(No Model.) 2 Sheets—Sheet 1.

W. J. WOODLEY.

FAUCET HOLE AND STOPPER COMBINED.

No. 362,809. Patented May 10, 1887.

Fig. 1.

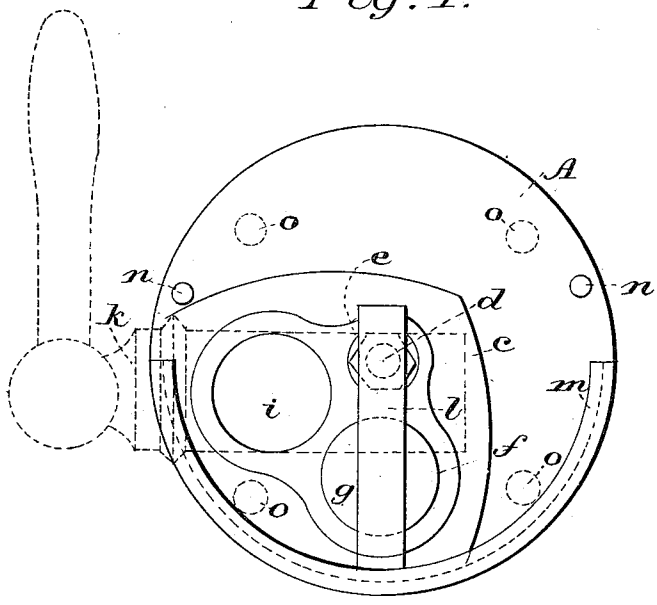


Fig. 2.

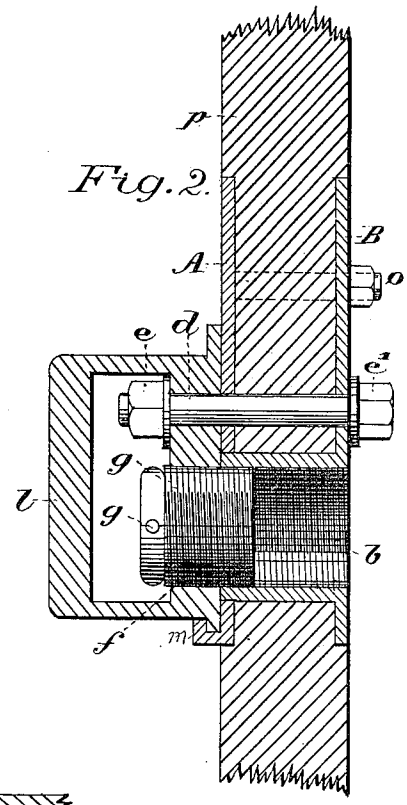


Fig. 3.

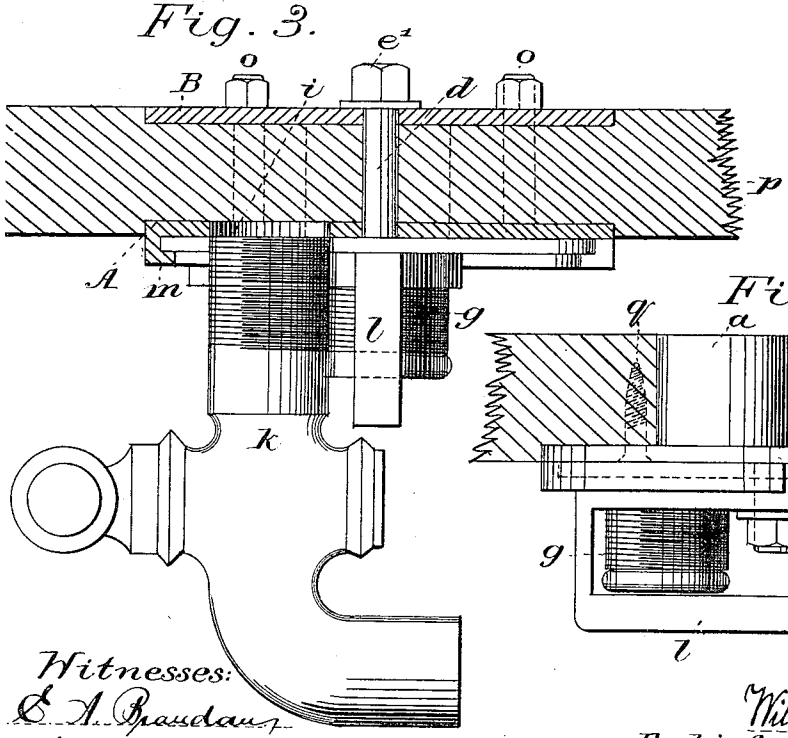


Fig. 4.

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(No Model.) 2 Sheets—Sheet 2.

W. J. WOODLEY.

FAUCET HOLE AND STOPPER COMBINED.

No. 362,809. Patented May 10, 1887.

Fig. 5.

