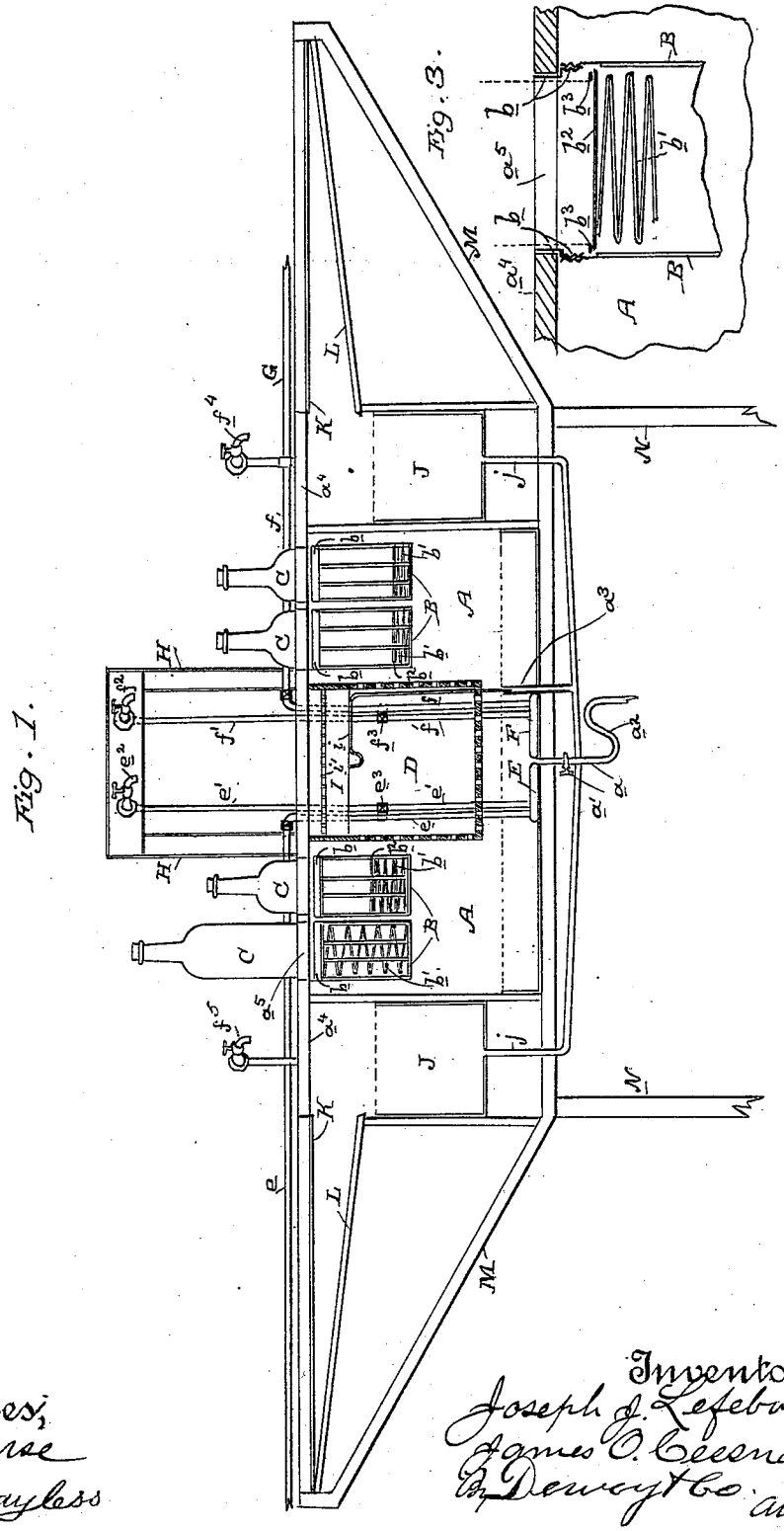
(No Model.) 2 Sheets—Sheet 1.

J. J. LEFEBVRE & J. O. CESSNA.

BAR FIXTURE.

No. 471,327. Patented Mar. 22, 1892.



Witnesses;
J. Snure
J. A. Bayless

Inventors,
Joseph J. Lefebvre
James O. Cessna
By Dewey & Co. Attys

(No Model.) 2 Sheets—Sheet 2.

