Stern & Robinson,

Butter Mold.

No. 109070. Patented Nov. 8. 1870.

Fig:1.

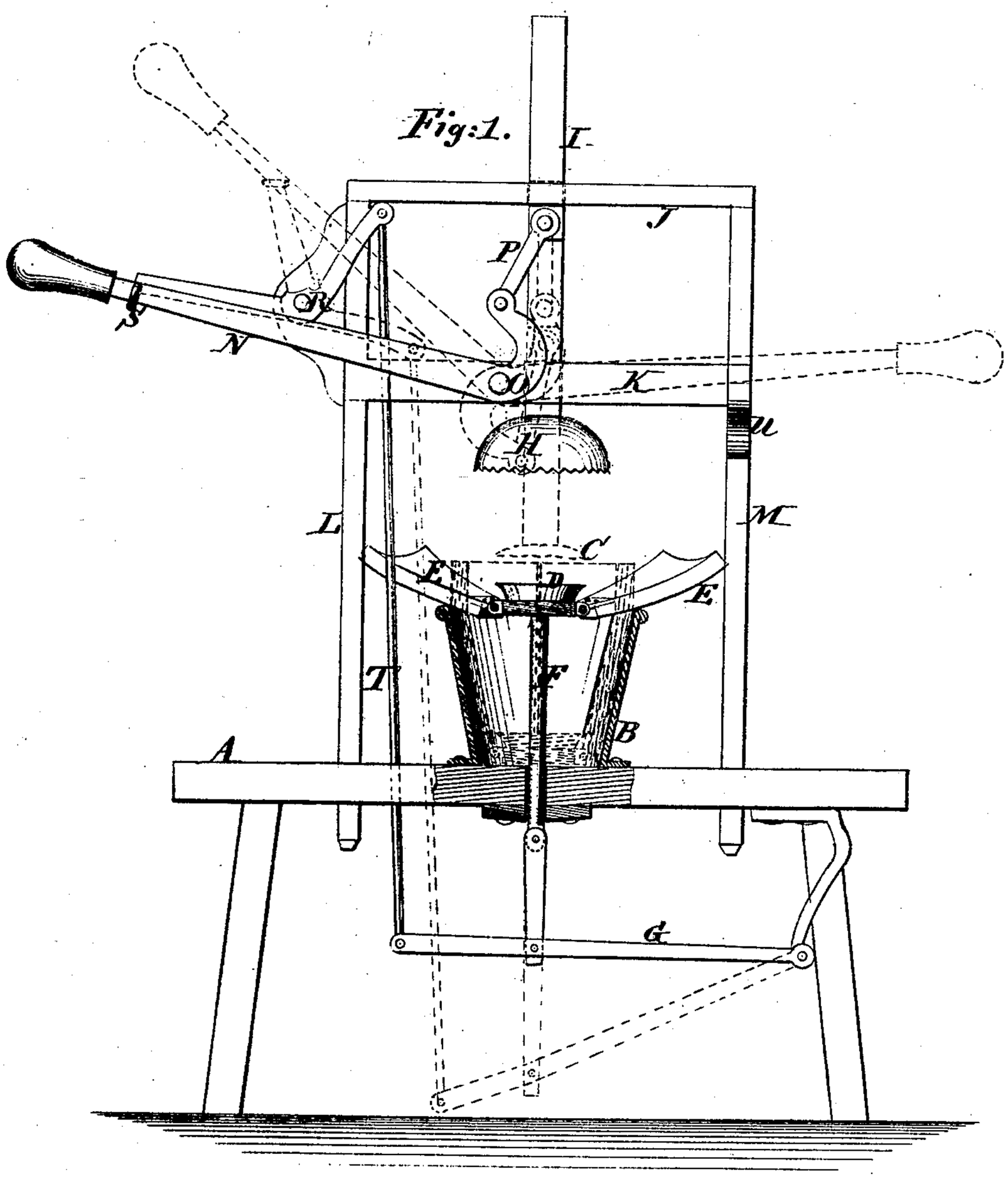
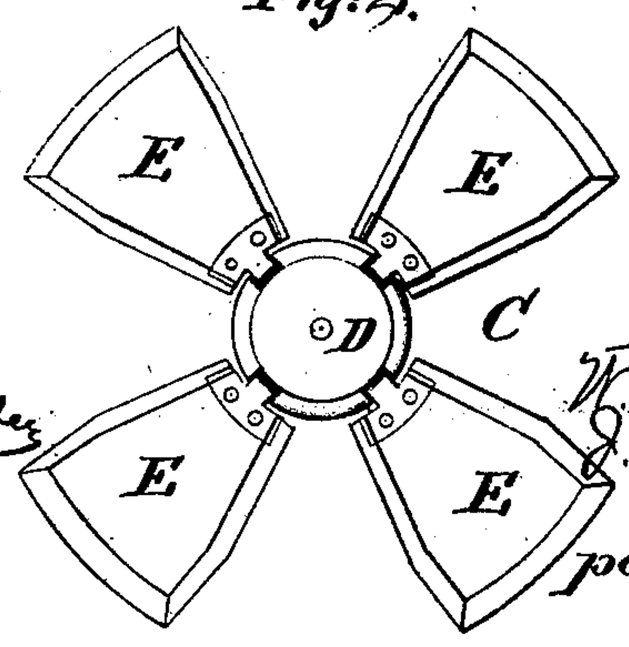


