

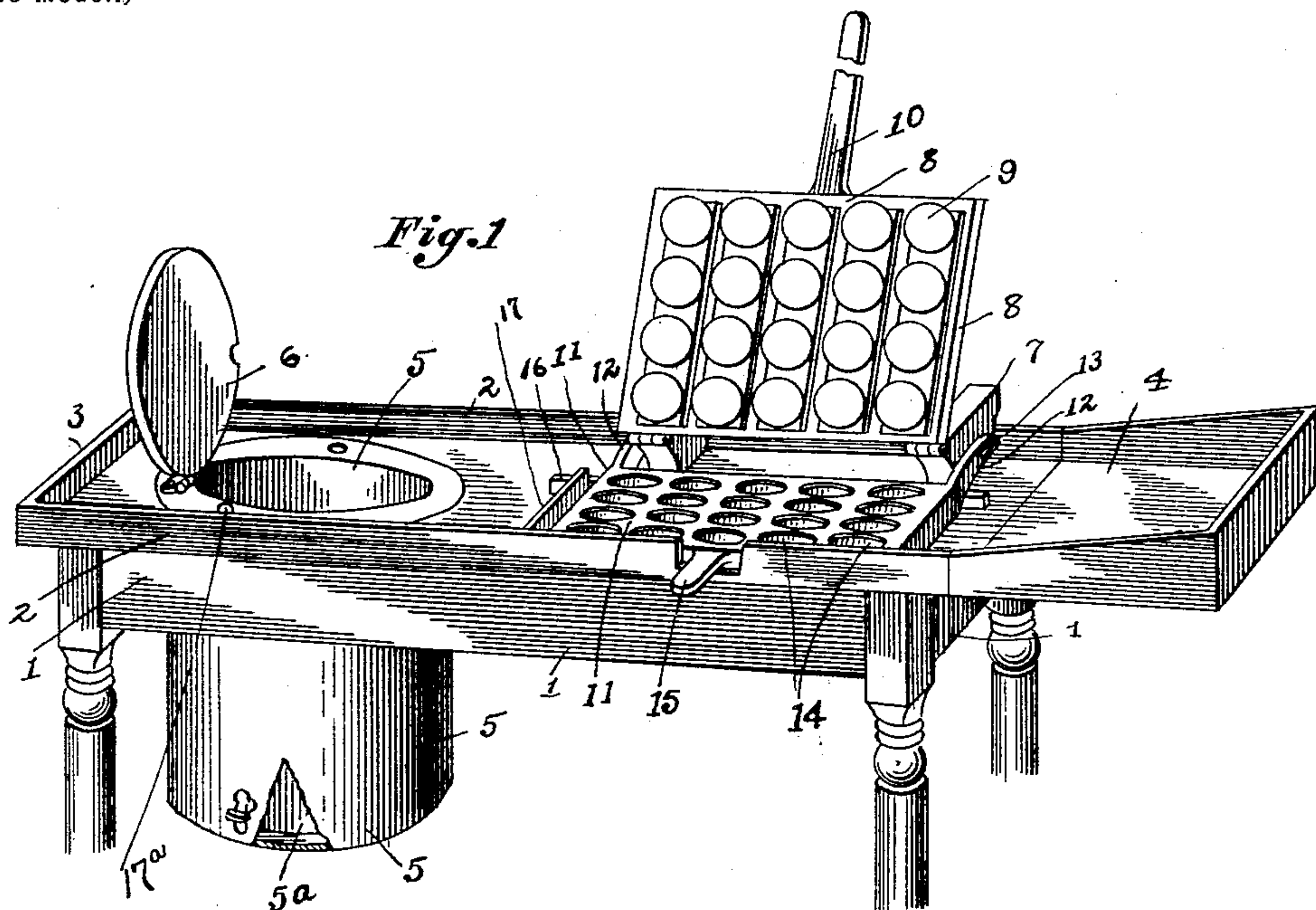
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W. W. TURNBULL.
POPCORN FRITTER MACHINE.

(Application filed Mar. 25, 1899.)

(No Model.)



WITNESSES:

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WERD W. TURNBULL, OF COLUMBUS, OHIO.

POPCORN-FITTER MACHINE.

SPECIFICATION forming part of Letters Patent No. 684,138, dated October 8, 1901.

Application filed March 25, 1899. Serial No. 710,420. (No model.)

To all whom it may concern:

Be it known that I, WERD W. TURNBULL, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Popcorn-Fitter Machines, of which the following is a specification.

My invention relates to the improvement of popcorn-fitter machines: and the objects of my invention are to provide an improved construction of popcorn-fitter-making machine and to provide in conjunction therewith an improved supporting-table therefor and to produce other improvements in details of construction and arrangement of parts which will be more fully pointed out hereinafter. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a view in perspective of my improved fitter-making machine and supporting-table. Fig. 2 is a sectional view through the mold-frame. Fig. 3 is a similar view taken through one row of plungers which I employ in the manner hereinafter described, and Fig. 4 is a detail view in perspective of an angular follower which I employ in the manner hereinafter described.

