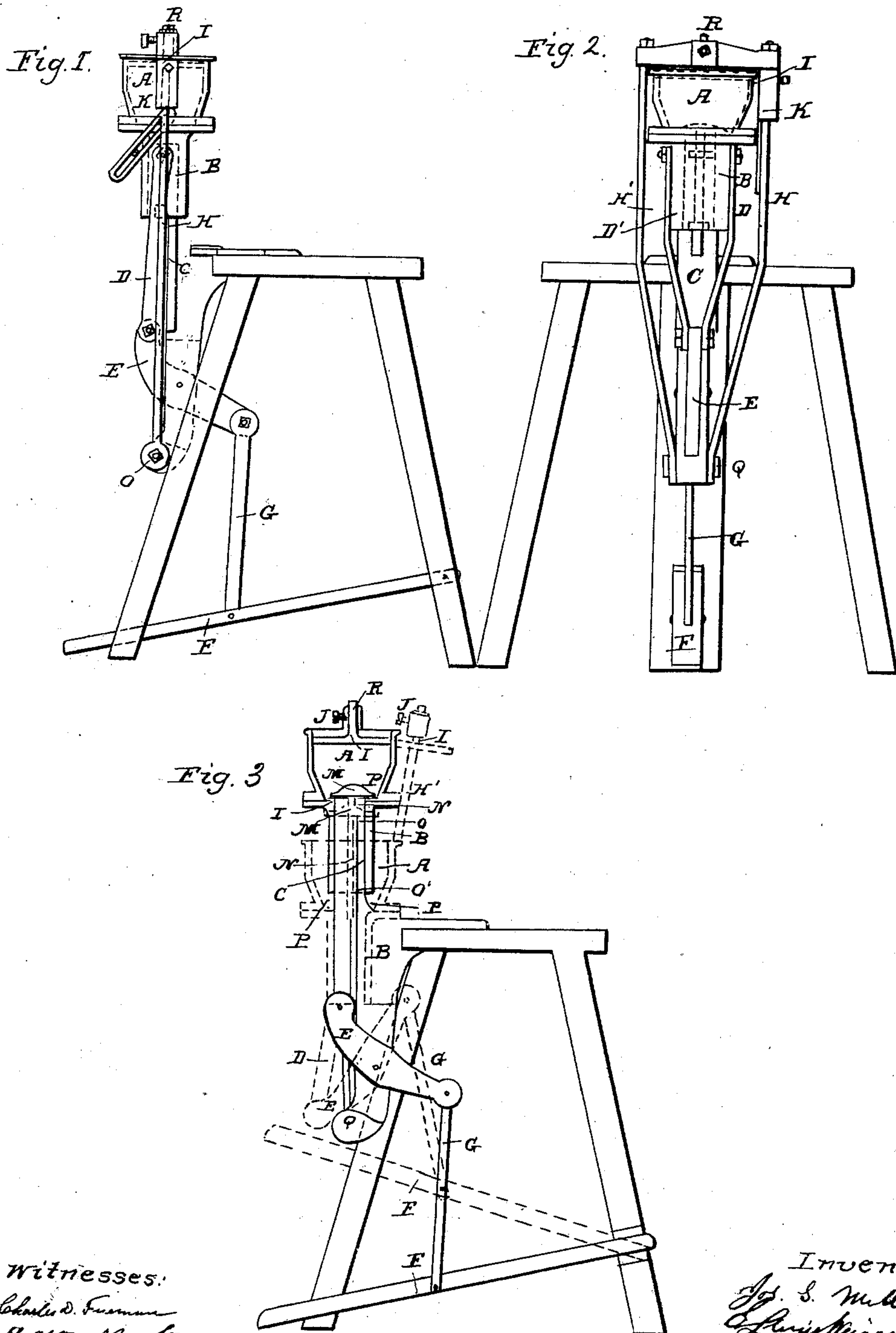


MILLER & WIEGAND.
Butter Printing Machine.

No. 28,394.

Patented May 22, 1860.



Witnesses:
Charles D. Furman
Alison Naylor

Inventors:
J. S. Miller
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UNITED STATES PATENT OFFICE.

JOS. S. MILLER AND S. LLOYD WIEGAND, OF PHILADELPHIA, PENNSYLVANIA.

MACHINE FOR PRINTING BUTTER.

Specification of Letters Patent No. 28,394, dated May 22, 1860.

To all whom it may concern:

Be it known that we, JOSEPH S. MILLER and S. LLOYD WIEGAND, both of the city of Philadelphia and State of Pennsylvania, have invented a new and useful Improvement in Machines for Printing Butter.

The nature of this improvement consists in moving the mold during the act of printing, and in leaving the printed butter in a state of rest at the time of withdrawing the mold, and also, in the particular arrangement of mechanism for effecting this result, of which arrangement the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification.

Figure 1 is a side elevation, Fig. 2 is a front elevation and Fig. 3 is a vertical section, showing in red the position of the working parts when the mold is open. The same letters refer to the same parts in the several figures.

A is the mold, of a form adapted to give the desired shape to the prints, attached to and moving with the slide B upon the guide C perpendicularly when moved by the links D and D' conveying motion from the lever E which is operated by the treadle lever F by means of the link G; HH is a metallic frame or strap susceptible of motion upon a bolt or fulcrum Q and bearing a printing block or follower I secured by a set screw J pinching upon the stem R; K is a plate attached to the strap H having a slot S, of such a form as to produce a forward motion of the strap HH from the pin L (shown only in Fig. 2) fixed upon the mold A sliding down in the slot S when the mold A is opening thus removing the strap HH and printing block I to the position figured in red in Fig. 3, affording free access to introduce to and remove the butter from the machine, and when the mold A is closing a contrary effect is produced, the print I being brought into a position concentric to the mold by the operation of the pin L sliding upward in the slot S in the plate K: a follower or bottom M participates to a limited

extent in the motion of the mold A and is guided vertically by the stem N passing through the lugs O and O' and in opening the mold is arrested in its descent by coming in contact with the lug O in such a manner that the printed butter rests upon it (M), and is ready for removal upon the further descent of the mold A.

The operation of this invention is as follows: The machine standing in the position figured in red (Fig. 3) has placed upon the follower M the lump of butter to be printed, and upon depressing the treadle F the slide B and mold A rises and lifts the follower M upon the flange P, P, and thus presses the butter against the printing block I, which by the operation of the pin L in the slot S in the plate K attached to the frame H H has been brought into a position concentric with the mold A during the upward travel of it (A); upon relieving the pressure upon the treadle the mold A and slide B fall leaving the printed butter upon the follower M resting upon the lug O, and the strap H H and the print I move forward so as to give free access to remove the printed butter.

We do not claim as new the pressing of butter into lumps of any desired form by means of a mold with a piston in the upper part to produce pressure and a piston beneath the butter capable of rising to discharge the printed or pressed lump from the mold the same having been done in a device patented by W. S. Reinert in 1854, but:

What we claim as our invention and desire to secure as such by Letters Patent is—

1. The mold A and follower or piston M and the lug O used in the manner and for the purposes described.

2. The treadle F, link G, lever E, and links D and D' operating the mold A and piston M substantially in the manner and for the purposes described.

JOS. S. MILLER.
S. LLOYD WIEGAND.

Witnesses:

CHARLES D. FREEMAN,
MASON NAYLER.