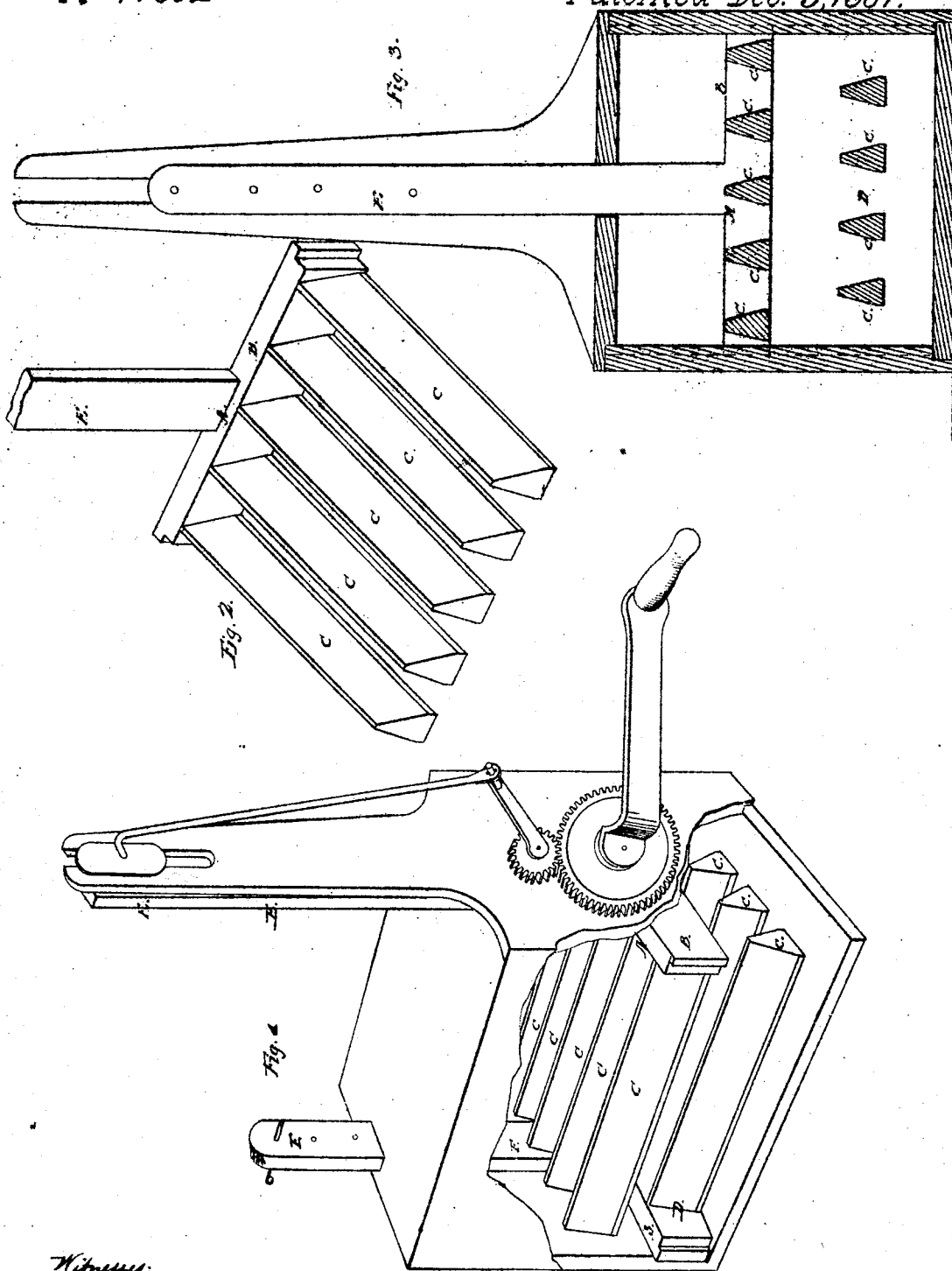


A. M. Seymour.

Churn.

N^o 71652

Patented Dec. 3, 1867.



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ARBA M. SEYMOUR, JR., OF MADISON, WISCONSIN.

Letters Patent No. 71,652, dated December 3, 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 I, ARBA M. SEYMOUR, Jr., of Madison, in the county of Dane, and State of Wisconsin, have made new and useful Improvements in Churns; and I do hereby declare the following to be a full, clear, and exact description of the nature, construction, and operation of the same, sufficient to enable one skilled in the art to which it appertains to construct and use the same, reference being had to the accompanying drawings, which are made part of this specification, and in which—

Figure 1 is a perspective view of churn, showing the dashers in their places.

Figure 2 is a view of dashers, and

Figure 3 is a section of the churn.

The invention consists in the peculiar construction and arrangement of the dashers, one of which is operated up and down, and passes through or partly through the other, which is set at different height, at will, as hereinafter explained. It also consists of the combination of two dashers, of the construction of those hereinafter described, or their equivalents. The churn may be constructed of any form, size, or material.

The main or working-dasher, A, consists of a cross-head, B, which is furnished with a series of teeth or fingers, C, projecting at an angle from the cross-head, and reaching nearly across the churn. The dormant dasher D, constructed like the dasher A, is placed on the opposite side of the churn, and its fingers come intermediate to and between those of the dasher A, the fingers of the two dashers being of such size that they will not strike each other, but otherwise filling the space at the bottom of the churn, when both dashers are down to the lowest point. Each dasher is furnished with a stem, E and F, there being in the upper end of each a series of holes, in which are inserted the pins for holding the dashers in place. On the outside of the same side of the churn in which the main dasher A is placed are attached a pair of cog-wheels, one large and the other small, and to the large wheel is fastened a hand-crank. Upon the small one is fastened a short crank, which receives a connecting-rod, by means of which it is connected, through a cross-head at its upper end, with the stem of the dasher A. This cross-head last mentioned is guided by a slot in the end board of the churn, which extends upward to the proper height for that purpose.

To use the churn, pour in the cream; put the cover in its place; slip the pin in the stem of the dormant dasher D, at the proper hole to fasten the dasher upon the bottom of the churn. Then adjust the dasher A, so that it will just strike the bottom of the churn. This is done by putting the wrist-pin of the cross-head into the upper hole in the top of the stem E. Now turn the hand-crank until the butter is produced. Then, to gather the butter, withdraw the pin from the stem F of the dormant dasher, and raise that dasher to the top of the cream, where it must be fastened. Raise the dasher A to the top of the cream, and then turn the crank with a steady motion until the butter is gathered, when remove the cover and dashers, and the butter is easy of access. After the churn is emptied of its contents, it is readily cleaned by churning first cold and then hot water, which will leave it clean and sweet for future use.

Experienced butter-makers have decided that the dasher-churn is the best in use, and I claim to accomplish, in the use of the dashers, the requisites of a good churn, viz, thorough work and economy of time. Butter has been made in the accompanying model, in three minutes from cream, and in seven minutes from milk. This churn is also much cheaper of construction than most other churns.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The construction, arrangement, and operation of the dashers, as and for the purpose specified.

ARBA M. SEYMOUR, JR.

Witnesses:

O. E. WOODBURY,

J. E. MANN.