

Ward & Nelson. Churn.

N^o 72576

Patented Dec. 24, 1867.

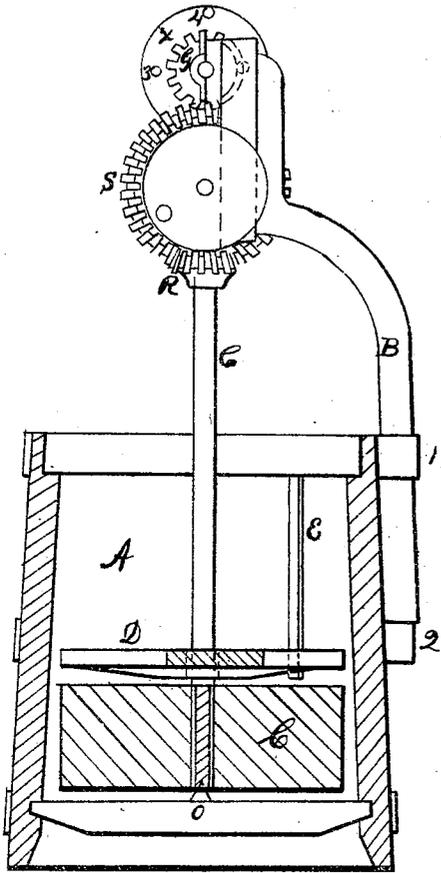


Fig. 1.

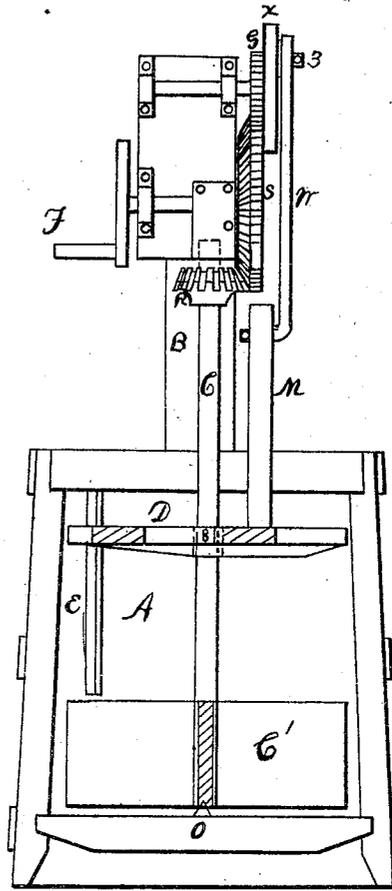


Fig. 2.

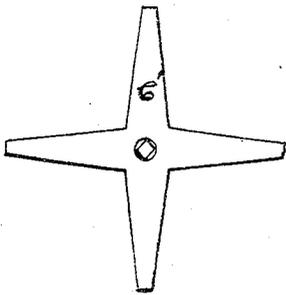


Fig. 3.

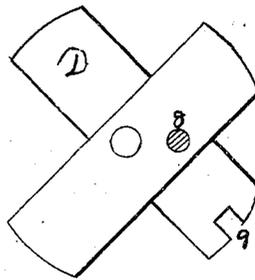


Fig. 4.

Witnesses.
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United States Patent Office.

LEMAN WIARD AND WILLIAM H. NELSON, OF SPRING TOWNSHIP, PENNSYLVANIA.

Letters Patent No. 72,576, dated December 24, 1867.

IMPROVEMENT IN CHURNS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that we, LEMAN WIARD and WILLIAM H. NELSON, of the township of Spring, in the county of Crawford, and State of Pennsylvania, have invented a new and improved Churn; and we do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and the letters of reference marked thereon.

Figure 1 is a side view of our churn, with one side of the churn-box removed to better show the inside construction of the same.

A is the churn-cask or box; C' the revolving "dash" on the shaft C, on which is the bevel-gear wheel R, driven by the crank-wheel S. B is a standard placed in the loops 1 and 2, from which it may be removed at pleasure. This standard, B, supports the cogged wheels which move the dashers. G is a smaller cogged wheel, moved by the crank-wheel S, which wheel S is a bevel-gear and spur-gear wheel both; the same being better shown at S, Figure 2. On the wheel G is a plate-wheel, X, with the holes 3 and 4, for a wrist on which the pitman W is hung.

Figure 3 represents the revolving dash C', and

Figure 4 represents the dash D, which does not revolve, but is hung on the rod M, and is moved up and down by the pitman W attached to its upper end.

The handle of the revolving dash passes through a hole, 8, in the dash D. There is a notch, 9, in the blade of the dash D, which "fits" on a guide-rod, E, screwed on the inside of the churn-box A. On turning the crank F, the dash C' revolves, while at the same time the "dash" D moves up and down, thus breaking the cream. For the purpose of cleaning, all the dashers and the cogged gear-wheels can be removed by drawing the standard, B, from the loops 1 2. O is a point on which the shaft C of the dash C' revolves.

What we claim as our invention, and desire to secure by Letters Patent, is as follows, to wit—

The two dasher D C', constructed and operated as described, when the same are in the aforesaid combination for the purposes set forth.

LEMAN WIARD,
W. H. NELSON.

Witnesses:

A. B. RICHMOND,
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