No. 616,016. Patented Dec. 13, 1898.

S. ROSS.

RUBBER CEMENT TANK.

(Application filed Apr. 15, 1898.)

(No Model.)

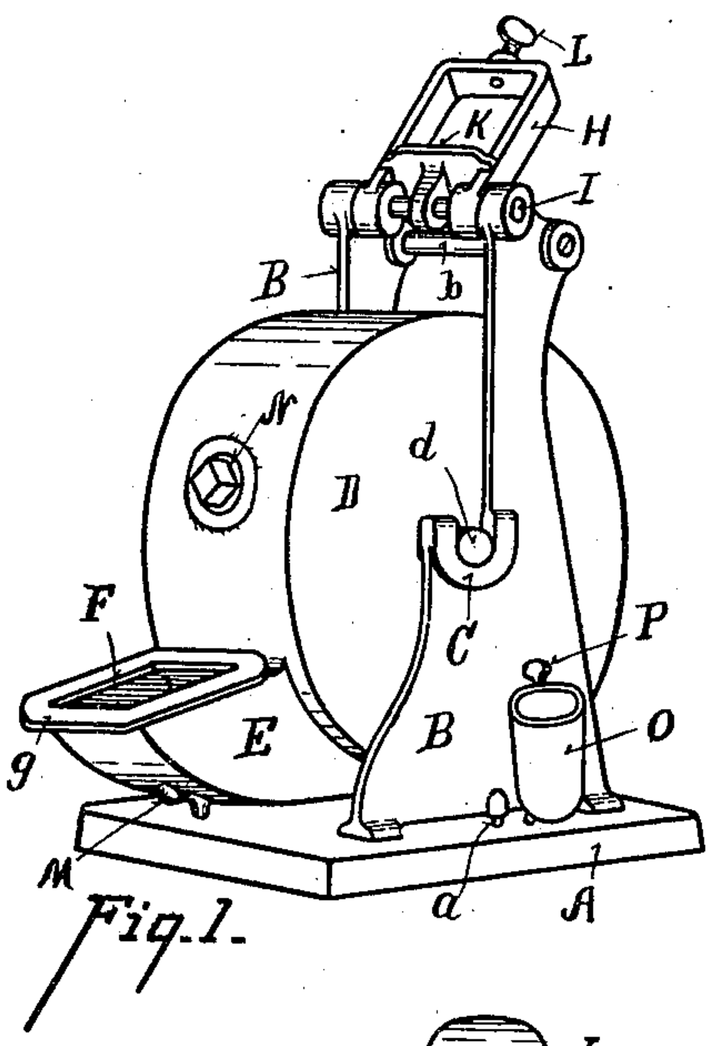

Fig. 1.

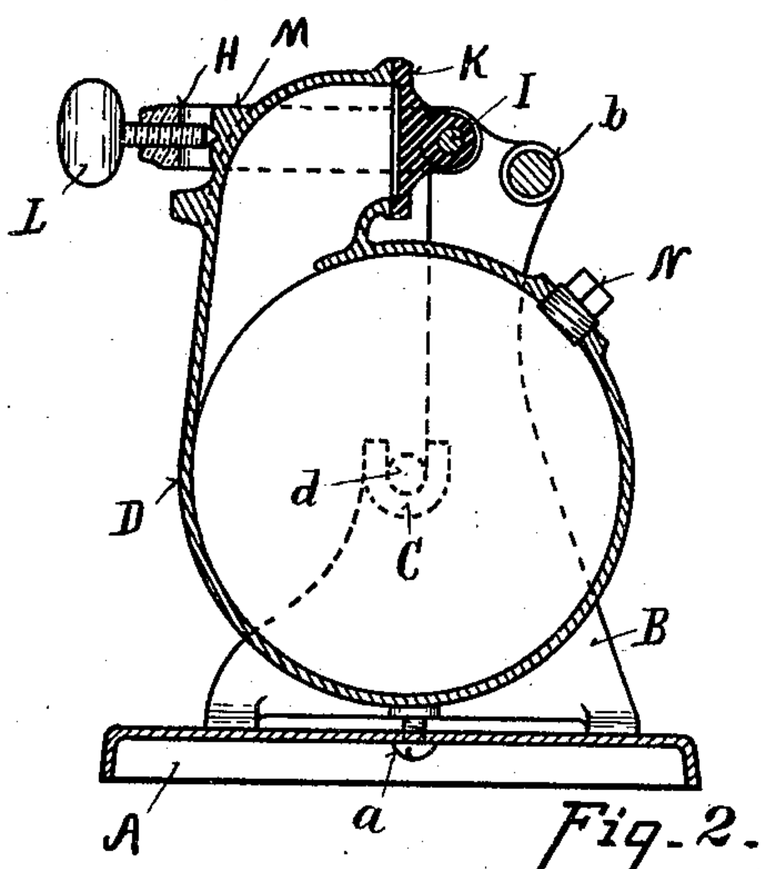

Fig. 2.

