E. MITCHELL.

Churn.

No. 2,102.

Patented May 22, 1841.

Fig. 1

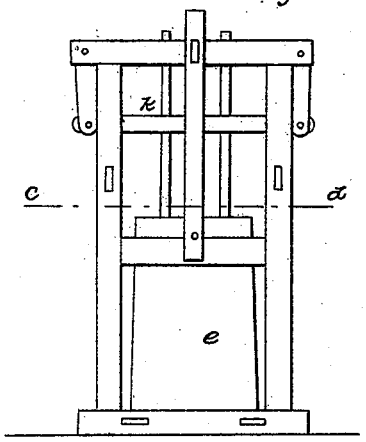


Fig. 2

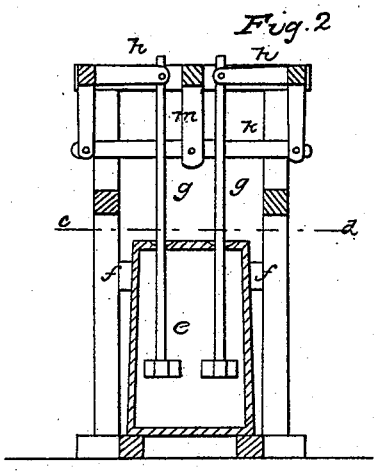


Fig. 3

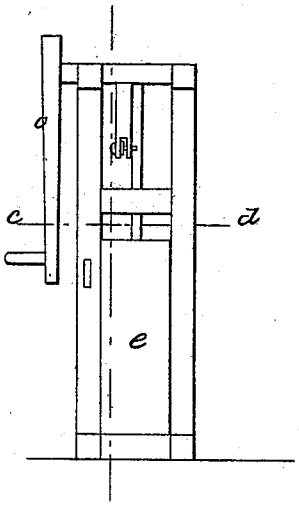


Fig. 4

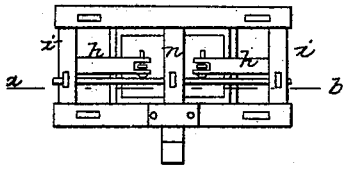
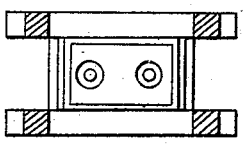


Fig. 5



UNITED STATES PATENT OFFICE.

ENOS MITCHELL, OF PITTSTON, MAINE.

DOUBLE-DASHER CHURN.

Specification of Letters Patent No. 2,102, dated May 22, 1841.

To all whom it may concern:

Be it known that I, ENOS MITCHELL, of Pittston, in the county of Kennebec and State of Maine, have invented a new and useful Machine in Churning; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side elevation, Fig. 2, a vertical section, Fig. 3 an end elevation, Fig. 4, a top view, and Fig. 5 a horizontal section.

To enable others to make and use my improvement, I will proceed to describe its construction and operation. I construct a frame say four feet high, two feet wide, and one foot two inches deep, the posts and cross bars being three inches square. Into this frame I place a churn (*e*, Figs. 1, 2, and 3) one foot four inches wide, two feet high, and eight inches deep. A cross bar (*f*, Fig. 2,) is so constructed that it can be removed for admitting the churn and rendering it secure while in use. In the cover of the churn (Fig. 5) are two apertures for the purpose of admitting two dashers (*g g*, Fig. 2) the upper ends of which are made fast to an arm (*h*, *h*, Figs. 2 and 4). The other end of the arm is mortised into a cross bar (*i*, *i*, Fig. 4) which turns on a pivot in the frame. To this cross bar (*i i*, Fig. 4) there is another arm constructed similar to the last mentioned arm perpendicular and at right angles with the first arm mortised into the cross bar (*i i*, Fig. 4). These two perpendicular arms are now to be connected by a horizontal bar (*k*, Figs. 1 and 2) by pins as shown on the drawings.

A shaft should now be constructed which is to be placed on the center of the caps of the frame (as *n*, Fig. 4) which should be allowed to project say four inches by the frame. At the center of this shaft (*n*, Fig. 4,) there should be a perpendicular lever or arm (*m*, Fig. 2) mortised into the shaft and attached to the horizontal bar (*k*, Fig. 2,) precisely like those at the ends of the horizontal bar and of the same dimensions. The main shaft (*n*, Fig. 4,) is to turn freely on the caps of the frame. At the end of the shaft (*n*, Fig. 4) which projects by the frame a long perpendicular lever is to be attached (as *o*, Fig. 3). This lever should be two feet long and at the lower end of it a pin or handle should be made as shown on the drawing, Fig. 3. To this pin or handle the power is applied and by swinging this lever (*o*, Fig. 3) as a pendulum the dashers (*g g*) are operated the one rising while the other is forced down. When the churn has been used, the pins at the top of the dashers should be taken out, the cross bar (*f f*, Fig. 2) removed and the churn taken from the frame for the purpose of cleansing, &c.

What I claim as my invention and desire to secure by Letters Patent is—

The method of combining the two dashers of the churn by means of the bent levers *h h* and cross bar *k*, operated by the levers *m* and *o* attached to the shaft *n* as above described.

ENOS MITCHELL.

Witnesses:

B. F. CHANDLER,

DANIEL PIKE.