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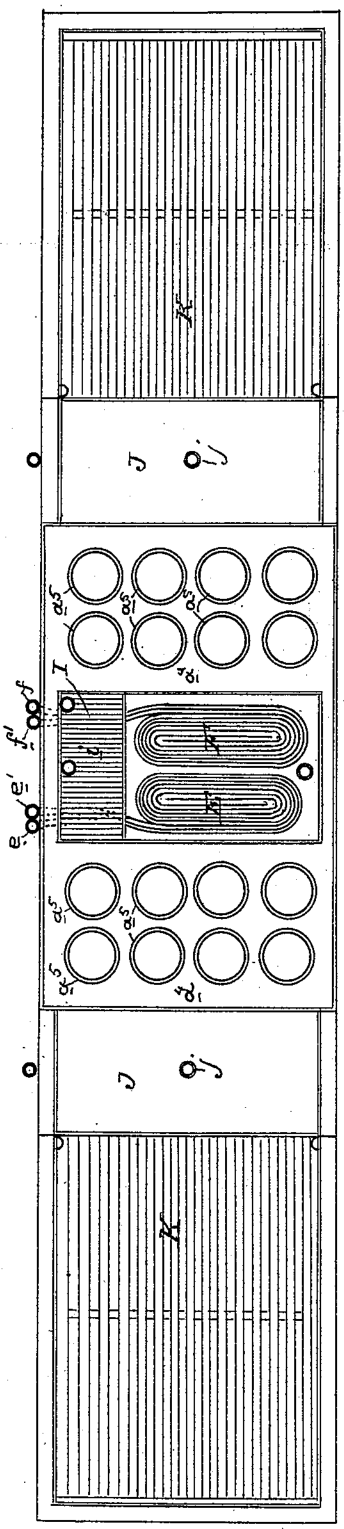

Fig. 2.

Witnesses,
B. Nourse
J. A. Bayless

Inventor
Joseph J. Lefebvre
James O. Cessna
By Dewey & Co. attys

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UNITED STATES PATENT OFFICE.

JOSEPH J. LEFEBVRE AND JAMES OLIVER CESSNA, OF REDDING, CALIFORNIA.

BAR-FIXTURE.

SPECIFICATION forming part of Letters Patent No. 471,327, dated March 22, 1892.

Application filed August 12, 1891. Serial No. 402,479. (No model.)

To all whom it may concern:

Be it known that we, JOSEPH J. LEFEBVRE and JAMES OLIVER CESSNA, citizens of the United States, residing at Redding, Shasta county, State of California, have invented an Improvement in Bar-Fixtures; and we hereby declare the following to be a full, clear, and exact description of the same.

Our invention relates to the class of fixtures especially adapted for use in connection with bars; and it consists in the novel construction and arrangement of the several parts hereinafter fully described, and specifically pointed out in the claims.

The object of our invention is to provide a bar-fixture for keeping cool, conveniently holding, and permitting the ready manipulation and cleaning of the several bottles, vessels, pipes, &c., in which the liquids are contained.

Referring to the accompanying drawings for a more complete explanation of our invention, Figure 1 is a vertical section of our fixture. Fig. 2 is a plan or top view of the same. Fig. 3 is a detail section of one of the bottle-racks and connected mechanism.

A is a cooling-box provided in its bottom with a drain-pipe a, controlled by a cock a', and having a trap a^2, and said box is also provided in its bottom with an overflow-pipe a^3, which communicates, as shown in Fig. 1, with the drain-pipe. In the top a^4 of the box A is made a number of holes a^5, and directly under each hole is suspended a frame-work or rack B, which is readily insertible and removable by screwing its top into a flange or collar b, as shown in Figs. 1 and 3. Within each rack is a light spring b', which carries on its top a plate b^2, provided with a rubber washer or gasket b^3, which is adapted to form a tight joint with the flange or collar above, and thereby to close the opening in the top of the box, thus preventing any of the cold air therein from escaping, said plates serving as air-valves.

C are bottles resting upon the tops of the plates or air-valves b^2, and when said bottles are filled their weight is sufficient to depress them in the racks, whereby their contents are kept cool within the cooling-box. When any bottle is removed for the purpose of pouring off a portion of its contents, the spring b' raises the air-valve plate b^2 up to the top and closes the opening a^5, and when the bottle is replaced it presses the plate down against its spring, so that the bottle rests within the cooling-box.

