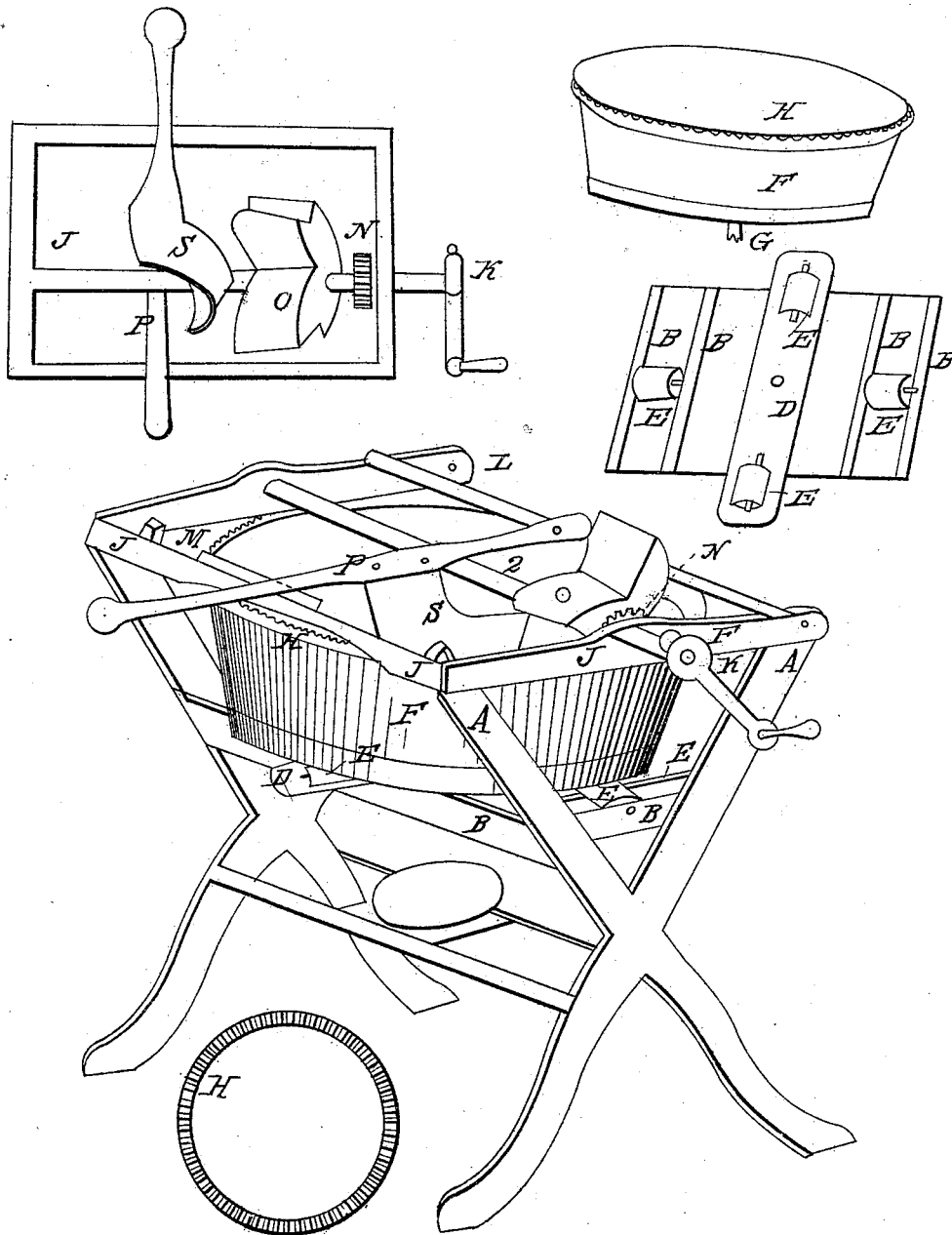


Butter Worker.

No. 2,419.

Patented Jan'y 8, 1842.



UNITED STATES PATENT OFFICE.

