

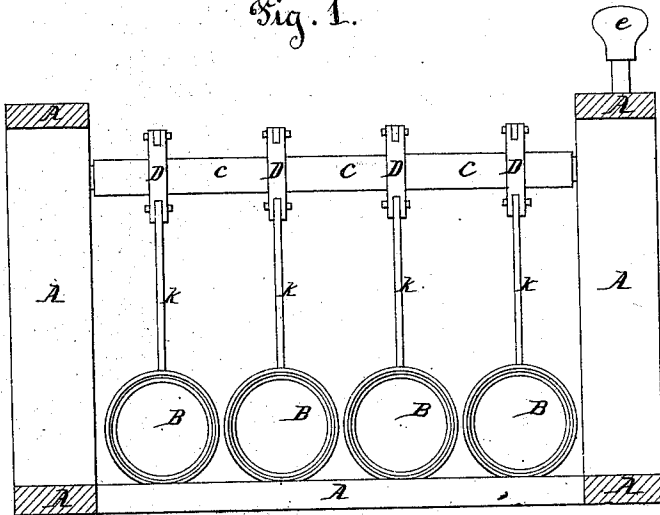
*A. Goldwell,*

*Ageing Liquors.*

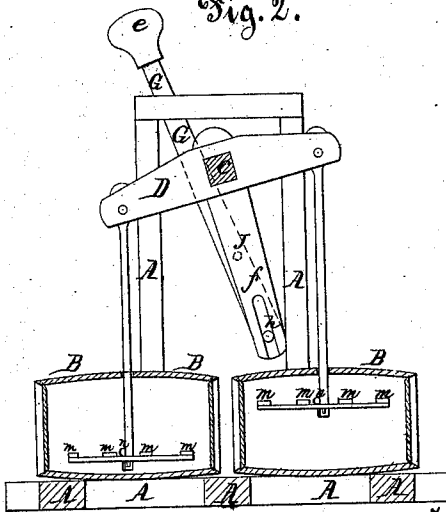
*No. 107,658.*

*Patented, Sept. 27, 1870.*

*Fig. 1.*



*Fig. 2.*



*Witnesses.*

*John M. Murphy.  
Wm. L. Graves.*

*Inventor.*

*Andrew Goldwell*

# UNITED STATES PATENT OFFICE.

ANDREW CALDWELL, OF LEXINGTON, KENTUCKY.

## IMPROVEMENT IN AGING SPIRITS.

Specification forming part of Letters Patent No. 107,658, dated September 27, 1870.

*To all whom it may concern:*

Be it known that I, ANDREW CALDWELL, in the city of Lexington, county of Fayette, and State of Kentucky, have invented a new and Improved Mode of Aging Spirits; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in aging spirits by means of agitating the same by my improved device of churning the same without removing the spirits from the barrels containing it.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

I construct a frame as shown in the annexed drawings making a part of this specification, in which—

Figure 1 represents a side elevation of the frame-work, and Fig. 2 a transverse sectional elevation.

A A A represent the main frame-work. B B B represent the barrels placed on the frame; C C, the axle for operating the arms D D D D; G G and *e e*, the arm of the compound lever, pivoted at J, and, with its pin *h*, operates the short lever *f* and gives motion to the arms D D D D; K K K K, &c., the piston or plunger passing down into the barrel containing the spirits, and secured to the cross-bar L L, which has cross-bars *m m m m* on the same secured to L L by a screw in their center, so as to allow them to be turned crosswise to L L after the same is inserted into the barrel. *n n* represent keys that are intended to keep the piston K and the cross-bar L in position to each other.

I will now proceed to describe the operation of my improvement, as follows: I place any number of barrels of spirits in line with each other, as represented in Figs. 1 and 2 of

the annexed drawings, so as to bring the bung-holes of same immediately under the pistons K K, and, having removed the bungs, proceed to insert the cross-bars L L, having their cross-bars *m m* in line with them until they are in the barrel, where, as they are inside of same, they are turned crosswise of L L by means of a rod, and by the help of a cord attached to L L, near its center, it is easily brought in position, so as to insert the piston K K, which has a pin, as shown, through the same. This pin passes through slots cut in L L, loosely, and is easily turned crosswise, and then the key *n n* is inserted, which, it is evident, will hold the cross-bar L in position to the piston K K until it is desired to remove the same, when it is only necessary to take out the key *n n* and reverse the process of putting same together, as described. Now, by means of the hand or any other power applied to the lever *e* and G, and drawing same back and forward, the pistons K K will be forced alternately up and down in the spirits, carrying the cross-bars with it, and thereby agitating in the most violent manner the spirits in each barrel, and in a similar manner to which butter is churned. Any reasonable number of barrels may be operated by the same motion, either in line or crosswise, as the compound levers *f* and G give great power.

I disclaim the agitation of spirits for the purpose aging them, said principle having long been known; but

What I claim, and desire to secure by Letters Patent, is—

The devices herein described for agitating spirits by the churning process, for the purpose specified.

ANDREW CALDWELL.

Witnesses:

JOHN McMINTRY,  
BENJ. F. GRAVES.