(No Model.)

O. F. SCRIBNER.

CHURN.

No. 293,528. Patented Feb. 12, 1884.

Fig. 1.

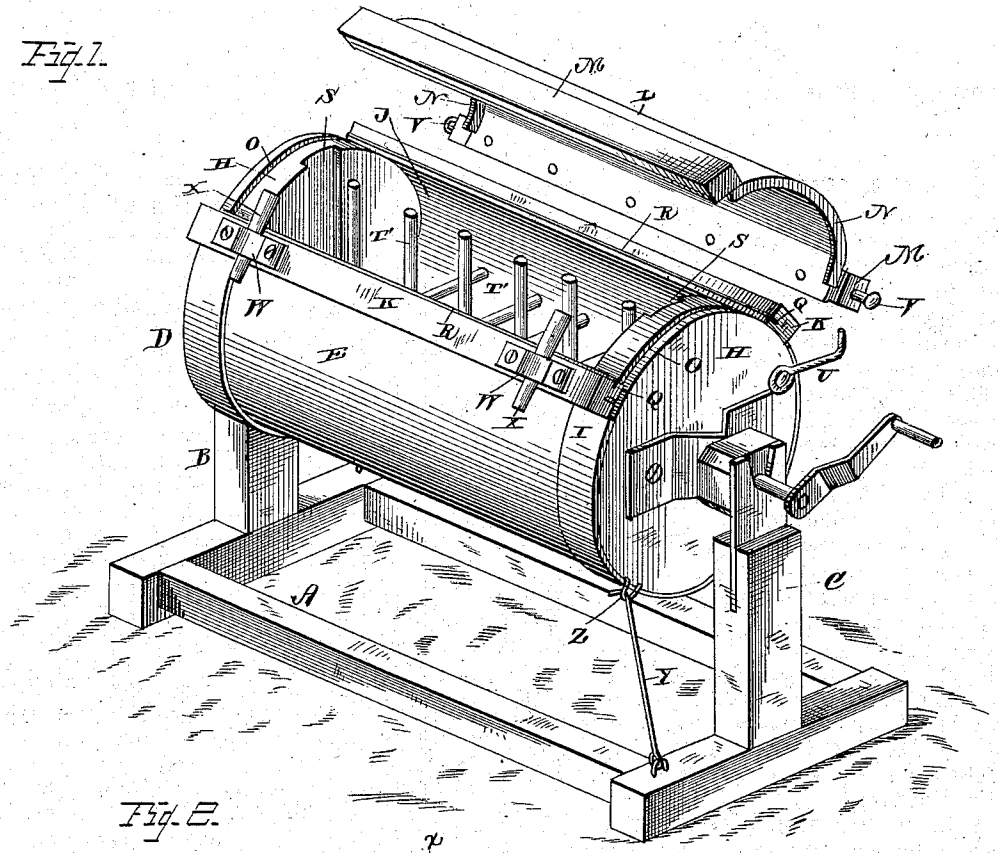


Fig. 2.

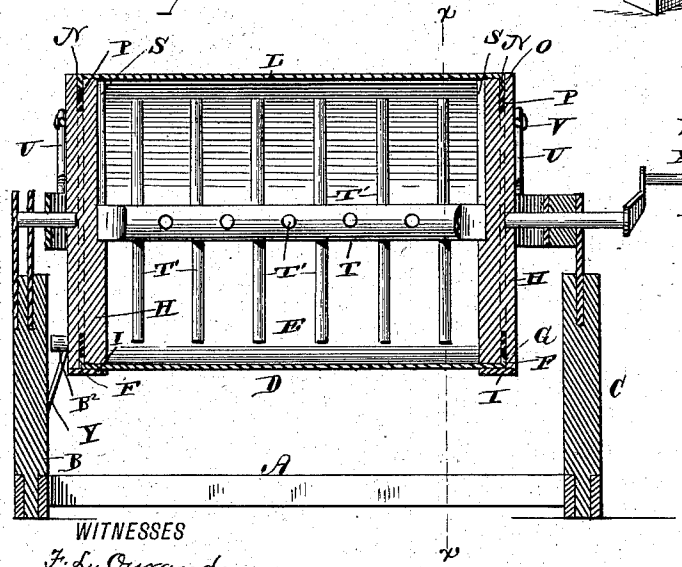
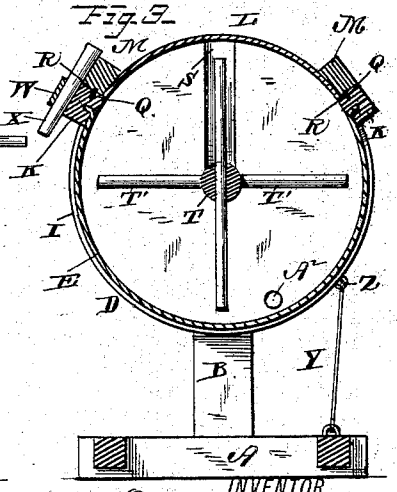


