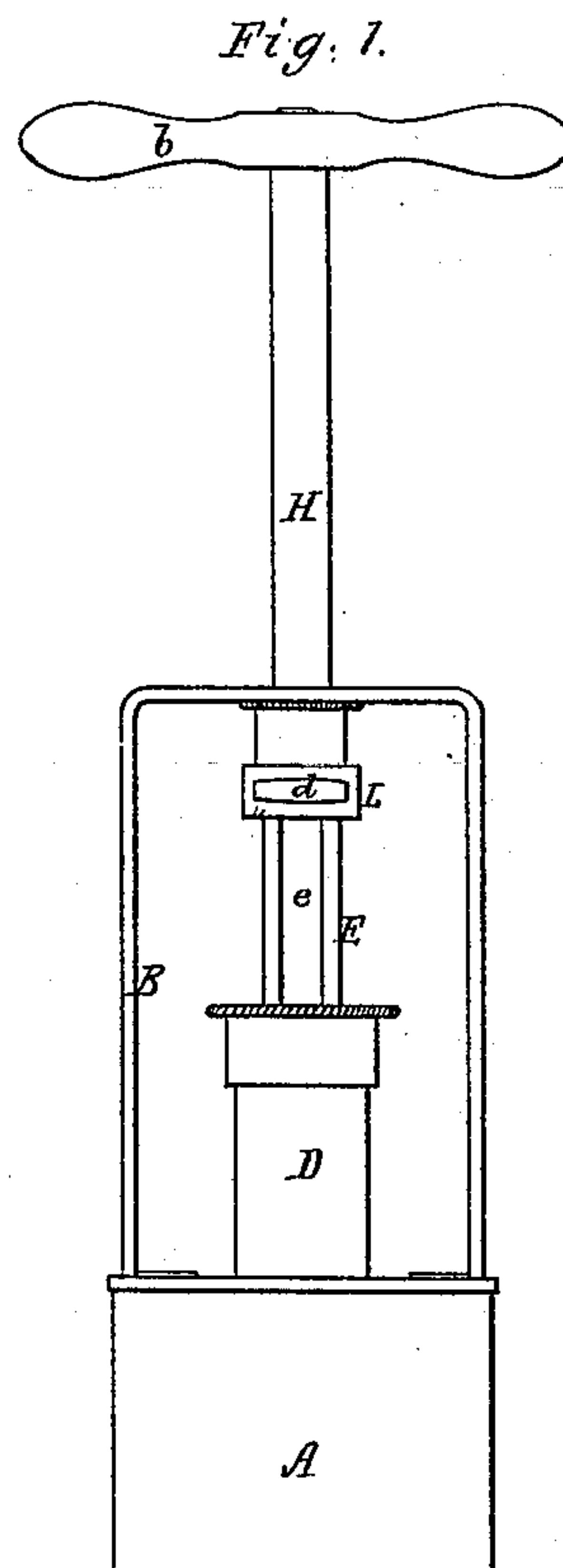
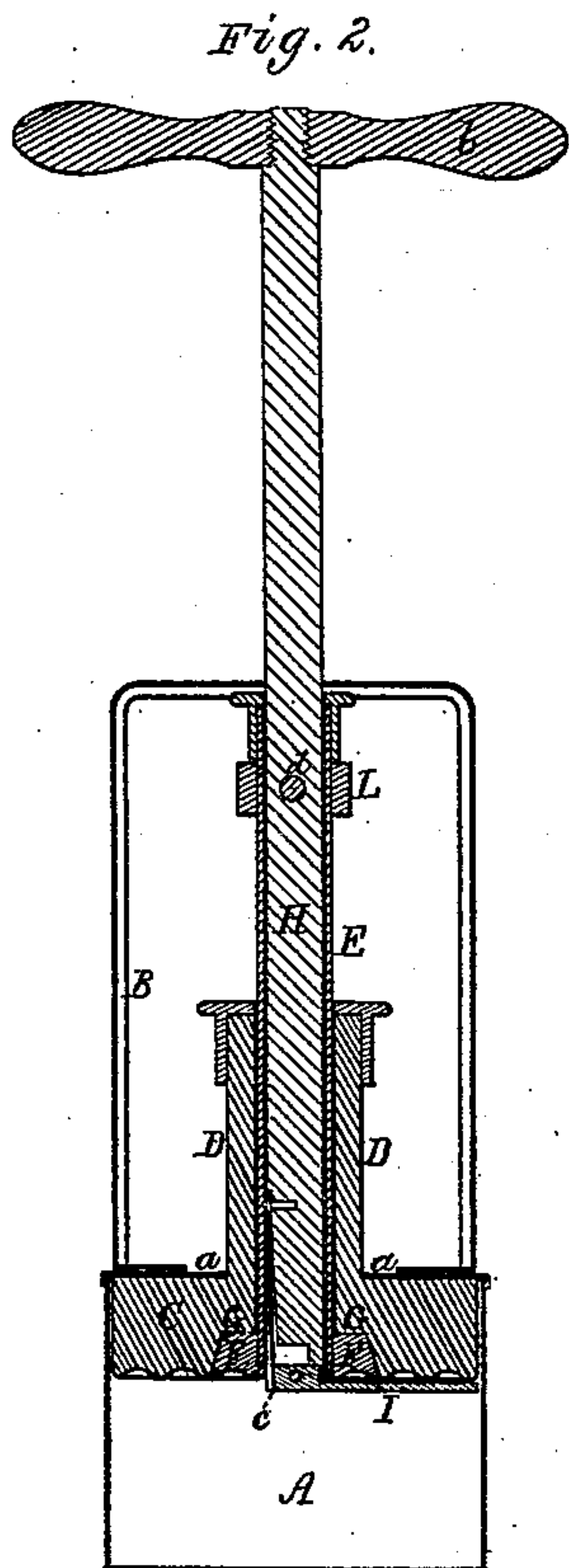


