

(No Model.)

J. H. HALLIGAN.
APPARATUS FOR AGING WHISKY.

No. 470,121.

Patented Mar. 1, 1892.

Fig. 1.

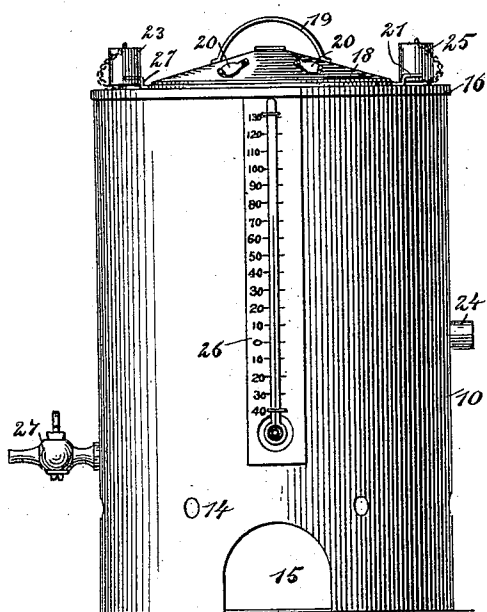


Fig. 2.

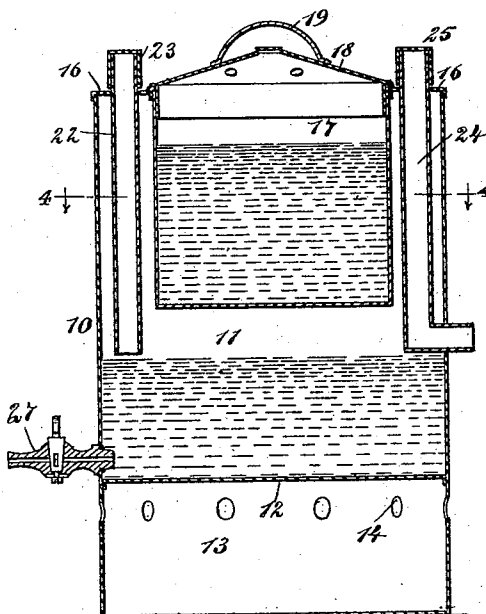


Fig. 3.

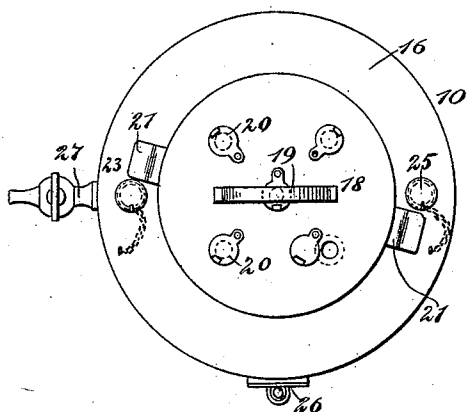
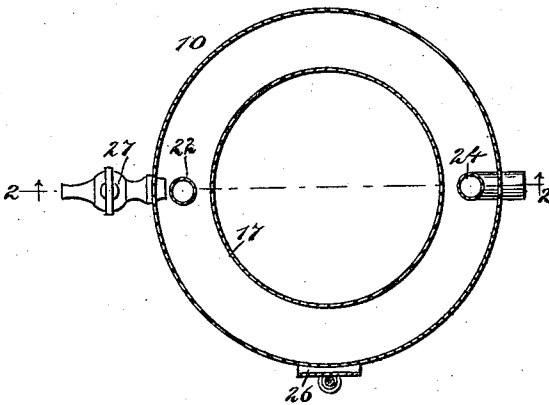


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN H. HALLIGAN, OF HUNTSVILLE, TEXAS.

APPARATUS FOR AGING WHISKY.

SPECIFICATION forming part of Letters Patent No. 470,121, dated March 1, 1892.

Application filed June 15, 1891. Serial No. 396,211. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. HALLIGAN, of Huntsville, in the county of Walker and State of Texas, have invented a new and Improved Apparatus for Aging Whisky, of which the following is a full, clear, and exact description.

