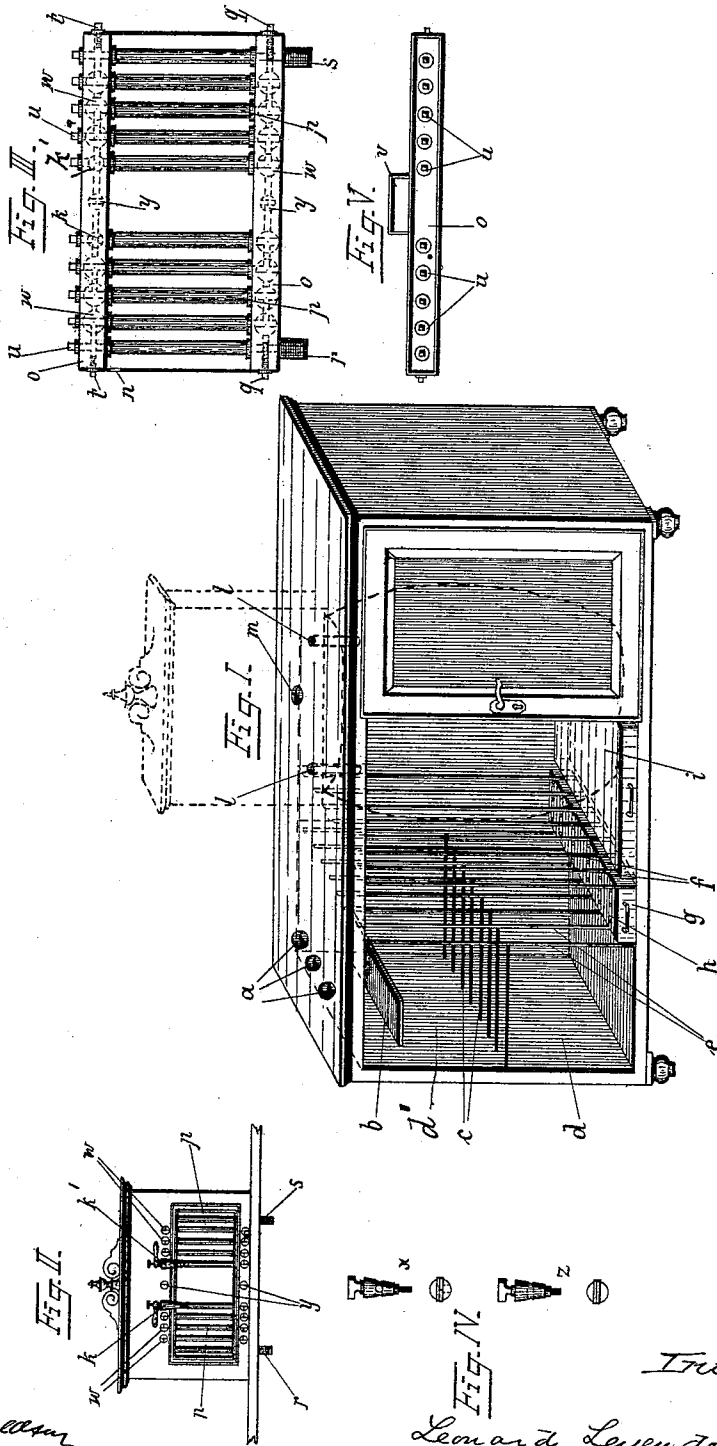


(No Model.)

L. LEYENDECKER.
REFRIGERATOR AND BEER COOLER.

No. 525,787.

Patented Sept. 11, 1894.



Attest
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UNITED STATES PATENT OFFICE.

LEONHARD LEYENDECKER, OF CRONENBERG, NEAR ELBERFELD, GERMANY.

REFRIGERATOR AND BEER-COOLER.

SPECIFICATION forming part of Letters Patent No. 525,787, dated September 11, 1894.

Application filed August 15, 1893. Serial No. 433,223. (No model.)

To all whom it may concern:

Be it known that I, LEONHARD LEYEN-
DECKER, inn-keeper, a subject of the King of
Prussia, and a resident of Cronenberg, near
5 Elberfeld, in the Kingdom of Prussia, Ger-
man Empire, have invented a certain new and
useful Transportable Refrigerator in Combina-
tion with a Beer-Cooler, of which the follow-
ing is a specification.

10 My invention relates to a combined refrig-
erator and beer cooler, and the object of the
invention is to provide a refrigerator of neat
and attractive appearance which can be used
as a buffet, and which includes in its con-
15 struction a detachable beer cooler of orna-
mental construction and one which may be
readily cleansed.

The invention is illustrated in the accom-
panying drawings, in which—

20 Figure 1, is a perspective view of the re-
frigerator proper showing all the doors but
one removed. The beer cooler and beer bar-
rel are shown in dotted lines in this figure.
Fig. 2, is an elevation of the beer cooler seated
25 upon a portion of the top of the refrigerator.
Fig. 3, is an enlarged view of the cooling tubes
alone. Fig. 4, is a detail view of the three
way cock and the dividing stop cock, and
Fig. 5, is a plan view of the brass partitions
30 of the beer cooler.