F. HIRST.
BUTTER-MOLD.

No. 187,275.

Patented Feb. 13, 1877.



Witnesses.
S. M. Piper
L. W. Müller.

Frank Hirst.
by his attorney.
R. H. Eddy

UNITED STATES PATENT OFFICE.

FRANK HIRST, OF PITTSFIELD, MASSACHUSETTS.

IMPROVEMENT IN BUTTER-MOLDS.

Specification forming part of Letters Patent No. 187,275, dated February 13, 1877; application filed January 12, 1877.

To all whom it may concern:

Be it known that I, FRANK HIRST, of Pittsfield, in the county of Berkshire, of the State of Massachusetts, have invented a new and useful or Improved Machine for Molding and Stamping or Printing Butter; and do hereby declare the same to be described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 a longitudinal and transverse section of it.

The machine, hereinafter explained, is composed of an open mold, a handle thereto, a stamp with a tubular handle, a slotted tube, a collar, a molding-head, together with a rod provided at one end with a handle and at the other with an arm, all being essentially as set forth, the said machine being exceedingly efficient for the purpose for which it is intended.

In such drawings, A denotes the mold open at its mouth or lower end, and provided with the tubular handle B, such mold being cylindrical or otherwise properly shaped. A stamping or printing piston, C, is arranged within such mold, its handle D being projected through the mold-head *a*, in manner as shown. A tubular piston-rod, E, extends lengthwise through the printing or stamping piston C and its handle D, and has fixed to it a small head, F, which, when up against the piston C, closes into a recess, G, made therein, and serves with such piston to effect the stamping or printing of the butter. A rod, H, arranged lengthwise in, and extended through, the tube E and the handle B, in manner as represented, is provided at its upper end with a handle, *b*, and at its lower end with an arm or knife, I. This arm or knife is pivoted to the rod H as the blade of a pen-knife is to its handle—that is, it is applied thereto, so as to be capable of being turned either into line with the rod or down to a right angle therewith, a spring, *c*, like that of a pen-knife blade, and fixed to the rod, serving to hold the arm or knife in either of its extreme positions.

A ring or collar, L, encompasses the tube E, and is fastened to the rod H by a screw, *d*. Furthermore, the tube E is slotted lengthwise,

as shown at *e*, in order for it to slide lengthwise on the rod H.

Preparatory to using the machine the arm I should be turned down into a right angle with the spindle or rod H, and the latter with the stamping piston should be drawn back within the mold. Next, the mold should be plunged into a mass of butter, until filled therewith. Next, the rod H should be forced down into the butter, so as to carry the arm I to the mouth of the mold, after which the rod H should be revolved, so as to cause the arm or knife to cut into the butter in a manner to separate the mass of it in the mold from the rest. Next, the mold filled with butter should be withdrawn from the mass, and the arm should be turned up into range with the rod H. Next, the rod H should be moved so as to force the collar L against the stamping-piston handle, and advance it and the piston in the mold, whereby the printed mass of butter against the piston will be expelled from the mold. This having been done the next operation is to move forward upon the rod H the tube E, so as to cause the head F to crowd the butter off the said rod.

From the above it will be seen that if the mold is made to hold, when full, any given quantity or weight of butter—as a quarter of a pound, for instance, we have by the machine means not only of making molded masses of butter of such weight, but of stamping or printing each on one end, the piston C being supposed to be formed with a suitable print to effect the stamping of the butter upon one end of it.

I claim as my invention—

The butter molding and stamping machine, substantially as described, composed of the open mold A, handle B, stamp C, tubular handle D, slotted tube E, collar L, head F, rod H, and arm or knife I, all arranged and applied essentially in manner and to operate as and for the purposes as explained.

FRANK HIRST.

Witnesses:

SYLVESTER L. YOUNG,
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