

(No Model.)

H. C. STROUT.
BRINE COOLER.

No. 505,908.

Patented Oct. 3, 1893.

Fig. 1.

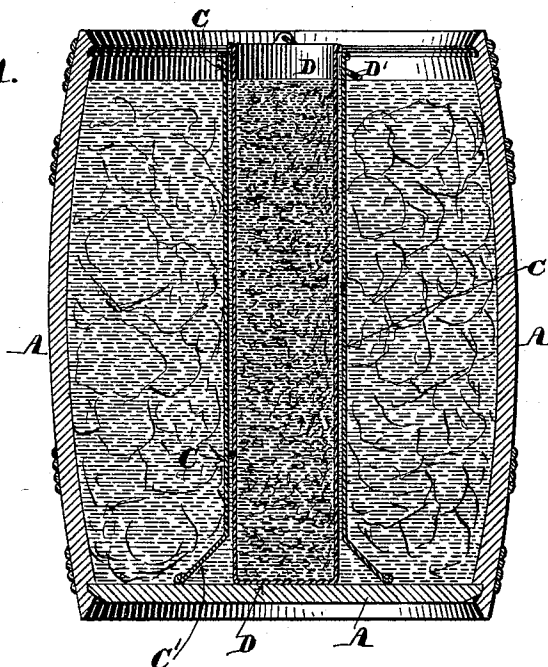
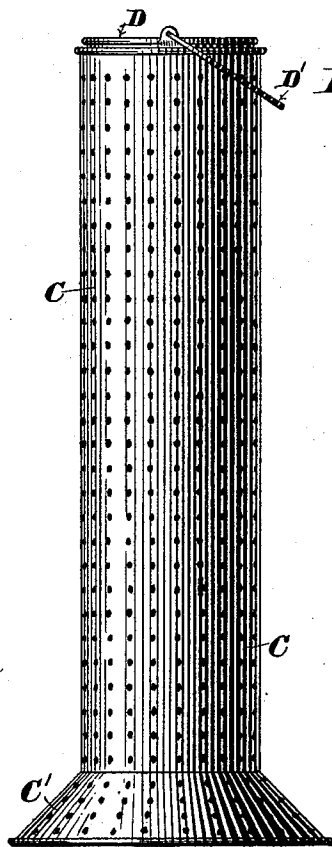


Fig. 2.



Witnesses:

Walter E. Lombard.
Marshall Underwood

Inventor:

Harvey C. Strout,
by N. C. Lombard
Attorney.

UNITED STATES PATENT OFFICE.

HARVEY C. STROUT, OF NEWBURYPORT, MASSACHUSETTS.

BRINE-COOLER.

SPECIFICATION forming part of Letters Patent No. 505,908, dated October 3, 1893.

Application filed April 19, 1893. Serial No. 470,957. (No model.)

To all whom it may concern:

Be it known that I, HARVEY C. STROUT, of Newburyport, in the county of Essex and State of Massachusetts, have invented a new and useful Brine-Cooler, of which the following, taken in connection with the accompanying drawings, is a specification.

It is a well known fact that provision dealers find it difficult to prevent corned meats from becoming tainted in hot weather on account of the brine becoming warm, and to prevent this by the ordinary means used involves a considerable expense for ice, and a material reduction in the strength of the brine by the addition thereto of the water resulting from the melting of the ice. To overcome this difficulty and produce a simple apparatus by the use of which the brine in a barrel or other receptacle in which corned meats are stored preliminary to being dealt out to the consumer, may be kept cool in the hottest weather at a comparatively small expense, is the object of my invention and it consists in certain novel features of construction, arrangement and combination of parts which will be readily understood by reference to the description of the accompanying drawings and to the claim at the end of this specification, in which my invention is clearly pointed out.

Figure 1 of the drawings is a central vertical section of a barrel with my invention applied thereto. Fig. 2 is an elevation of my cooling apparatus removed from the barrel and drawn to an enlarged scale.

In the drawings A is a barrel of ordinary construction having one head removed.

C is a metal stand pipe open at both ends and provided with the flaring base C' by which it is supported in a vertical position in or near the center of the barrel. This pipe is preferably made of galvanized iron and is perforated as shown in Fig. 2, to permit the free passage of the brine to the interior thereof. Within this stand pipe C is placed the cylindrical vessel D having a closed bot-

tom and made of such a diameter as to permit its easy introduction into and removal from said stand pipe, and is provided with the bail D' to facilitate such introduction and withdrawal.

The operation of my invention is as follows: The stand pipe C is placed in an upright position in an empty barrel, the meat either corned or to be corned is packed in said barrel around said pipe and the brine is poured into said pipe. The vessel D is then filled with broken ice and salt and introduced into the stand pipe C displacing the brine therein till the bottom of said vessel rests on the bottom of the barrel as shown in Fig. 1, when the freezing mixture in said vessel will very soon reduce the temperature of the brine in the barrel to 28° or 30° Fahrenheit with the temperature in the room at 80°. When the ice in the vessel D has all melted, said vessel may be readily removed, the water be discharged therefrom, said vessel be re-packed with ice and salt and be replaced within the stand pipe C without disturbing the meat in said barrel, and the contents of the barrel may be removed as required without disturbing the cooler or affecting in the least its effective operation.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

In a brine cooler the combination with a receptacle for holding corned meats immersed in brine, of a stand pipe having an expanded base and its wall perforated with a large number of small holes; and a cylindrical vessel having a closed bottom, and adapted to fit loosely within said stand pipe, as and for the purposes described.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, on this 15th day of April, A. D. 1893.

HARVEY C. STROUT.

Witnesses:

N. C. LOMBARD,
WALTER E. LOMBARD.