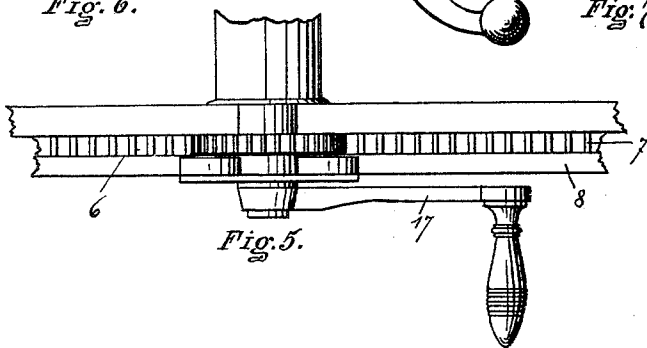
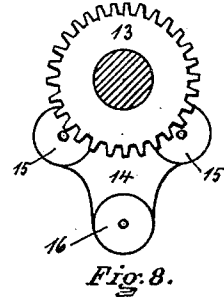
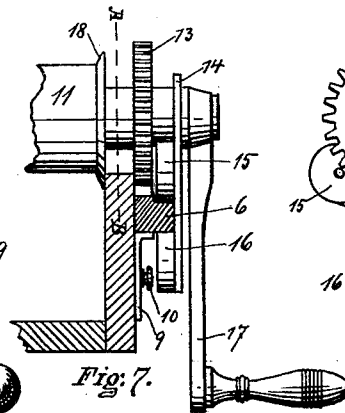
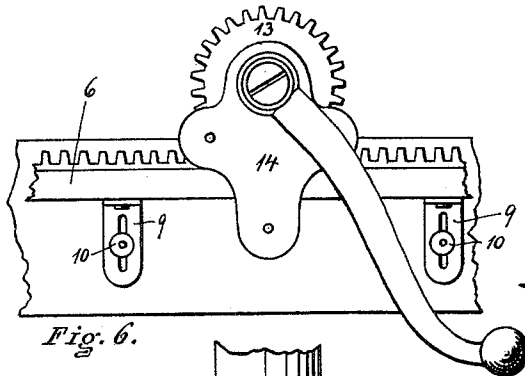
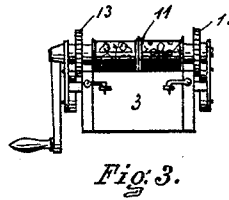
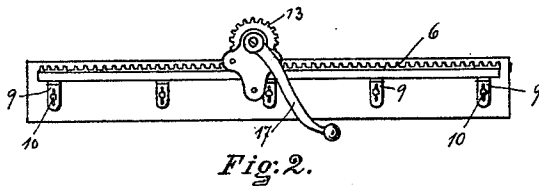
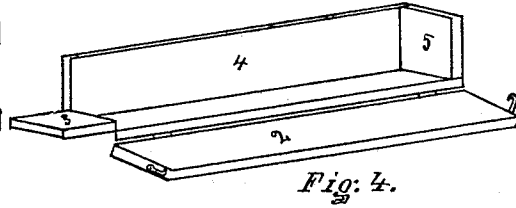
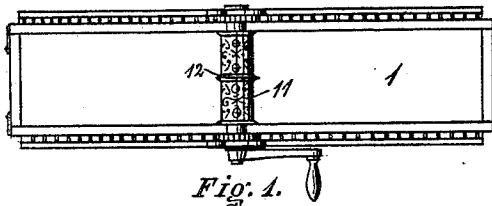


(No Model.)

C. M. BUCKINGHAM.
BUTTER PRINTER.

No. 460,943.

Patented Oct. 13, 1891.



WITNESSES.

Rich. A. George.

John S. Lacey.

INVENTOR.

C. M. Buckingham,
By *Ruby Perry*,
Attys.

UNITED STATES PATENT OFFICE.

CASSIUS M. BUCKINGHAM, OF UTICA, NEW YORK, ASSIGNOR OF ONE-HALF
TO FRANK L. JONES, OF SAME PLACE.

BUTTER-PRINTER.

SPECIFICATION forming part of Letters Patent No. 460,943, dated October 13, 1891.

Application filed June 1, 1891. Serial No. 394,679. (No model.)

To all whom it may concern:

Be it known that I, CASSIUS M. BUCKINGHAM, of Utica, in the county of Oneida and State of New York, have invented certain
5 new and useful Improvements in Butter-Printers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains
10 to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention relates to an improvement in
15 butter-printing devices.

