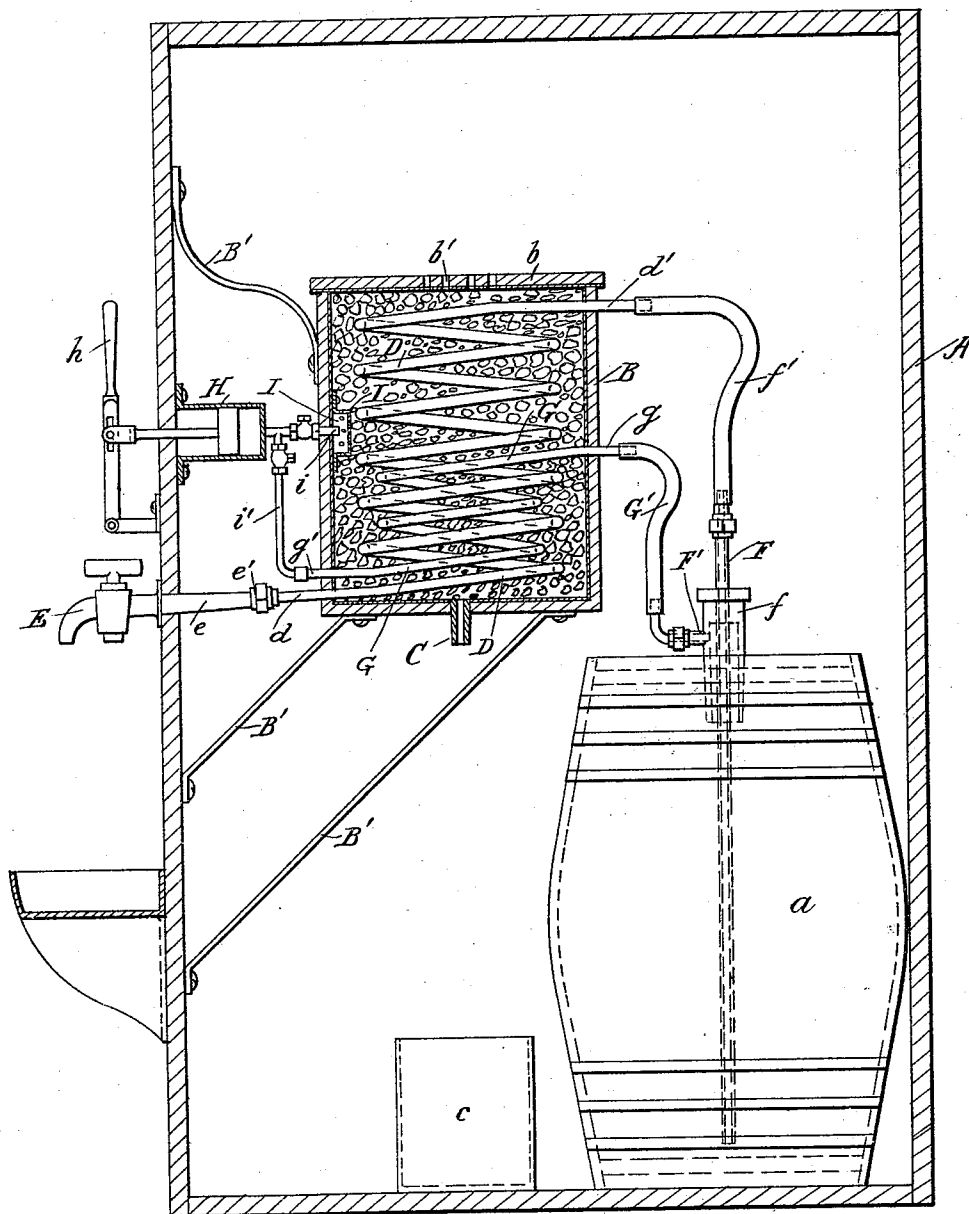


(No Model.)

H. HAHN.
BEER COOLER.

No. 519,708.

Patented May 15, 1894.



WITNESSES

Jno. F. Moran Jr.
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INVENTOR

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UNITED STATES PATENT OFFICE.