D is an ice-box located within the cooling-box. It consists of a suitably-perforated casing, as shown in Fig. 1. The drip from this ice-box falls down into the cooling-box, whereby the air therein is kept cool, and the level of said water is regulated by the overflow-pipe a^3, heretofore described. Within the bottom of the box and lying in the water therein is a coil-pipe E. This coil-pipe is peculiarly formed, in that it consists of a single pipe bent upon itself, and both folds carried around perfectly horizontal and flat and parallel with each other to form a complete coil. Then these ends are bent upwardly, one of them e passing up through the top of the box A and extended to one side, as shown, and said end may be supposed to be connected with a beer-keg. (Not shown.) The other end e' extends upwardly through the top of the box and is provided with a faucet e^2 on its upper end, from which the beer may be drawn. Both of these ends are provided with couplings e^3, whereby they may be disconnected to permit the removal of the coil when desired. It will be seen that the beer passes in through the end e, circulates through the coil E, being thereby cooled, rises through the end e', and is drawn off at the faucet e^2.

Within the cooling-box A is another coil F, similarly constructed to the coil E, and having ends f and f', coupled at f^3, whereby the coil may be readily removed. The end f is connected at any portion of its length with the pipe G from the water-main and also has a faucet f^4. The end f' has a faucet f^2 at its top, as shown in Fig. 1. The water passes in from the main G, flows through the end f and through the coil F, being thereby cooled, and said water then rises through the end f' and may be drawn off cold at the faucet f^2. Ordinary water from the main is drawn off from the faucet f^4. A faucet similar to f^5 is located on the other side of the device and may be suitably connected with the water-main. The advantage in making these coils in the man-

ner described is that they lie perfectly flat without any cross-pipe leading to them which is liable to be damaged. The vertical ends e' and f' of the two coils and the faucets on their tops are supported in a vertical frame-work H, secured on top of the cooling-box.

Within the upper portion of the cooling-box and on one side of the top of the ice-box is a drip-sink I, which has a discharge-pipe i with trap, said pipe extending downwardly and opening into the overflow-pipe a^3 of the cooling-box, as shown in Fig. 1. This sink may have a glass-rack i' upon it.

At each end of the cooling-box is a rinse-sink J, each of which has a discharge-pipe j, which communicates with the drain-pipe a of the cooling-box. The water-faucets f^4 f^5 are directly above these rinse-sinks and are adapted to supply them with water.

K are drip-racks, one at each end of the device and properly supported from the top frame-work, as shown. Under these drip-racks are inclined drain-boards L, the lower ends of which communicate with the rinse-sinks.

The whole frame-work M of the device is supported by suitable legs or trusses N.

The top of the cooling-box is preferably made of a plate of copper.

This whole device is intended to be located under the counter of the bar and is therefore in convenient position for the bar-tender. From the cocks or faucets e^2 and f^2 he can draw cold beer and cold water. He can reach his several bottles conveniently and their contents are kept cool by the cold air in the cooling-box. His drip-sinks, drip-racks, and rinse-sinks are all conveniently located and have proper discharges, and all the parts are adapted to be readily removed and replaced.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. In a bar-fixture, a cooling-box having openings in its top and bottle-racks secured within it under the openings, said racks having vertically-movable plates to support the bottles and to close the openings when the bottles are removed, substantially as herein described.

2. In a bar-fixture, a cooling-box having openings in its top, bottle-racks within said box under its openings, vertically-sliding plates within the racks forming valves for controlling said openings and supporting the bottles, and springs for operating said plates, substantially as herein described.

3. In a bar-fixture, a cooling-box having openings in its top and provided with threaded flanges or collars under the openings, bottle-racks within the box and screwed to the flanges or collars whereby they may be removed, and spring-controlled vertically-sliding plates within said racks for closing the openings in the top of the box and supporting the bottles, substantially as herein described.

4. A bar-fixture consisting of a cooling-box having openings in its top, a perforated ice-box therein, coil-pipes located in said cooling-box and having ends connected with the sources of liquid supply and with discharge-faucets, and bottle-racks within said cooling-box under its top openings and provided with spring-controlled sliding plates for supporting the bottles and closing the top openings of the box, substantially as herein described.

5. An improved bar-fixture comprising a cooling-box with openings in its top and drain and overflow pipe in its bottom, a perforated ice-box therein, coil-pipes located in said box, discharge-faucets in said pipes, a drip-sink within the cooling-box having a discharge connecting with the drain-pipe thereof, rinse-tanks at each end of the box having discharge-pipes communicating with the drain-pipe of said box, and drip-racks and underlying drain-bars communicating with the rinse-tanks, substantially as herein described.

In witness whereof we have hereunto set our hands.

JOSEPH J. LEFEBVRE.
JAMES OLIVER CESSNA.

Witnesses:
WILLIAM YANK,
W. D. BIEGLE.