R. M. MARSHALL.
Candy-Machine.

No. 212,811. Patented Mar. 4, 1879.

Fig. 1.

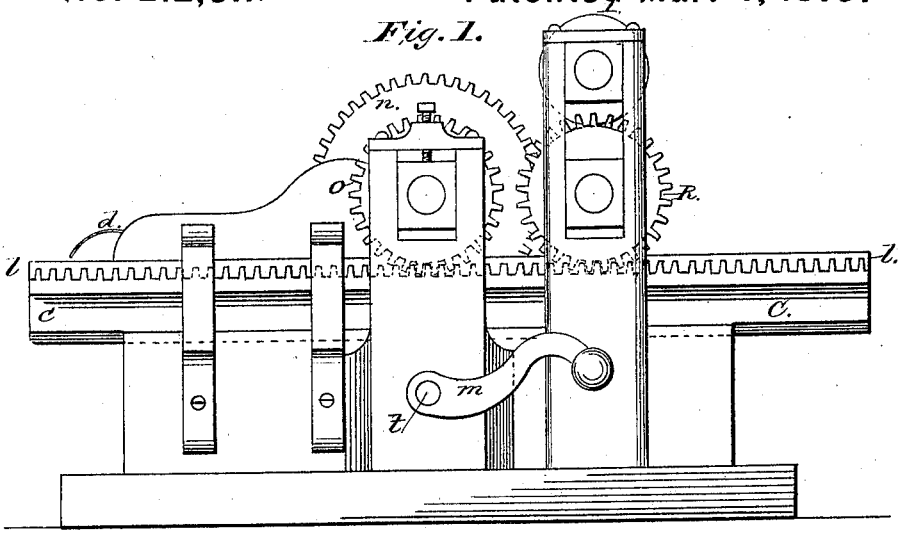
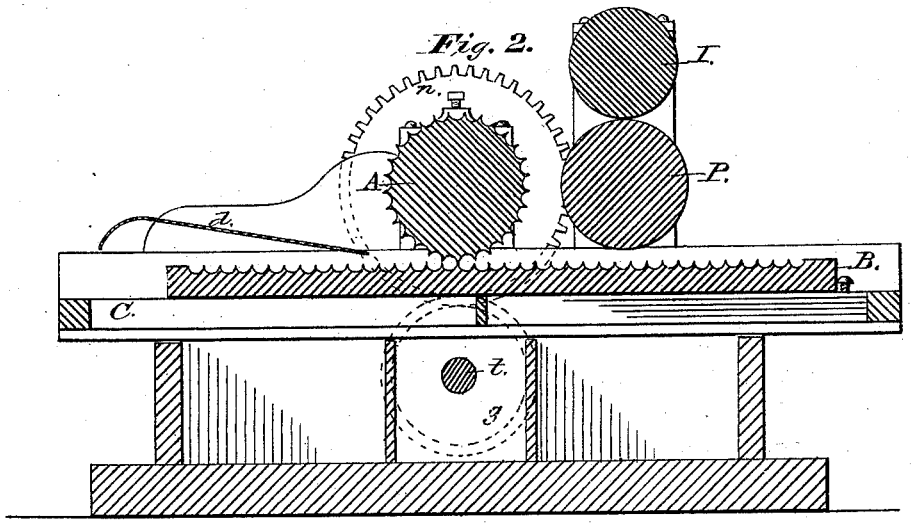


Fig. 2.



