundation A of the barrel is made of a single thickness of veneer, of any desired thickness, and in one or more pieces, the edges of which are jointed to each other, and the joints or seams are covered upon the outside with strips of muslin cemented to the veneer.

The barrel A is covered with a coating, B, of cement, glue, or other suitable adhesive, and is then wrapped with paper, C, which has been coated or saturated with cement long enough to have swelled.

The paper C is applied with a gentle pressure, to bring its inner surface into close contact with the cemented outer surface of the veneer A, and it is then painted or lacquered to make it water-proof. Hoops D are then applied to the barrel, the number of which must depend upon the size of the barrel and the substance to be put into it. The end hoops, D, are placed at a little distance from the ends of the barrel A, and are rabbeted upon the inner parts of their inner or concave sides, to receive, cover, and protect the edges of the paper C.

The bodies E of the covers or heads of the barrel are formed of two thicknesses of heading or veneer of different diameters, the diameter of the inner thickness being such as to fit into the ends of the barrel A, and rest and fit upon the hoops or bands F, attached to the inner surface of the said barrel A, near its ends. The diameter of the outer thickness is equal to the outer diameter of the barrel A, so as to rest upon the end edges of the said barrel A.

To the edges of the outer thickness E is attached a band, G, of such a breadth that its inner edge may rest and fit upon the edge of the end hoop, D, and that its outer edge may project to about an equal distance beyond the outer surface of the outer thickness of the heads or covers E.

In the angle between the head or cover E and the band G is secured a band, H, which forms the chine of the cover, and the chine of the barrel when the said cover is in place. The covers or heads are secured in place upon the barrel by clamps, nails, or other suitable means. These covers effectually prevent any pulverized substance from leaking out, as it would have to turn five angles before it could escape.

With this construction the inner thickness E of the heads and the inner hoops, F, strengthen the barrel against side pressure, and the outer thickness E and the bands G strengthen it against an end pressure, thus making the barrel firm and strong.

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

1. The rabbeted hoops D, in combination with the barrel A B C, to cover and protect the edges of the paper C, substantially as herein shown and described.

2. The cover or head formed of the two thicknesses E, of wood, of unequal diameter, the band G, and the chine band or hoop H, in combination with the end of the barrel A, the inner hoop, F, and the outer hoop, D, substantially as herein shown and described.

THOS. C. VEALE.

Witnesses:

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