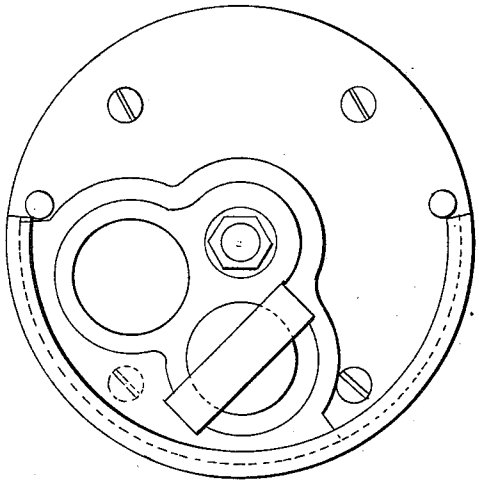


Fig. 6.

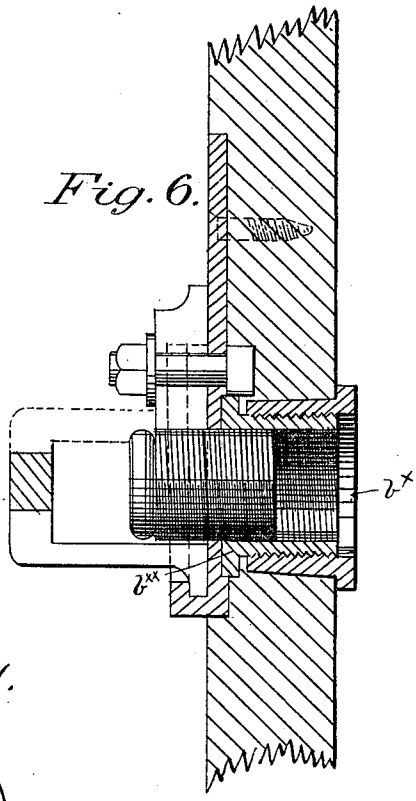


Fig. 9. Fig. 8. Fig. 7.

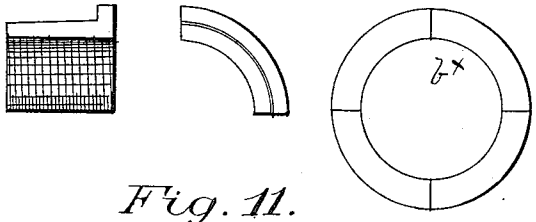


Fig. 11.

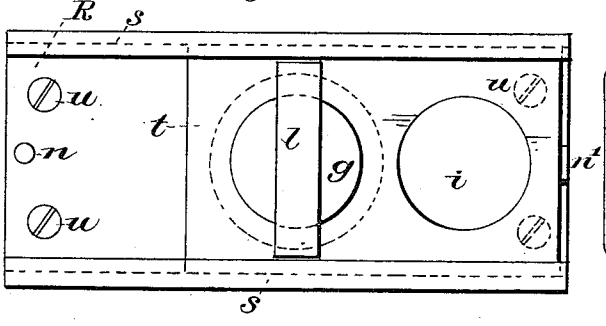
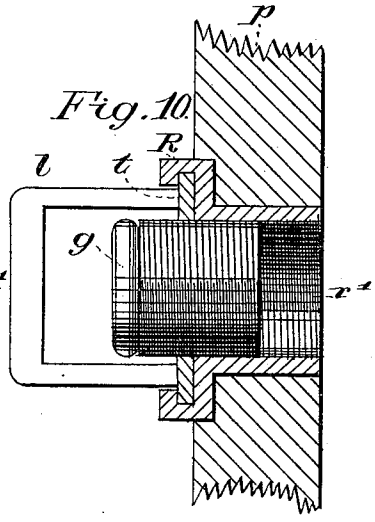


Fig. 10.



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UNITED STATES PATENT OFFICE.

WILLIAM J. WOODLEY, OF SAN FRANCISCO, CALIFORNIA.

FAUCET-HOLE AND STOPPER COMBINED.

SPECIFICATION forming part of Letters Patent No. 362,809, dated May 10, 1887.

Application filed February 12, 1886. Serial No. 191,779. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. WOODLEY, a resident of the city and county of San Francisco, State of California, have invented a new and useful Improved Faucet-Hole and Stopper Combined; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

My invention relates to a device for preventing the flow and waste of fluid while stoppering or broaching vessels containing beer, wine, or other liquids.

The following description fully explains the nature of my said invention and the manner in which I proceed to construct, apply, and use the same, the accompanying drawings being referred to by figures and letters.

Figure 1 is a front elevation of the device, showing the outer plate with a semicircular grooved flange, the adjustable movable plate with holes for stopper and faucet, the guard for stopper, and the faucet. Fig. 2 is a vertical section through Fig. 1, showing the stopper applied. Fig. 3 is a horizontal section through Fig. 1, showing the stopper out and the faucet inserted in the hole in the movable plate. Fig. 4 is a horizontal section showing the inner plate left off and the manner of attaching the outer plate. Fig. 5 is a front elevation showing another modification of the device. Figs. 6, 7, 8, 9 are views of the same. Fig. 10 is a vertical section of the device modified for application to the side of a barrel, showing the oblong plate with tube and the stopper and guard on the sliding plate. Fig. 11 is a front elevation of the same, showing the sliding plate with holes for stopper and faucet.

