(No Model.)

J. H. SEITZ.

MOLD FOR CANDIES.

No. 419,718. Patented Jan. 21, 1890.

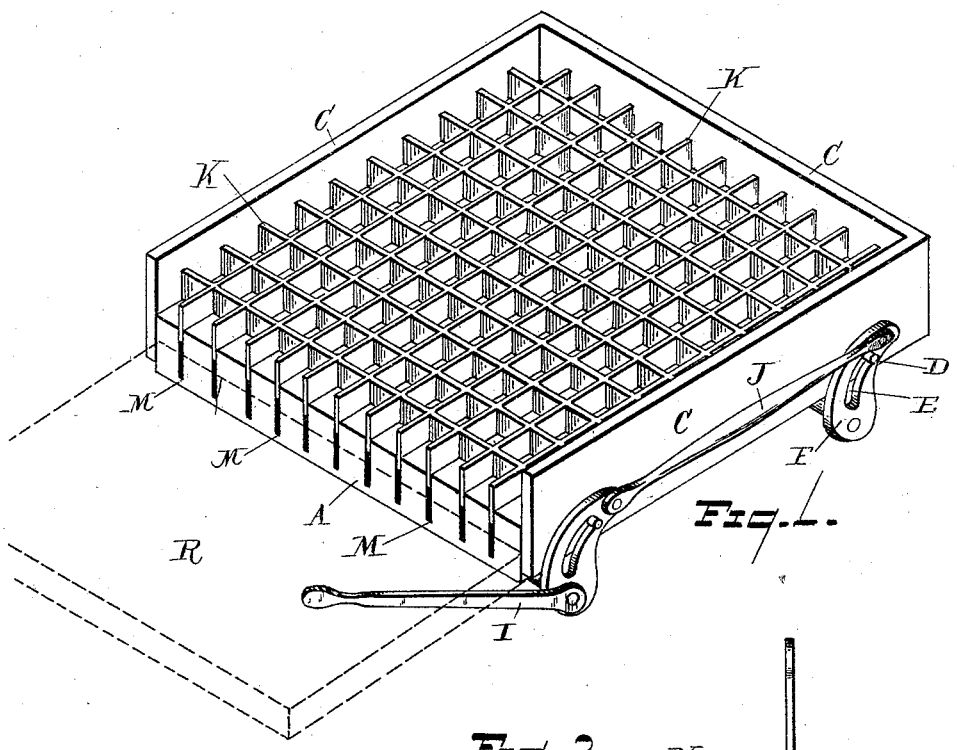

Fig. 1.

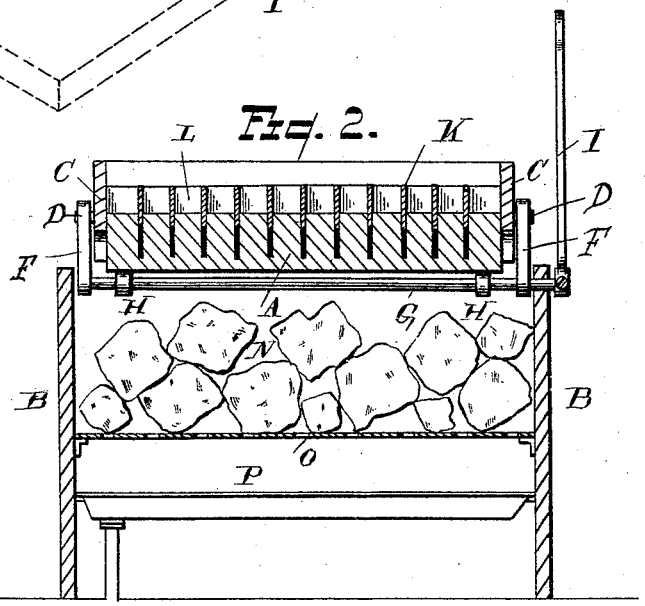

Fig. 2.

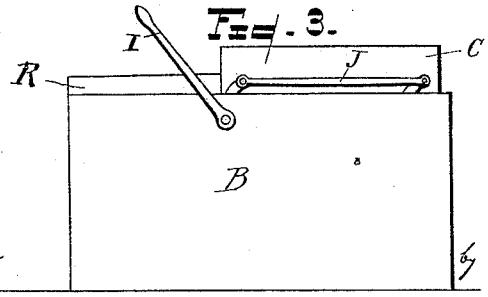

Fig. 3.

WITNESSES

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UNITED STATES PATENT OFFICE.