My invention relates to an improvement in an apparatus for aging whisky; and the object of my invention is to provide means for affecting whisky in a very short time in much the manner that it is affected by allowing it to lie in barrels for a term of years.

To this end my invention consists in an apparatus the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a front elevation of the apparatus. Fig. 2 is a vertical cross-section of the same on the line 2 2 in Fig. 4. Fig. 3 is a plan view of the apparatus, and Fig. 4 is a sectional plan on the line 4 4 in Fig. 2.

The frame-work of the apparatus consists of the main cylinder 10, the upper portion of which is formed into a compartment 11, and the bottom 12 of this compartment separates it from a heating-chamber 13, in which any suitable source of heat may be placed, and this chamber is provided with vent-holes 14 and with a convenient door 15. The top of the compartment 11 is provided with a flange 16, which flange extends inward from the edge of the main cylinder 10, and a removable tank 17 is supported on this flange by lips 21, the said tank being adapted to contain the whisky and having a removable cover 18, provided with a handle 19 and with vent-holes, which are closed by slides 20. Extending downward through the flange 16 on one side of the compartment 11 is a steam-escape pipe 22, which is closed by a removable cap 23, and on the opposite side of the compartment and leading through one of the side walls and through the top flange is a cold-air pipe 24, which is provided at the top with a removable cap 25. By means of these two pipes the amount of heat and steam in the compartment 11 may be nicely regulated. The function and operation of these pipes 22 and 24

are as follows: The cap 23 is kept upon the pipe 22 until the water in the chamber 11 is thoroughly heated, and then the cap is removed to permit the escape of steam, and by removing the cap at an earlier or later time the temperature of the chamber 11 may be lessened or increased, as desired. After the water and whisky are heated the cap 25 is removed from the pipe 24, and the heat of the chamber will cause the cold air to flow upward through the pipe, and this will have a cooling effect on that part of the tank adjacent to it, so that the whisky, being unequally heated, will have a slow rotary motion, which facilitates the aging process.

On one side of the main tank and opposite the compartment 11 is a thermometer 26, which will indicate the temperature in the tank, and at the bottom of the compartment is a cock 27, through which the water is withdrawn. When the apparatus is used, the compartment 11 is partially filled with water; the tank 17 is filled or partially filled with whisky and lowered into the compartment, the tank being supported on the flange 16, as described, and a heater is placed in the heating-chamber 13, or a fire may be kindled in the same, and steam will thus be generated in the compartment, so as to heat up the whisky in the tank 17. The thermometer will indicate the temperature in the tank, and by regulating the steam-escape pipe 22 and the cold-air pipe 24 the heat may be nicely controlled. The steam is kept up for a sufficient time to thoroughly age the whisky, and it will be found in practice that when steamed for thirty days the whisky will have the apparent age of from eight to ten years.

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

1. The herein-described apparatus, which consists of a main cylinder having a compartment in the top and a heating-chamber beneath it, a removable tank adapted to be suspended in the compartment, a steam-escape pipe opening from the compartment and provided with a removable cap, and a cold-air pipe leading through one side of the compartment and upward through the top thereof, said pipe having a removable cap, substantially as described.

2. The herein-described apparatus for aging
whisky, which consists, essentially, of a main
cylinder having a water-holding compartment
at the top and a heating-chamber beneath it,
5 the said compartment having an annular
flange at the top, a tank adapted to rest upon
the flange of the compartment, a steam-es-
cape pipe leading from the compartment, and
a cold-air pipe leading through the compart-
10 ment, substantially as described.

3. An apparatus for aging whisky, consist-
ing of a main cylinder having a water-hold-
ing compartment in the top and a heating-
chamber beneath the compartment, a covered

tank adapted to be suspended in the water- 15
holding compartment, a steam-escape pipe
leading from the compartment, a cold-air pipe
leading through the compartment, an escape-
cock opening from the lower portion of the
compartment, and a thermometer secured to 20
the outer wall of the compartment, substan-
tially as described.

JOHN H. ^{his} X HALLIGAN.
mark

Witnesses:

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W. SHARP, Jr.