Similar numerals refer to similar parts throughout the several views.

In carrying out my invention I employ a supporting-frame which is in the form of an oblong table 1, said table-top being provided with longitudinal raised side boards 2 and at one end with a corresponding raised end board 3. To the remaining end of the table I hinge or otherwise secure a table-top extension 4, the raised and preferably inclined side boards of the latter meeting and forming a continuation of the side boards 2 of the table-body.

Depending from an opening through the table-top, in what we will term the "inner end portion" of the table, is a cylindrical reservoir or casing 5, the latter preferably consisting of an inner and outer casing section sufficiently separated to form a water-space at 5^a between said sections. The upper open end of the inner section is adapted to be closed by a suitable hinged cover-plate 6. The depending casing or reservoir thus formed is adapted to form a receptacle for

the material from which the fritters are to be made. Toward the outer end portion of the table I provide on the upper and adjacent to the rear side thereof two parallel and upwardly-projecting hinge-blocks 7, the latter having hinged to their upper and forward portions one edge of a plunger-carrying plate 8, said plate being provided, as indicated in the drawings, with parallel rows of projecting plungers 9, which may be of any desired number and the outer portion of each of which is in the form of a disk, as shown. The rear side of the plate 8 has connected therewith and extending outwardly therefrom a suitable lever or handle 10. 11 represents a mold or bed plate the rear sides of which opposite its end portions are provided with rearwardly-extending arms 12, the rear end portions of the latter being slotted, said slots having projecting therethrough the ends of hinge or pivot pins 13, which project laterally from the rear portions of the blocks 7. As indicated at 14, the mold or bed plate is provided with parallel rows of openings, which conform in arrangement with and are adapted to receive the heads of the plungers 9 when the plate 8 is forced forward and downward. The body of the mold-plate 11 rests, as shown, upon the table-top between the front side board 2 and the blocks 7, said mold being preferably provided with a central projecting hand-lug 15, which projects through a notch or recess in the forward side board. Between the body of the mold-plate and forward sides of the blocks 7 I provide a suitable guide-bar 16.

17 represents an angular follower the front arm of which normally lies longitudinally on the upper surface of the table-top and adjoining the forward side board 2, said follower-arm being provided with an upwardly-projecting finger-piece 17^a, while the rearwardly-extending arm of said follower extends between said forward side board and the guide-bar 16 at a point on the inner side of the mold-plate 11.

In utilizing my improved fitter-making machine the mold openings or sockets 14 are first properly filled with material taken from the receptacle 5, after which the plunger-plate is moved forward and downward, its plunger-head being pressed against the material contained in the mold-plate openings.

An upward swinging movement of the mold-plate, together with a continued downward pressure of the plunger-plate, must result, as will readily be seen, in the molded cakes or
 5 fritters being forced entirely out of the mold-plate and onto the table-top. The fritters thus formed may now be readily moved onto the table extension 4 by sliding the follower 17 toward said extension until the fritters
 10 have been moved onto the same.

Owing to the fact that the rearwardly-extending arms of the mold-plate are pivoted or hinged to the blocks 7 through slotted openings in said arms it will readily be seen that
 15 said mold-plate will be permitted that slight backward or forward movement which may be occasioned by the plungers entering the mold-sockets or being withdrawn therefrom.

20 From the above-described construction and operation it will be seen that an exceedingly convenient, reliable, and effective device is provided whereby the production of popcorn-fritters of uniform sizes and appearance
 25 may be rapidly accomplished.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

30 1. In a popcorn-fritter machine, the combination with a supporting-framework, hinge-blocks supported in said frame and a plunger-carrying plate hinged to said blocks, of a fulcrumed or hinged mold-plate provided with mold-openings therethrough adapted to

receive said plungers, said mold-plate being
 35 fulcrumed at such points as to permit of its describing substantially the same arc as that of the plunger-plate, substantially as specified.

2. In a popcorn-fritter machine, the combination with a table provided with a section
 40 4 extended beyond one end of said table-body, a mixture-receptacle depending from said table and a follower movably supported on said table, of a mold-plate having rearwardly-extending fulcrumed arms and provided with mold-openings and a plunger-carrying plate, the latter being so hinged as to
 45 cause its plungers to enter the mold-plate openings when thrown forwardly, substantially as specified. 50

3. In a popcorn-fritter machine, the combination with a supporting-framework, hinge-blocks rising therefrom and a plunger-carrying plate having one side hinged on said
 55 blocks, of a mold-plate having mold-openings therein and adapted to rest on said table-top, said mold-plate having rearwardly-extending arms which are fulcrumed at points below
 60 and in rear of the hinge-points of said plunger-plate, said mold-plate being capable of a slight backward and forward sliding movement, substantially as specified.

WERD W. TURNBULL.

In presence of—

C. C. SHEPHERD,
 W. L. MORROW.