

(No Model.)

A. SCHUYLER.
CHURN.

No. 514,095.

Patented Feb. 6, 1894.

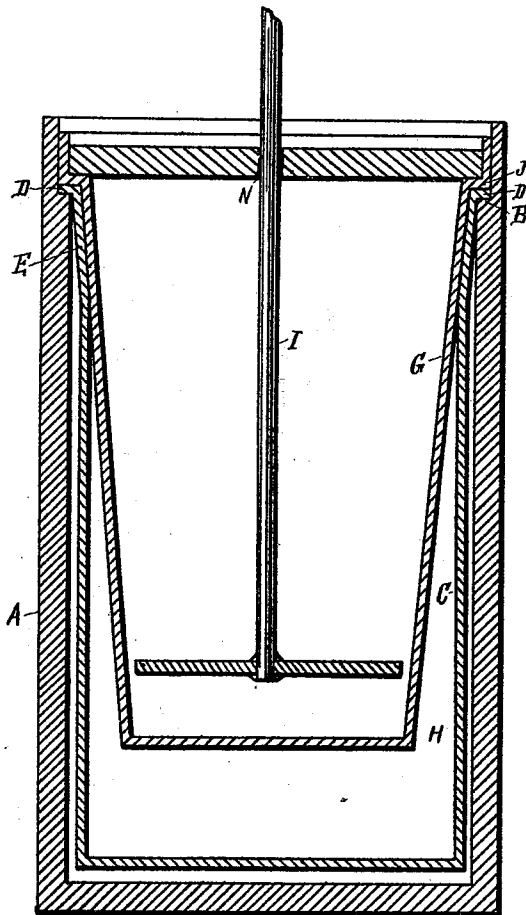


Fig. 1.

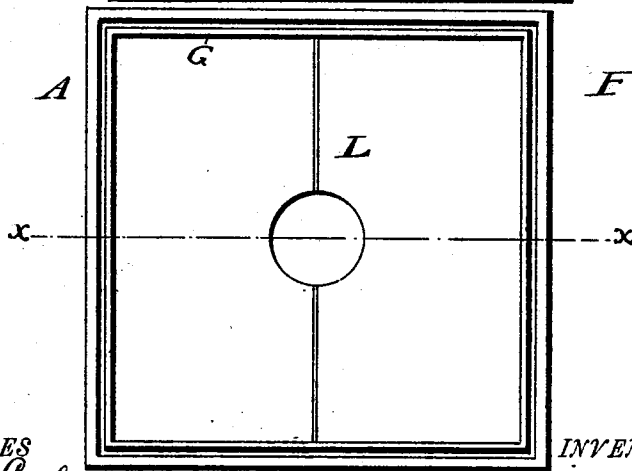


Fig. 2.

WITNESSES

Newton G. Leslie.
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Abram Schuyler
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att

UNITED STATES PATENT OFFICE.

ABRAM SCHUYLER, OF SCOTTS, MICHIGAN, ASSIGNOR OF ONE-HALF TO
ADELY SCHUYLER, OF SAME PLACE.

CHURN.

SPECIFICATION forming part of Letters Patent No. 514,095, dated February 6, 1894.

Application filed February 20, 1893. Serial No. 463,049. (No model.)

To all whom it may concern:

Be it known that I, ABRAM SCHUYLER, a citizen of the United States, residing at Scotts, county of Kalamazoo, State of Michigan, have
5 invented a new and useful Refrigerator and Churn, of which the following is a specification.

The object of this invention is to construct a churn by which the temperature of the
10 cream can be regulated and which may be employed for other refrigerating purposes; all as more particularly described and claimed below.

In the drawings forming a part of this specification, Figure 1 is a vertical section on line
15 $x-x$, in Fig. 2, and Fig. 2 is a plan view of Fig. 1.

Referring to the lettered parts of the drawings, A represents the outer wooden case,
20 which of course may be made of other material than wood, if desired. The inside of this case, at the upper end, is made larger, forming a shoulder, B, which shoulder of course extends entirely around the rectangular case.

The lining, C, made of zinc or any other suitable material, is flanged over at the upper end, at right angles, as at D, said flange detachably resting on the shoulder, B, of the
30 case, A. From this flange, D, for a short distance downward, the lining C slants inward, as at E, and from thence the walls of the lining are made straight, leaving an air-space, F, between it and the outer casing.

The churn, G, made in the form of a can, may serve, when not being used for a churn, for holding milk, food or whatever else may be desired. This churn is made with inclined side walls, converging toward the base,
40 the incline thereof conforming to the slanting portion, E, of the lining, C, said churn being made of a size to be detachably inserted in the lining, with a close fit of its walls and the inclined portion, E, of the lining, C; by which means the water-space, H,
45 between the lining and the sides of the churn, G, diverges downward from the point where the walls of the churn contact with the in-

clined surface, E, of the lining, C, opening into the water-space beneath the churn. By
50 this means there will be a greater volume of water around the lower portion of the churn than around the upper, which is very desirable, especially in cooling or warming cream. The contact of the walls of the churn with
55 the inclined portion, E, of the lining, assists in supporting the churn, holds it steady and firm against canting or shaking, especially when churning, and successfully closes the converging upper end of the tapering water-
60 space, H. The inclined portion, E, of the lining, C, also forms an offset to the lining, in establishing the air-space, F, so that the upper end of said lining shall contact with the case, A.

Returning to the churn, G, it will be seen that it is enlarged at the top by the walls being shouldered outward, as at J, and from
70 thence extending straight upward parallel with the walls of said case, A, said shoulders, J, detachably resting on the flange, D, of the lining, C.

When desiring to use the churn, the cover, L, is inserted in the top of said churn and rests on the shoulders, J, thereof.

Owing to the enlargement of the churn above the shoulders, J, and the cover, L, being thinner than the depth of said enlargement, no cream can escape over the top of
80 the churn down into the water-space, H.

The cover, L, is provided with a central hole, N, through which is inserted the handle of the churn dasher I, Fig. 1.

Hot or cold water may be used in the water-space, H, to establish the desired tempera-
85 ture of the cream.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

A churn, comprising a case interiorly enlarged at the top, forming a shoulder, a lining flanged over at the top and resting on
90 said shoulder, thence inclining inward for a short distance downward, a churn interiorly enlarged at the top, forming the shoulder
95 resting on the flange of the lining, the walls

from said shoulder extending straight upward, and also downward for a short distance on a converging incline, so as to contact with the inclined portion of the lining, a churn
5 dasher, and a cover thinner than the depth of the upper enlargement of the churn; substantially as set forth.

In testimony to the foregoing I have hereunto subscribed my name in the presence of two witnesses.

ABRAM SCHUYLER.

Witnesses:

AI FULLERTON,
R. G. SMITH.