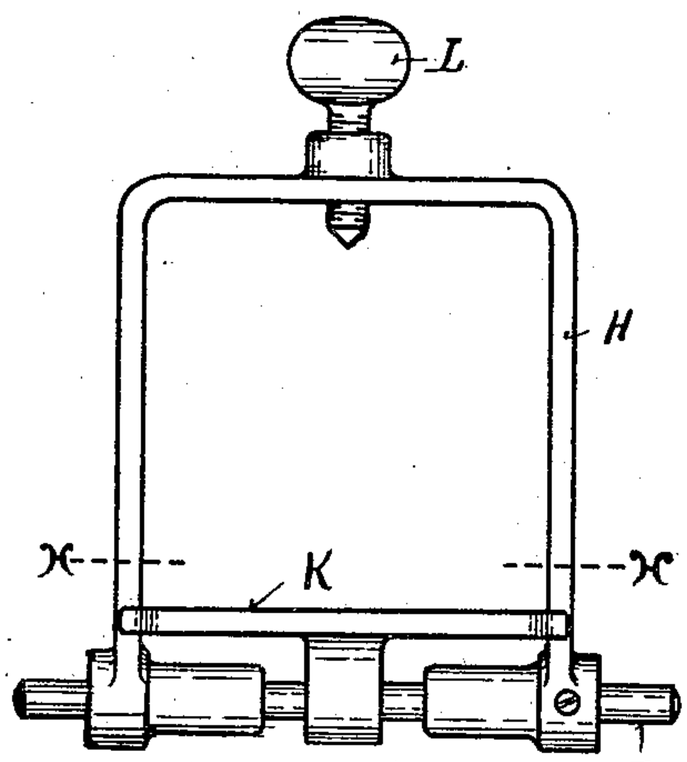

Fig. 3.

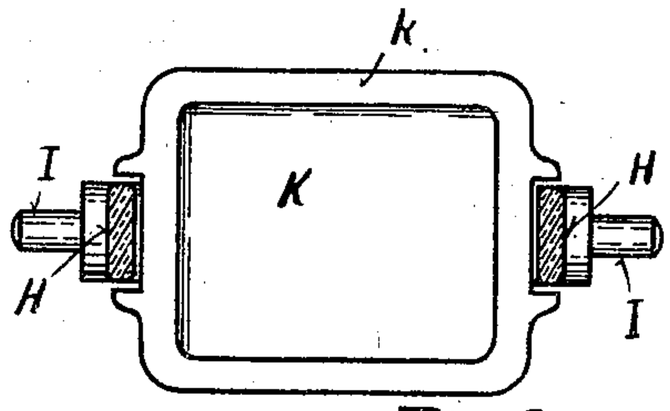

Fig. 4.

Witnesses
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SIMON ROSS, OF CINCINNATI, OHIO.

RUBBER-CEMENT TANK.

SPECIFICATION forming part of Letters Patent No. 616,016, dated December 13, 1898.

Application filed April 15, 1898. Serial No. 677,676. (No model.)

To all whom it may concern:

Be it known that I, SIMON ROSS, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Rubber-Cement Tanks, of which the following is a specification.

The object of my invention is to provide a receptacle mounted in a housing or frame and provided with a mouth which is open when the same is turned in one position and can be turned up, so that the mouth can be hermetically sealed and locked by a fastening device.

It is designed for holding liquids that are affected by evaporation, but especially for holding rubber cement, which it is well known is very volatile, explosive, and inflammable.

One of the features of my invention consists in providing a frame or housing so constructed that the receptacle is made readily detachable, so that it can be filled in a safe and expeditious manner.

The various features of my invention will be more fully set forth in the description of the accompanying drawings, making a part of this specification, in which—

Figure 1 is a perspective view of my invention. Fig. 2 is a central vertical cross-section of Fig. 1. Fig. 3 is a plan view of the fastening-yoke. Fig. 4 is a section on line *x x*, Fig. 3.