Fig. 3.



WITNESSES

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UNITED STATES PATENT OFFICE.

OCTAVUS F. SCRIBNER, OF BELLE FOUNTAIN, WISCONSIN.

CHURN.

SPECIFICATION forming part of Letters Patent No. 293,528, dated February 12, 1884.

Application filed August 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, OCTAVUS F. SCRIBNER, a citizen of the United States, residing at Belle Fountain, in the county of Columbia and State of Wisconsin, have invented a new and useful Churn, of which the following is a specification, reference being had to the accompanying drawings.

This invention relates to churns; and it has for its object to produce a device which shall possess superior advantages in point of simplicity, durability, and general efficiency.

To this end it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, Figure 1 is a perspective view of my improved churn, showing the cover of the same removed. Fig. 2 is a longitudinal vertical sectional view of the same, the cover being shown in position; and Fig. 3 is a vertical transverse sectional view on the line *x x* in Fig. 2.

The same letters refer to the same parts in all the figures.

A in the drawings designates a suitable frame, the ends of which are provided with uprights B C, forming supports for the revolving churn-body D. The latter consists of a cylinder, the heads or ends of which are formed of wood, while the sides are of sheet metal, preferably galvanized iron. The edges of the sheet-metal sides E are bent or creased, as shown at F, and enter peripheral grooves G in the heads H, thereby forming very tight joints, which are made additionally secure by the hoops or bands I, encircling the heads and the ends of the sides, as shown.

The churn-body D has an opening, J, at the sides of which are placed cleats K K, extending from end to end of the churn-body.

L is the cover, which is made of sheet metal, and provided with cleats M, secured to its sides, and with downturned ends N, adapted to enter the grooves O in the heads H. Placed in said grooves is packing P, of rubber or other suitable material. The inner sides of the cleats K are also provided with grooves Q, in which are placed packing-strips R, that project beyond said grooves, as shown.

The inner sides of the heads H of the churn-body are provided with radial grooves S, to receive the ends of the dasher T, which is thereby retained in position in the churn during operation. Said dasher consists of a central shaft or stem, having radially-projecting arms or beaters T′ T′, as shown.

To secure the cover in position during operation, I avail myself of the following fastening devices: U U are hooks pivoted to the heads H of the churn, and adapted to engage studs V, projecting from the ends of one of the cleats M of the cover. The cleat K, adjoining the other side of the cover, is provided with loops W, to receive a pair of wedge-shaped keys, X, adapted to press the adjoining cleat M of the cover tightly into place. By means of these fastenings the cover is held securely, and absolutely tight joints are formed by the packing arranged as herein described.

The ends of the churn are provided with trunnions adapted to rest in proper bearings, one of them being provided with a crank, whereby the churn-body may be turned. Hooks Y are pivoted to the frame and adapted to engage staples Z upon the churn, for the purpose of holding the latter stationary while the butter is being removed. An opening, A^2, stoppered by a plug, B^2, is also provided for draining off the buttermilk.

I claim as my invention and desire to secure by Letters Patent of the United States—

The combination of the churn-body D, having opening J, the cleats K, secured along the sides of said opening and having grooves Q, packing-strips R, placed in the said grooves, packing P, placed in grooves O in the heads H of the churn, hooks U, pivoted to the heads H, and loops W, secured upon one of the cleats K, with the cover having cleats M, downturned ends N, and studs V, and the wedge-shaped keys X, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

OCTAVUS F. SCRIBNER.

Witnesses:
EDWIN H. WEST,
CHARLES COMSTOCK.