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MOLD FOR CANDIES.

SPECIFICATION forming part of Letters Patent No. 419,718, dated January 21, 1890.

Application filed March 1, 1889. Serial No. 301,654. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. SEITZ, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Molds for Candies, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in candy-molds; and the invention consists in providing the mold with movable partitions which may be withdrawn therefrom and secured thereto, so as to be vertically movable, and with mechanical devices whereby the cutting of the candy into small blocks or squares, as in the present state of the art, is done away with; and, in connection with this construction of mold, my invention consists in combining therewith a device for chilling or cooling the material to facilitate the operation of the machine, all as more fully hereinafter described, and shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved machine. Fig. 2 is an elevation thereof, partly in section, and combined with the chilling devices. Fig. 3 is a side elevation of the device as shown in Fig. 2.

A is the bed-plate of the mold, supported upon a suitable frame B.

C are the vertical sides of the mold, and these form a loose frame around the side of the mold, and are, so as to be vertically movable, supported by wrist-pins D, projecting from opposite sides of the mold, engaging the slots E of the cranks F. These cranks are secured to transverse shafts G, journaled in stationary bearings H underneath the bed-plate of the mold.

I is a lever secured to one of the shafts G.

J is a connecting-rod, pivotally connecting the cranks on each side of the mold for joint operation.

K are longitudinal and transverse cross-partitions, which are secured to the movable sides of the mold and subdivide the mold into equal compartments L, and M are vertical grooves in the bed-plate corresponding to the partitions K.

Below the mold I form a cooling-chamber N, preferably for the reception of ice, which is supported on a perforated shelf O, with a suitable drip-pan P underneath.

In practice, the parts being arranged and constructed substantially as shown and described, they are intended to operate as follows: The side walls and the partitions connected thereto form a movable frame, which, by the operation of the lever I, can be readily raised or lowered. In the raised position shown in Fig. 1 the mold is in condition for casting the candy, which is poured into it in the usual manner until all the compartments are filled, and the surplus is then evenly scraped off with a knife on top of the partitions, and suitable time is then allowed for the candies to chill or harden in the mold under the action and by the help of the refrigerant underneath the mold. As soon as this is accomplished the lever I is actuated in a proper direction to draw the movable frame downward until the cross-partitions K are entirely concealed within the recesses in the bed of the mold. This operation at once divides the candy in the mold into its merchantable form ready for being wrapped in paper and boxed, as in the usual manner.

For the convenience of removing the candy from the mold I have arranged a receptacle or table R in front of the mold and make the front wall of the mold removable or entirely wanting, so that the candies, after being molded in the manner described, may be brushed out of the mold or withdrawn with a suitable rake or knife, especially adapted to remove the candy without breakage or damage.

To separate the candies nicely from each other and facilitate the operation of withdrawing the partitions, I resort to the known expedient of greasing all the faces of the mold liable to come in contact with the candy. A suitable tool for doing this in an expeditious manner may be readily devised for the purpose.

My machine has the advantage of great capacity, and does away with the work of cutting up the candy by subdividing it with cutting-knives, which operation always produces a considerable amount of waste, besides mak-

ing the candies of less perfect form than with my machine.

It is obvious that instead of making the bed stationary and the walls movable the reverse construction may be embodied in the machine without departing from the spirit of my invention.

What I claim as my invention is—

1. A candy-mold having its sides and bottom supported relatively movable to each other and provided with rigid interior partitions secured to the side walls and united at their points of intersection, and with registering grooves in its bottom, whereby the bottom is adapted to constitute a follower for the individual compartments of the mold, substantially as described.

2. A candy-mold consisting of the sides C, supported so as to be vertically movable and provided with the interior partitions K, secured thereto, the bottom A, provided with the grooves M, adapted to receive the interior partitions, the shafts G, provided with the slotted cranks E, the pins D, engaging therewith, the connecting-rods J, and the lever I, all combined and operating substantially as described.

3. The combination, in a candy-mold, of a stationary bottom, a vertically-movable frame consisting of the sides of the mold and interior partitions secured thereto, the bottom of the mold having vertical grooves adapted to receive said partitions, a raising and lowering device for said movable frame, and a refrigerating-compartment underneath the bottom of the mold, substantially as described.

In testimony whereof I affix my signature, in presence of two witnesses, this 22d day of February, 1889.

JOHN H. SEITZ.

Witnesses:
J. PAUL MAYER,
ALFRED B. EATON.