HENRY HAHN, OF TERRE HAUTE, INDIANA.

BEER-COOLER.

SPECIFICATION forming part of Letters Patent No. 519,708, dated May 15, 1894.

Application filed March 1, 1894. Serial No. 501,941. (No model.)

To all whom it may concern:

Be it known that I, HENRY HAHN, a citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Beer-Coolers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to beer coolers; and it consists in the novel construction and combination of the parts hereinafter fully described and claimed.

The drawing shows a vertical section through the beer cooler.

A is an inclosing case of wood, galvanized iron, or other suitable material, and *a* is a beer barrel placed inside the case.

B is an ice box formed of wood lined with galvanized iron, or it may be of galvanized iron alone. This ice box is supported in the case A by the brackets B', and is provided with a removable cover *b* having air holes *b'*.

C is a drain pipe at the bottom of the ice box, and *c* is a receptacle for catching the water which drips from it.

D is the beer worm inside the ice box. The lower end of the worm D is provided with a branch *d* projecting through the side of the ice box, and E is the beer faucet provided with a shank *e* which passes through the side of the case A and is coupled to the branch *d* by the union *e'*. The upper end of the beer worm is provided with a branch *d'* which projects through the side of the ice box.

F is a beer pipe secured into the top of the plug *f* which is driven into the beer barrel, and *f'* is a flexible india rubber pipe which connects the pipe F with the branch *d'*. A branch F' is formed on the plug *f* and communicates with the interior of the barrel by an annular space in the plug surrounding the pipe F.

G is the air worm in the lower part of the ice box. The upper part of the air worm is provided with a branch *g*, and the lower part of it with a branch *g'*, both of which branches project through the sides of the ice box.

G' is a flexible pipe of india rubber which connects the branch *g* with the branch F'.

Flexible pipes *f'* and G' are used so that

the air and beer pipes may be readily connected with the barrel, and so that they can be connected to barrels of different size, or barrels which are not stood in exactly the same positions inside the case A.

H is an air pump of any approved construction, secured inside the case A, and *h* is a handle for working the air pump. This handle is arranged outside the case in any convenient position.

I is a perforated strainer inside the ice box, and *i* is the air suction pipe of the pump which is connected to the ice box and has its end covered by the said strainer. The air delivery pipe *i'* of the pump is connected to the branch *g'* of the air worm.

If desired, the case A can be made of large size and adapted to hold several barrels of beer, each provided with its own faucet and cooling worm.

The ice box is filled with cracked ice, which is prevented from getting into the air suction pipe, by the strainer.

The case A incloses a body of air which is kept cool by being separated from the atmosphere and by contact with the ice box. This cool air assists in cooling the beer in the barrel. When the air pump is worked, air is drawn through the ice in the ice box, and is forced through the air worm inside the ice box, and thence into the top part of the beer barrel. The air becomes very cold in its passage through the ice and through the air worm, and cools the beer in the barrel by direct contact with it.

The pressure of the air in the upper part of the barrel forces the beer up the pipe F and into the beer worm in the ice box, in which it is further cooled by the surrounding ice. The cold beer is drawn off from the faucet as required, and the beer worm forms a reservoir for the cold beer.

What I claim is—

In a beer cooler, the combination, with the inclosing case, of the ice box supported inside the case and provided with a removable lid having air holes in it, a beer worm and an air worm arranged inside the ice box, the beer barrel and the pipes connecting it with the upper ends of the beer worm and the air worm, the faucet connected to the lower end of the beer worm and projecting from the case, the

air pump arranged inside the case and provided with an operating handle outside the case, the air suction pipe connected to the ice box and provided with a strainer to prevent
5 the ice from entering it, and the air delivery pipe connected to the air worm, whereby the air is purified and freed from dust by being drawn through the cracked ice, and is forced through the air cooling worm into the barrel,

and the beer is forced from the barrel into the beer worm, substantially as set forth. 10

In testimony whereof I affix my signature in presence of two witnesses.

HENRY HAHN.

Witnesses:

B. G. COX,

H. HULMAN, Jr.