Fig:2.



Witnesses

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WILLIAM C. STERN AND JAMES W. ROBINSON, OF LONDON GROVE, PENNSYLVANIA.

Letters Patent No. 109,070, dated November 8, 1870.

IMPROVEMENT IN BUTTER-PRINTERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that we, WILLIAM C. STERN and JAMES W. ROBINSON, of London Grove, in the county of Chester and State of Pennsylvania, have invented a new and useful Improvement in Butter-Printer; and we do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to a new and useful improvement in machines for printing butter in the process of preparing it for market; and

The invention consists in a sectional mold, constructed and operating as described, and in the construction and arrangement of parts connected therewith, as hereinafter more fully set forth.

In the accompanying drawing—

Figure 1 represents a sectional elevation of the machine.

Figure 2 is a view of the sectional mold, detached, and represented as open.

Similar letters of reference indicate corresponding parts.

A is a bench, of suitable size and height, to which is attached the funnel-shaped receptacle for the mold, marked B.

This funnel may be made of either metal, wood, or other suitable material.

C is the mold, which is formed of a bottom, D, and four, more or less, sections, E, which are hinged to the bottom, as seen in the drawing.

When these sections E, with the bottom, are placed inside of the funnel B, they close together and form a tight mold.

The lower portion of the staves are made to conform to the diameter and shape of the funnel.

Above the funnel the sides project and are vertical, as represented in dotted lines, but the sections are so proportioned as to form, when in the funnel, a tight vessel or mold for receiving the butter.

F is a rod, attached to the bottom of the mold, and, extending down through the bench, is connected with the bar G.

H is the print-die, on the lower end of the bar I.

This bar is supported by the cross-pieces J and K, which connect the two stands L and M on the bench A.

The print-bar I is given a vertical motion through cross-pieces J K by means of the lever N.

The fulcrum of this lever is at the point O on the cross-piece K, and its short end is connected with the print-bar I by the rod P.

R is a bell-crank, connected with the stand L by a bracket.

One end of the bell-crank has a projecting hook, S, which receives the lever when the latter is depressed for raising the print-die, as seen in the drawing.

The other end of the bell-crank is connected with the bar G by the rod T.

As seen in the drawing, the machine is ready for the removal of the print of butter.

The die has been raised, and the mold has been forced up till its bottom is on a level with the top of the funnel.

In this position the sections E fall to nearly a horizontal position by their own gravity, as seen in the drawing.

This position of the mold is secured by forcing the lever N down, and with it the bell-crank hook S, as seen, which throws up the other arm of the bell-crank, and thereby forces the mold from the funnel.

When the lever is raised to the position seen in dotted lines the mold is returned to the funnel, but the die is still held in a central position directly over it.

When in this position the butter to be printed is placed in the mold, and the lever is brought over to a nearly horizontal position, as seen in dotted lines on the right hand of the drawing, thereby forcing down the die and pressing the butter into the mold, and leaving its impression on the top of the butter.

From this position the lever is thrown back to the opposite side, thereby raising the die, and forcing up the mold ready to remove the butter, as first described.

U is a projection on the stand M, which acts as a stop when the lever is thrown over to the right for making the impression.

Having thus described our invention,

We claim as new and desire to secure by Letters Patent—

1. A mold for printing butter, made in sections, so as to close up to receive the butter, and open or spread and leave the butter, by means of any suitable mechanism, substantially as described.

2. The funnel B, in combination with the mold C, and operating mechanism, substantially as described.

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Witnesses:
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