SETH BISHOP, OF REDDING, CONNECTICUT.

MACHINE FOR WORKING BUTTER.

Specification of Letters Patent No. 2,419, dated January 8, 1842.

To all whom it may concern:

Be it known that I, SETH BISHOP, of Redding, in the county of Fairfield and State of Connecticut, have invented a new and Improved Method of Working Butter in the Manufacture Thereof, and hereby declare that the following is a full and exact description thereof.

The nature of my invention is working butter by pressing and working out the whey and water out of the same after the butter comes from the churn by means of beaters or cams worked by a pinion and gearings.

15 This machine stands upon a square or other frame in the accompanying model and drawings marked A, A. There are two longitudinal sills or rails running across the frame the longest way marked B, upon which are placed two pairs of sills or girts or rails marked B, being four in number and a plank running parallel with the cross sills or girts in the center of the long sills marked D. Upon the transverse rails in the center of the same is a wooden or other roller with gudgeons marked E, and bearings on the girts or transverse sills. The roller rising half its diameter above the rails and at right angles with the rails at each end of the plank is inserted another roller and gudgeons and bearings parallel to the long sides of the plank and rising half its diameter above the plank rollers marked E. These four rollers are thus placed on the four sides of a square on the top of the sills and girts both longitudinal and transverse making a bed or rest upon which the tub or dish marked F, is placed and revolves horizontally upon said rollers. In the center of the plank is a hole with a tube of metal or other material acting as a tube and pivot marked G. The upper part of this tube is inserted into the bottom of the tub or dish and in the center thereof so that the tub turns around upon the four rollers on the sills or girts.

The tub is of wood or other material with a concave bottom and is wider or broader at the top than at the bottom and has near the top and on the outside thereof a gear of metal or wood marked H. When geared

with metal a circular ratchet gear is fitted to the tub or dish so as to receive the pinion on the axle or shaft. Also when geared with wood a ratchet may be formed on a prominent circle turned on the outside of the tub or dish sufficiently near the top to receive and be operated upon by said pinion on the said axle or shaft.

On the outside of the tub or dish and over the same is placed a frame work marked J, made up of four pieces of wood forming nearly a square two opposite sides of which serve as bearers to support an axle or shaft marked Q. Attached to one end of this axle is a crank marked K, which frame on one side is affixed to the frame A, by a hinge L, and is on the other side secured to the frame A, by a hook M.

On the above described axle there is affixed a pinion marked N, to mesh into the gear on the tub so that by turning the crank the tub is turned around resting on the horizontal wheels or rollers.

Inside of the top frame is mounted on the axle or shaft a beating wheel with four or more beaters or cams marked O. This beating wheel may be turned and carved out of a block of wood as may be seen in model or separate cams may be attached to the circumference of a small hub that is affixed to the axle. This wheel revolves within the tub and as near the sides and bottom thereof as may be chosen.

A regulator marked S, carved out of a block of wood convex on one side and concave on the other forming nearly a semicircle with the exception that one end of the semicircle is little more curved than the other this regulator is attached to a handle or lever marked P, resting on the frame work marked J, and secured there by means of a screw and slot the regulator projecting down into the tub nearly to the bottom standing between the outlet or tube and the beating wheel and may be moved to and from the tube by the left hand of the operator acting on the handle as best suits his convenience.

The butter being placed in the tub or dish and the crank being turned it is passed many times in rapid succession under the

beaters or cams of the beating wheel while the buttermilk escapes through the tube in the center. The regulator being placed in the tub deviating from the center thereof
5 it performs the office of keeping the butter constantly under the action of the beating wheel.

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

- 10 The combining of a movable tub F, with a revolving beating wheel O, together with

a regulator S, for forcing the butter under the beating wheel O, as herein described, the whole being constructed and operating in the manner specified. 15

Dated at Redding this 24th day of December, 1841.

SETH BISHOP.

Witnesses:

CHARLES DUNCOMB,
DAVID I. DUNCOMB.