In the drawings which accompany and form part of this specification, and in which similar figures of reference refer to corresponding parts in the several views, Figure 1
20 shows a top view of my improved butter-printing device. Fig. 2 shows a side elevation of the same. Fig. 3 shows an end elevation. Fig. 4 shows the mold open. Figs. 5 to 8, inclusive, show details of construction on an enlarged
25 scale.

Referring more specifically to the reference-numerals marked on the drawings, in a more particular description of the device, 1 indicates the mold or form used in my butter-
30 printing device, which is provided with a hinged side 2, a hinged end 3, and fixed side 4, and a fixed end 5. The movable side and end are provided with suitable hooks or securing devices for securing the side and end
35 of the mold in closed position. On either side of the mold is provided a rack 6, having a series or row of teeth 7, and a plain track 8. The rack 6 is provided with downwardly-projecting slotted lugs 9, through which engage
40 set-screws 10 for adjustably securing the rack to the side of the mold. Extending across the mold is a printing-roller 11, having suitable configurations for printing or stamping the butter and edges or rims, as 12, for marking
45 the butter into separate cakes or prints. On either end of the roller or shaft thereof are provided equal cog-gears 13, adapted to engage in the teeth of the rack 6, and on the outside of the cog-gears 13 and mounted on
50 the shaft is a retaining-carriage 14, having a bearing in which the shaft of the printing-

roller engages, and two anti-friction rollers or pulleys 15, adapted to run on the upper side of track 8, and one anti-friction roller or pulley 16 in a vertical line midway between
55 the rollers 15 and adapted to run on the under side of track 8. On either end of the printing-roller is provided a rim 18, adapted to run or cut closely inside of the sides of the mold, as will be understood from Fig. 7. It
60 will also be noticed that there is a considerable space between the shaft on which the roller is mounted and the edge of the side, so that a considerable vertical adjustment of the roller with reference to the mold is per-
65 mitted. The roller is provided with an operating-crank 17, secured to one end thereof.

The operation of the device is substantially as follows: The mold being in closed position, as shown in Figs. 1 and 2, and filled with but-
70 ter, the printing-roller, with its cog-gears, is engaged at one end of the box or mold in the racks and, being rotated by means of crank 17, caused to pass from one end of the box to the other, where it may be removed, having
75 impressed and divided the surface of the butter into prints. The movable side and end of the box may then be let down and the prints separated by a butter-spade and removed. The thickness of the prints may be changed
80 by loosening the set-screws 10 on each side of the case and adjusting the racks up or down.

I am aware that butter-workers with a table having sides, and a working-roller spanning the table, having gears engaging in racks on
85 either side, have been heretofore provided, and I do not claim that construction, the object of my invention being to print or mold the butter after it has been worked in the usual manner in a butter-worker.
90

What I claim as new, and desire to secure by Letters Patent, is—

1. The herein-described butter-printing device having a mold with movable or hinged side and end, a printing-roller spanning the
95 mold, vertically-adjustable racks and tracks on either side of the box, cog-gears at either end of the roller engaging the racks, and the retaining-carriage having two wheels on the upper side and at each side of the vertical
100 line through the roller, adapted to run on the track, and a single roller in the vertical line

through the shaft, adapted to run on the under side of the track, substantially as set forth.

2. The herein-described butter-printing device having a mold with a hinged side and end, a configured printing-roller having edges for dividing or marking the division in the surface of the butter, vertically-adjustable racks 6 on either side of the mold, having cog-teeth 7 and plain track 8, cog-gears on either end of the roller adapted to engage in the teeth of the racks, and retaining-carriage 14, having rollers 15 15 on either side of a vertical line through the shaft, adapted to engage on the upper surfaces of track 8, and a roller 16 in the vertical line of the shaft, adapted to engage on the under side of track 8, substantially as set forth.

3. The herein-described butter-printing device having a mold with hinged side and end, the rack 6 on either side of the mold, verti-

cally adjustable by means of slotted ears 9 and set-screws 10 and having a row of cog-teeth 7 and plain track 8, a configured printing-roller spanning the box and having projecting edges for marking divisions in the surface of the butter, cog-gears on either end of the printing-roller adapted to engage in the teeth on rack 6, retaining-carriage 14, having a bearing engaging the shaft of the printing-roller, and rollers 15 15 on either side of a vertical line through the roller, adapted to engage on the upper surface of track 8, and roller 16, adapted to engage on the under side of track 8, and operating-crank 17, all combined as set forth.

In witness whereof I have affixed my signature in presence of two witnesses.

CASSIUS M. BUCKINGHAM.

Witnesses:

M. E. ROBINSON,
JOHN S. CASEY.