

E. BERGER.
 RECEPTACLE FOR WINE AND SIMILAR LIQUIDS.
 APPLICATION FILED FEB. 7, 1910.

1,020,739.

Patented Mar. 19, 1912.

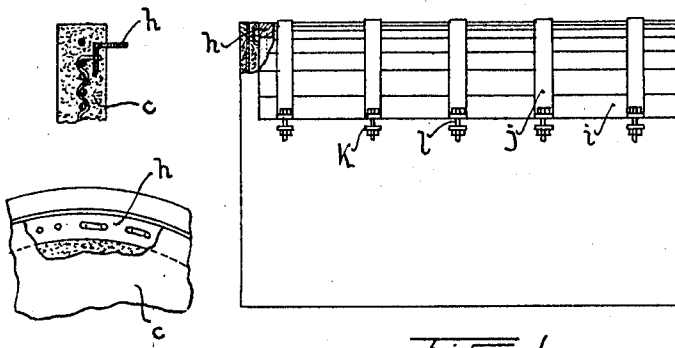


FIG. 1.

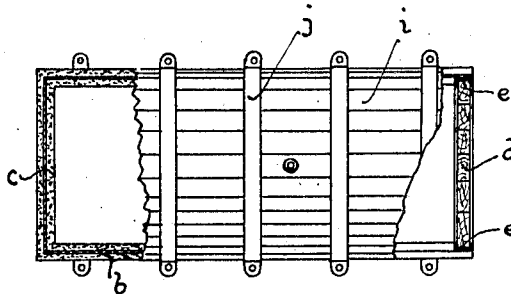


FIG. 2.

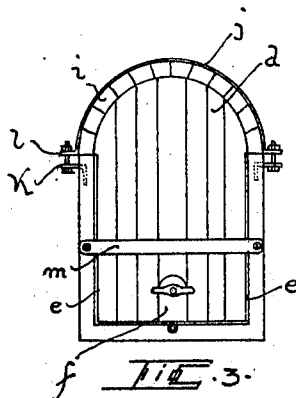


FIG. 3.

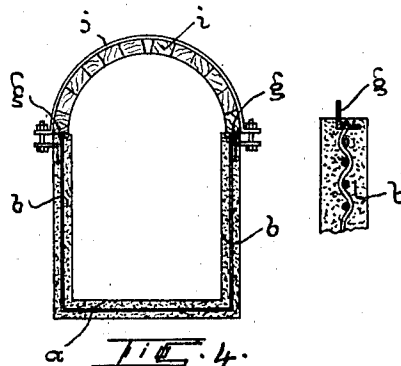


FIG. 4.

Witnesses:

For Munk
and Munk

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UNITED STATES PATENT OFFICE.

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RECEPTACLE FOR WINE AND SIMILAR LIQUIDS.

1,020,739.

Specification of Letters Patent.

Patented Mar. 19, 1912.

Application filed February 7, 1910. Serial No. 542,649.

To all whom it may concern:

Be it known that I, EMANUEL BERGER, a subject of the King of Hungary, Emperor of Austria-Hungary, residing at Tapolcza, Austria-Hungary, have invented certain new and useful Improvements in Receptacles for Wine and Similar Liquids, of which the following is a specification.

It has been proposed to use in lieu of wooden barrels for wine, casks and the like made of cement. Such cement casks however prevent the air from getting at the wine, their walls not being porous; the contents of the cement casks and barrels therefore is prevented from getting ripe.

This invention relates to an improved receptacle for wine and similar liquids which is made partly of wood and partly of cement, both parts being reinforced by iron structures.

In the accompanying drawing the improved wine barrel is shown.

Figure 1 is a side elevation, Fig. 2 a ground plan view partly in section, Fig. 3 a front view and Fig. 4 a vertical cross section of the improved receptacle for wine.

The bottom *a* and the side walls *b* of the receptacle are made in the well known manner of reinforced cement. The front and rear walls can be made either entirely or partly, both or only one of the same of wood and composed of staves. As shown in the drawing the rear wall *c* could for example be made of reinforced cement and the front wall *d* of wood. In the free edges of the cement walls open frames *e* of U-irons are embedded in such a manner that they form guide-frames for the wooden walls to be inserted. In the front wall *d* of wood the bung-hole *f* is provided. A flange *g* of band iron is arranged along the upper edge of the cement walls, a reinforcement *h* embedded in concrete being arranged on the inner surface of the front and rear walls near the upper parts of the same. The open frame *e*, the band iron flanges *g* and the reinforcement *h* are secured in position by means of metal wires embedded in the cement. The

free edges of the flange *g* and of the reinforcement *h* penetrate into grooves which are provided in the lower edge of the upper wooden part of the receptacle. Said upper part is made of wooden staves in the well known manner and hoops are used for maintaining said staves in position. The lower ends of the hoops *j* are bent at right angles and fixed by means of screw bolts *l* on the angle irons *k* embedded in the side walls. To ease the wooden walls cross bars can be mounted upon the frames *e* of U-iron and intermediary plates inserted between said cross bars and the corresponding wooden wall, said intermediary plates being destined to receive the pressure and to transmit the same to said cross bars.

The shape and dimensions of the cask or receptacle can be varied according to requirement.

The improved receptacle can be used for other liquids than wine.

I claim:—

An improved cask or receptacle for wine and similar liquids, comprising a lower part the side and rear walls of which are made of reinforced cement, the front wall of said lower part made of wood and having a bung-hole, and the upper part made of wooden staves, open frames of U-iron partially embedded in the cement walls at the front ends thereof with the open portions of the frames facing the interior of the cask and engaging the wooden walls and serving as guides therefor, hoops of band iron which maintain the staves of the upper part in position, the lower ends of said hoops bent at right angles to the body of the staves, angle irons embedded in the side walls and bolts for fixing the ends of the hoops to said angle irons, substantially as described and shown and for the purpose set forth.

In witness whereof I have hereunto set my hand in the presence of two witnesses.

EMANUEL BERGER.

Witnesses:

FRIEDRICH BLUM,
HUGH KEMÉNY.