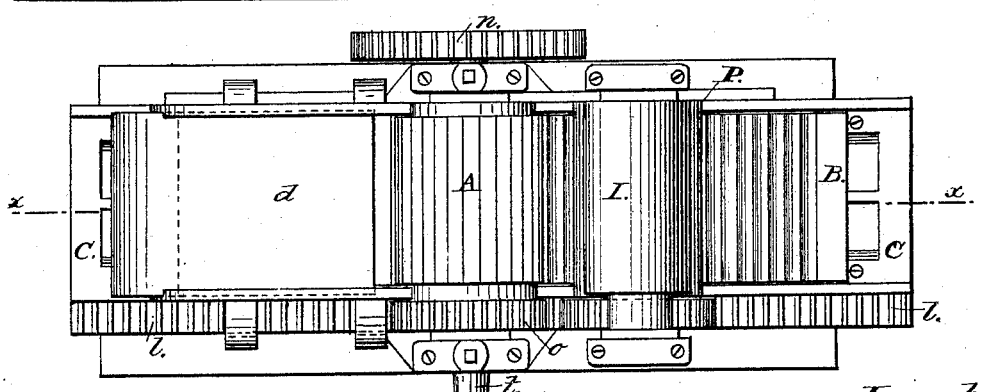
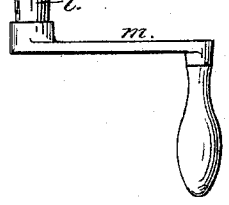


Fig. 3.



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UNITED STATES PATENT OFFICE.

ROBERT M. MARSHALL, OF DAYTON, OHIO.

IMPROVEMENT IN CANDY-MACHINES.

Specification forming part of Letters Patent No. **212,811**, dated March 4, 1879; application filed November 7, 1878.

To all whom it may concern:

Be it known that I, ROBERT M. MARSHALL, of the city of Dayton, in the county of Montgomery and State of Ohio, have invented a new and useful Improvement in Candy-Machines, of which the following is a specification:

The invention relates to a machine for molding or forming toys, sticks, caramels, lozenges, and other candies, and also to a device connected therewith for printing lozenges.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a side elevation of a machine embodying my invention. Fig. 2 is a vertical section of the same through the plane *x* in Fig. 3; and Fig. 3 is a plan of the machine.

In the candy-toy machines in common use the candy, in a plastic state, is forced between two geared rolls, in the face of which are the molds or dies.

I use but one roll, and in the place of the other a horizontal table, which has a motion or travel equal to and coincident with that of the face of the roll. The molds are cut in the face of the roll and in that of the table.

A is the roll; B, the table; C, the carriage upon which the table B rests, and by which it is carried along as the roll revolves. This table is easily removable from the carriage, so as to allow of its being readily emptied of the formed candy. *d* is an apron or chute, upon which the candy to be operated upon is fed into the machine.

Force being applied to the handle of the crank *m*, motion is given through the shaft *t* to a pinion, *g*, on its opposite end, which engages with the cogs of the wheel *n*, which causes the roll A to revolve, as also the gear-wheel *o*, which has a diameter equal to that of the roll, and which, working into the rack *l*, imparts a motion to the carriage C equal to that of the face of the roll.

After a batch of candy has been run through the machine, and the molded product is lying upon the table B, the operator lifts it from the carriage, and turning it upside down drops the candy upon his bench or tablet. He then replaces the table upon the carriage, and, running it back to the place from which it started, is ready to repeat the operation.

The drawings show the roll and table as containing grooves or molds for forming round or stick candy; but it is evident that an endless variety of forms may be thus molded, and the name of the manufacturer or other device may be impressed thereon.

The additional device for printing lozenges in colors, &c., may be added or not, as desired. It consists of a cylinder, P, carrying type or embossed letters or other device, and of the inking-roller I. The printing-cylinder may derive its motion from the rack *l* through the wheel R, as shown in the drawings, or from a gear-wheel on the roll A. Its motion must be equal to that of table B. The die for lozenges will be sunk in the face of table B, and as each one passes under the printing-cylinder it will be printed by type arranged to meet it at that point.

It is evident that the table B and carriage C might be united in one piece without departing from the main principle of this invention, though it would not be so convenient.

I claim as my invention—

1. In a candy-machine, the combination of a roll having a part of each mold formed in its face with a traveling table having the other part of the mold formed in its face, the face of the roll and that of the table having motions coincident, so as to bring the said parts of the molds opposite each other, substantially as specified.

2. The combination of the cylinder P with the table B and roll A, as and for the purpose specified.

ROBERT M. MARSHALL.

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