My device for a stopper and faucet-hole in kegs and barrels and similar vessels consists of two circular plates, one of which is let into the inner surface of the head and the other into the outer surface of the same, both plates forming an even surface with the head. The plates are attached to the head of the keg or barrel by screws or bolts *o*, which pass through them and are secured on the inside by washers and nuts. The inner plate, B, has a threaded tube, *b*, which forms part of the plate and is the hole for the faucet and the discharge of the fluid.

Referring to Fig. 1, the outer plate, A, is provided with a semicircular grooved flange, *m*, in which the adjustable movable plate *c* acts, and near the end of this flange, on each side, is a stop-pin, *n*, which controls the movement to the right or left of the movable plate. This plate, having the form shown in Fig. 1, is pivoted on a bolt, *d*, which extends through the outer and inner plates, A B, and is held rigid by a washer and nut on each end. Attached to the movable plate is a guard, *l*, for the stopper *g*, which latter is threaded. The movable plate is provided with two threaded holes—one, *f*, for the stopper, and the other, *i*, for the faucet. Around the sides of the head of the stopper there is a row of small holes, *g'*, for the spoke of a wrench to fit in and turn the stopper.

The action of the adjustable movable plate *c* is shown in Fig. 2. The stopper *g* is screwed into the hole *f*, which connects with the outer end of tube *b* of the inner plate, whereby the liquid is prevented from flowing out of the keg or barrel while it is preparing for broaching. The faucet is then inserted in the hole *i* in the movable plate, Fig. 3, and a turn to the right of the movable plate brings the end of the faucet over the tube *b*, into which the faucet is screwed, and the broaching of the vessel is completed without any flow or waste of the liquid. The faucet may at any time be withdrawn from the tube and the adjustable movable plate turned to the left against the stop-pin, which action brings the stopper over the tube *b*, into which it is screwed, and the faucet is then unscrewed from the hole *i* and removed.

This device is adapted for original application to beer or wine vessels, or to vessels for holding any fluids; but it is especially adapted for application to large wine-casks, whereby they may be readily broached without trouble or waste. I do not, however, confine myself to a device for original application to a keg, barrel, or cask, as by a simple modification the device may at any time be applied to other vessels. For example, in Fig. 4 I show a modification of my device in which I omit the inner plate, B, and have the tube *a* for the faucet and discharge attached to and forming part of the outer plate, A', the said plate being attached to the head of the keg or other vessel by wood-

screws *q*. In all other respects the construction and action in this modification are similar to the foregoing description.

Figs. 5, 6, 7, 8, 9 show another modification of the device. In this form a split socket, $b^{\times}$, is employed, into which a tube or socket, $b^{\times\times}$, is screwed from the exterior of the head. Both these parts $b^{\times}$ and $b^{\times\times}$ are formed separately from the plates. The remaining portions of the device are substantially the same in these figures (5 to 9) as has been already described.

Figs. 10, 11 show the device modified for application at any time to the side of a barrel or cask. The plate R is oblong and conforms to the shape of the vessel, and has on each side a grooved flange, *s*, for the action of the sliding plate *t*. Attached to this plate, which has holes *f i* for the stopper and the faucet, are the stopper *g* and the stopper-guard *l* which also serves to move the sliding plate. The sliding plate moves in the parallel grooved flanges, and its movement is controlled by stop-pins *n n'* on the ends of the plate R.

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

1. An improved attachment for casks, barrels, &c., consisting of a plate secured movably upon the receptacle adjacent to its outlet-opening and formed with two openings, a stopper located in one of said openings, and a faucet or spigot located in the other opening, the movements of said plate serving to bring the faucet and the spigot in operative position relative to the discharge-opening of the receptacle, substantially as described, and for the purpose set forth.

2. An adjustable plate for attachment to the head of a keg or barrel, adapted to move in a semicircular grooved flange and provided with a threaded hole for the introduction of a faucet, a threaded hole for the action of a stopper, and a stopper-guard, substantially as described and set forth.

3. The combination of circular plate A, having a semicircular grooved flange, *m*, and stop-pins *n*, circular plate B, having a threaded tube, *b*, pivot-bolt *d* for adjustable plate, and screws *o*, for attaching plates A B, with the adjustable plate *c*, having a threaded hole, *i*, for a faucet, *k*, a threaded hole, *f*, for stopper *g*, and a stopper-guard, *l*, as described, and for the purpose set forth.

4. The combination of a circular plate, A', having a threaded tube, *a*, a semicircular grooved flange, *m*, stop-pins *n*, and a pivot-bolt, *d'*, for the adjustable plate, nut *v*, for securing said plate, and wood-screws *q*, for attaching plate A' to head of keg or barrel, with the adjustable plate *c*, having a threaded hole, *i*, for a faucet, *k*, a threaded hole, *f*, for stopper *g*, and a stopper-guard, *l*, as described, and for the purpose set forth.

5. The combination, with a swinging plate having two openings in it, of a plug inserted in one opening and a faucet inserted in the other, said plate being pivoted upon the head of a vessel in such position as to cause the openings in it to register with the bung-hole, as set forth.

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