Referring more particularly to the draw-
ings, the refrigerator which is shown in Fig.
1, is provided with two rows of vertical zinked
iron rods *e f*, providing a space or compart-
35 ment between them in which the ice is placed
upon a fixed zinc plate *h*. A drawer *g* of
sheet zinc is provided below this plate to re-
ceive the drip water from the ice. The space
upon one side (the left hand side in Fig. 1) is
40 divided by horizontal rods *e* into upper and
lower compartments *d'* and *d* respectively for
the reception of various articles as may be
desired, the rods *c* extending between the ver-
tical rods *e* and the side wall of the refrig-
45 erator thus forming a shelf. A plate or shelf,
preferably of glass, is secured to the side wall
of the refrigerator a short distance below the
top, as shown at *b* and the top of the refrig-
erator is provided with a series of openings
50 *a*, into which liquor and other bottles may be
inserted.

The space upon the opposite side of the ice

compartment is designed for the reception of
a beer barrel, and for this purpose is provided
with a thick zinked wooden plate *i* for the bar- 55
rel to rest upon.

The beer cooler, shown in elevation in Fig.
2, is designed to be placed upon the top of
the refrigerator, and is provided with a suit-
able ornamental casing to give the whole 60
article the appearance of a buffet. The cooler
proper comprises the horizontal tubes *o* of
brass or other suitable material which are con-
nected by vertical glass tubes *p* securely fast-
65 ened thereto in any desirable manner and
the whole surrounded by a water tight casing
by means of which the tubes through which
the beer passes may be kept constantly sur-
rounded by ice water.

The lower brass tube is provided with de- 70
pending tube ends *r, s*, designed to project
down through the opening *l*, as shown in Fig.
2, where one or both may be connected to a
beer barrel or beer barrels to operate as here-
inafter described. 75

The entrance ways from the projecting ends
r, s, to the glass tubes, shown in dotted lines
in Fig. 3, are provided with screw plugs *q* by
means of which they may be opened or closed
at will to turn on or cut off the flow of the 80
beer. Similar screw plugs *t* are provided at
the upper brass tube.

Each brass tube is provided with three way
cocks *w*, of substantially the ordinary con-
struction, corresponding in number to the 85
vertical glass tubes, and being arranged in
line therewith. These three way cocks are
arranged and adapted to be placed in one po-
sition to cause the beer to pursue a zig-zag
course up through one glass tube, along the 90
upper brass tube to the next glass tube, down
that to the lower one, and so on to the outlet,
or one or more of the glass tubes may be cut
out by turning the cocks so that an uninterr-
rupted passage is provided through the brass 95
tube.

In the present drawings the tubes are shown
as arranged in two sets, one upon the left and
the other upon the right having their respect-
ive inlets *r* and *s* and their respective outlet 100
cocks or faucets *k* and *k'*, suitable cut off
cocks being provided at *y* to separate the two
sets.

In the operation of the device the tubes *r*

and *s* are one or both connected in any well known manner, to a barrel or barrels of beer within the refrigerator, and with the valves *q t* open, the valves *y* closed, and the three way cocks adjusted to the positions indicated by dotted lines in Fig. 3, the course of the beer will be up through its inlet *r* or *s*, and up through its outside vertical tube, then across to the next tube and down through that, across to the third and up through that and so on until the cock *k* or *k'* is reached, being cooled in its passage by the ice water which surrounds the tubes. If desirable some of the tubes may be cut out by turning the three way cocks so that a continuous passageway is formed through one of the brass tubes. Ice water may be poured into the casing through a suitable inlet *v* an overflow opening being provided as shown at *n*.

20 In order that the device may be readily cleansed the side-walls of the casing are made removable and closing screw plugs *u* are provided for openings in the brass tubes in line with the glass tubes, and these may be removed to give ready access to the interior of said tubes.

Having thus described my invention, what I claim is—

30 1. In combination, the refrigerator adapted to contain a beer barrel and having openings in its top, a casing mounted thereon for containing a cooling agent, horizontal tubes located therein, vertical tubes connecting the

same, depending tubular projections adapted to project through said openings for connecting the outer vertical tubes with the beer barrel, three way cocks controlling the junction of the vertical and horizontal tubes for cutting out and throwing in any of the vertical tubes, and outlet cocks connected to the inner tubes, substantially as described.

2. In combination, the refrigerator adapted to contain a beer barrel and having openings in its top, a casing for containing a cooling agent mounted thereon, said casing having removable side walls, horizontal brass tubes located in said casing, two sets of vertical glass tubes connecting the same, depending tubular projections adapted to project through said openings for connecting the outer tubes with the beer barrel, three way cocks controlling the junction of the vertical and horizontal tubes, stop cocks located at the junction of the outer tubes and horizontal tubes, cut off valves located in the horizontal tubes dividing the two sets, and outlet cocks connected to the inner tubes, substantially as described.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

LEONHARD LEYENDECKER.

Witnesses:

RUDOLF FRICKE,
PAUL HARMROTH.