A represents the base of the frame. B represents the standards or side of the frame. These several parts are connected together by means of screws *a* and the cross-rail *b*.

C represents open journal-bearings formed on the front side of the frame-pieces B.

D represents the receptacle, which is provided with trunnions *d*, which journal in the open bearings C.

E represents a spout or mouth extension of the receptacle. It is provided with an open mouth F. *g* represents a flange or rim forming the end of this mouth extension. The outer edge of said mouth is planed true, the purpose of which will be explained.

In order that the mouth may be hermetically sealed, I preferably provide the following devices:

H represents a yoke which is mounted on a rod I.

K represents a cap loosely supported between the arms of yoke H, so as to rock laterally and thereby adjust itself automatically with the plane of the mouth of the orifice. The flange or lip *k* of said cap is made true. When the receptacle is turned up on its trunnions, the lips *g* of the mouth abut the lips of the cap.

In order to hermetically seal the mouth of the receptacle so as to prevent evaporation and inflammable gases to escape, a locking device is employed. This may be constructed in several ways; but I prefer to employ a screw L, tapping through the yoke H and engaging a shoulder M, formed on the outside of the mouth E. Any fastening device which would compress the lips *g* firmly against the lips of the cap may be employed. It is only essential that such locking device shall be sufficiently powerful to draw the parts together, so as to hermetically seal the spout or mouth.

It will be observed that in the preferred form of construction the yoke H swings on a center of its own and the mouth of the receptacle moves on a center—to wit, the trunnions *d*—which allows the cap and lips *g* of the mouth to be brought into exact parallel planes, thereby enabling the hermetical seal of the abutting metal faces.

It will also be observed that the receptacle is made readily detachable from the frame or housing by lifting the same out of its journal-bearing. This is done for the purpose of enabling it to be filled in the following manner:

N represents a screw-plug tapping into an orifice pierced in the shell of the receptacle adjacent to the opening F. When it is desired to fill the receptacle, the plug is removed and the liquid is poured into the orifice. This orifice is placed in such position that when it is turned so as to be vertically over the trunnions the mouth F will preferably be slightly higher than the filling-orifice, which allows the air to escape through said mouth as the receptacle is filled. As soon as filled the plug is inserted and the receptacle is placed in the position shown in Fig. 1 without the liquid escaping.

O represents a brush-receptacle detachably connected to the side of the frame by means of a hook P, so that the said receptacle may be removed and cleaned or filled with matter, and yet be substantially connected to the frame of the device.

Having described my invention, what I claim is—

1. In combination with a frame provided with open journal-bearings, a liquid-receptacle having a spout projection terminating in an upturned mouth and provided with trunnions seated in said bearings, said receptacle being adapted to be rocked on its centers and to be bodily inserted in the frame or removed therefrom and the combined locking and sealing device which secures the tank and hermetically seals the same when in its raised position, substantially as specified.

2. In combination with a frame having open journal-bearings formed on the side thereof, a receptacle provided with a spout-shaped mouth projecting from one side of the shell and oscillating in said frame, a cap K registering with the mouth when the same is turned up and a locking device for drawing the said mouth against the cap hermetically sealing the same, substantially as specified.

3. In combination with a frame or housing having journal-bearings formed on the side thereof, a receptacle provided with a spout-shaped mouth projecting from one side of the shell, and oscillating in said frame, a cap loosely mounted so as to register with the mouth when the same is turned up and a locking device for drawing the said parts together so as to hermetically seal the same, substantially as specified.

4. A receptacle removably journaled upon a frame, provided with a mouth extension adapted to be turned up and hermetically sealed by a locking device, formed of a loosely-journaled cap and mounted upon a yoke registering with said mouth extension and said yoke being journaled upon said frame, substantially as specified.

5. In combination with a frame, a receptacle removably journaled upon said frame, having a mouth extension, a locking device formed of a loosely-journaled cap and yoke mounted and journaled upon said frame and adapted to register with said mouth extension when turned upward to hermetically seal the same and a brush-receptacle detachably connected to the sides of the said frame, substantially as specified.

6. The combination of a frame provided with journal-bearings, a liquid-receptacle having a spout projection terminating in an upturned mouth, said receptacle provided with trunnions seated in said bearings, and a combined sealing and locking device hermetically closing the mouth of said receptacle when in a raised position.

In testimony whereof I have hereunto set my hand.

SIMON ROSS.

Witnesses:
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