M. D. Wells,

Churn.

No. 752.
31. 756.

Patented Mar. 19. 1861.

Fig. I

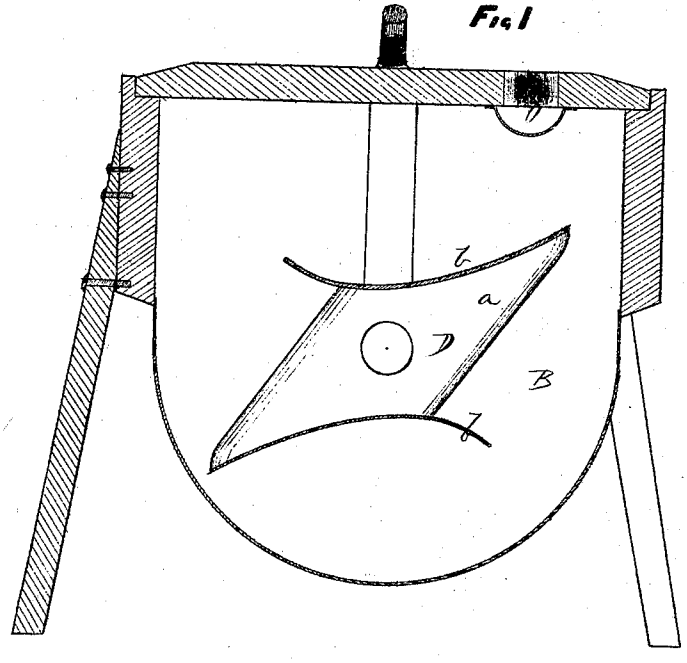
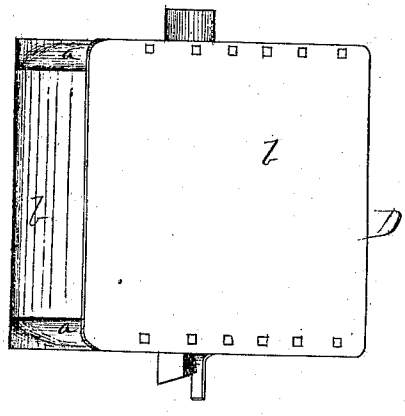


Fig. II



M D Wells
per Lues Patten
Atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

MOSES D. WELLS, OF MORGANTOWN, VIRGINIA.

CHURN-DASHER.

Specification of Letters Patent No. 31,756, dated March 19, 1861.

To all whom it may concern:

Be it known that I, MOSES D. WELLS, of Morgantown, in the county of Monongalia and State of Virginia, have invented a new and useful Improvement in Churns; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, forming part of this specification, in the several figures of which similar characters of reference denote the same part.

Figure 1 is a vertical section of the churn. Fig. 2 is a top view of dasher.

This improvement lies in the employment in a box receptacle of an oblique rotatory box dasher for the purpose of giving great agitation to the cream and also for collecting the butter in the best possible manner after it has been made, the details of construction and operation being as follows:

In the drawing B is the body of the churn to be made at bottom curving so as to conform to the movement of the dasher.

D is the dasher made up of two sides *a* and two curved face pieces *b* having projecting lips *b'* at diagonal corners forming a box dasher with two straight sides, two curved sides, and open on two sides. The journals are upon the outside of the sides, and are formed with suitable connections to facilitate the removal of the dasher. The action of this dasher in rotating is to create great agitation by the action of the face pieces *b b*. The dasher being hollow, a few slow turns of the same causes the butter to collect within the box so as to be removed in a lump. In this respect this construction of dasher has an advantage over other constructions of like nature. The box is supplied with air from above by opening *o*.

The object of the diagonal lips *b'*, *b'*, is, to gather the butter against, and prevent it from being thrown out of the box in turning it around. In churning, the box dasher may be turned rapidly. To gather the butter it is turned in the same direction, but at a greatly reduced speed.

I claim—

The oblique box dasher D constructed and operating substantially as set forth, that is to say, with two flat sides, two curved sides, and two open sides, and turned in the same direction for churning, and for gathering the butter, but at various velocities as mentioned.

In testimony whereof I have hereunto signed my name before two subscribing witnesses.

M. D. WELLS.

Witnesses:

A. WELLS,

W. E. WELLS.