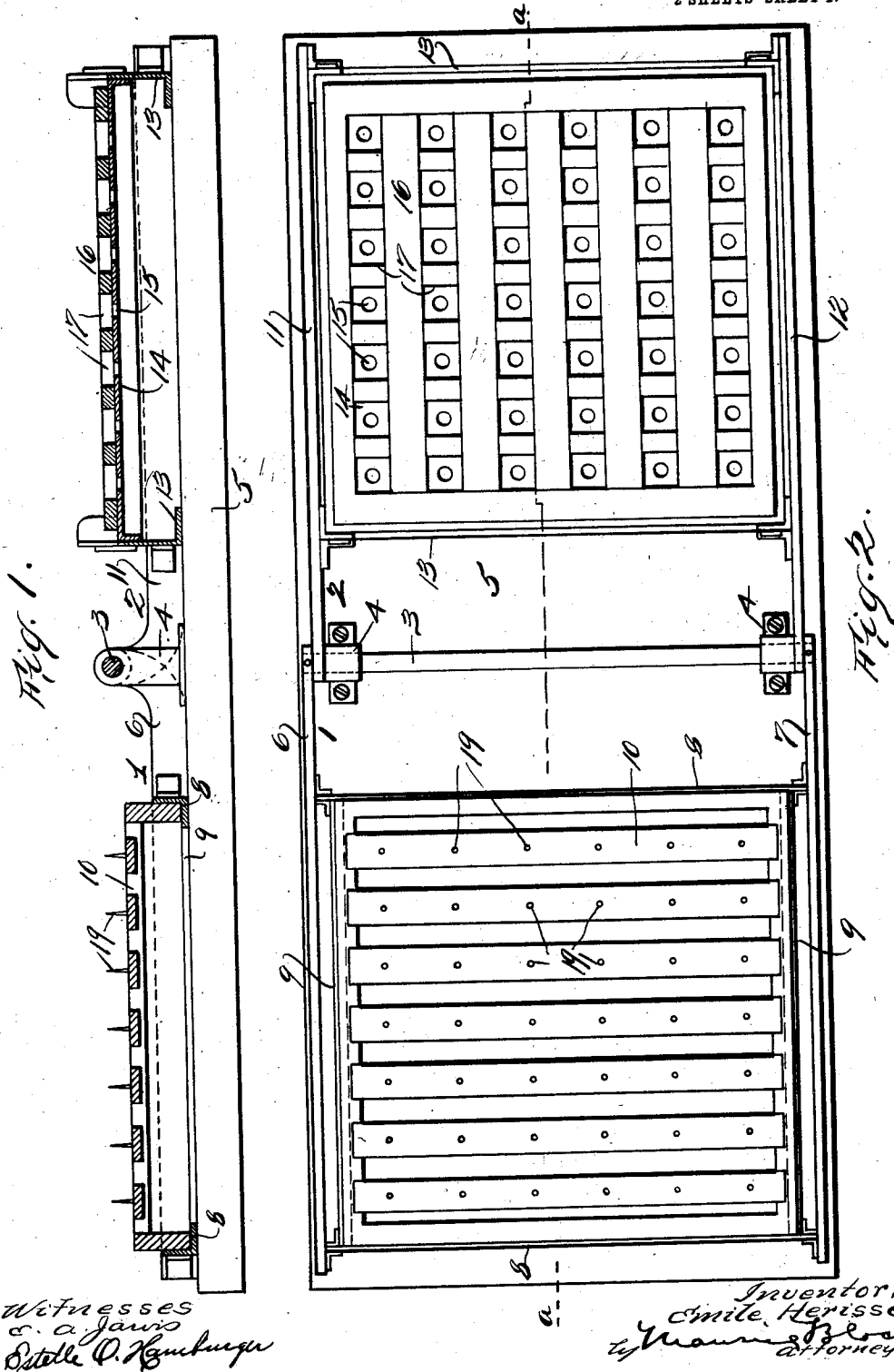


E. HERISSE.
 CAKE CENTERING DEVICE FOR DEPOSITING MACHINES.
 APPLICATION FILED JUNE 14, 1911.

1,009,413.

Patented Nov. 21, 1911.

2 SHEETS—SHEET 1.

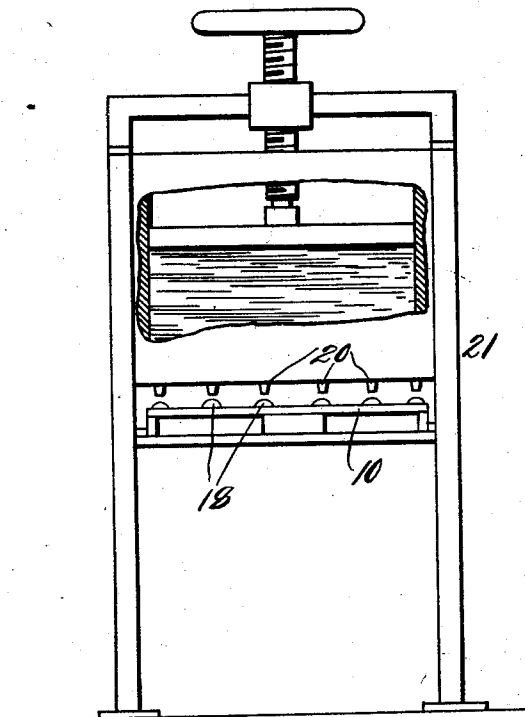
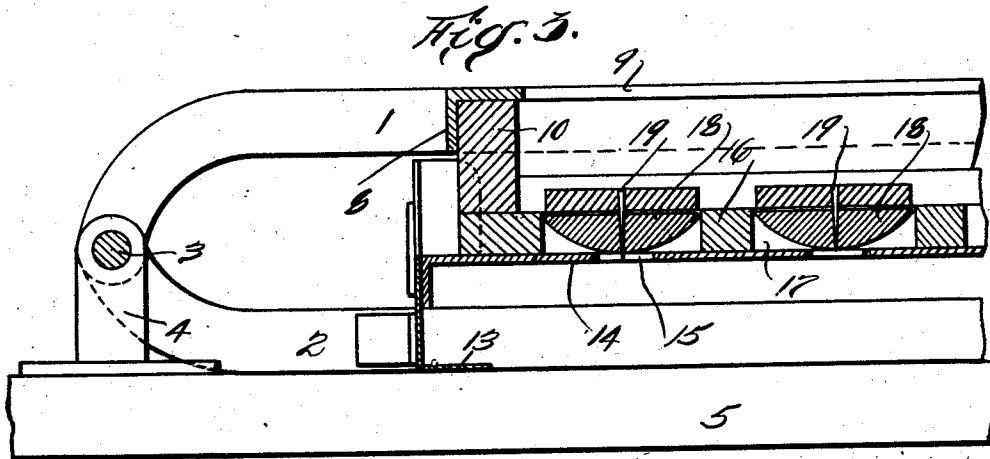


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Witnesses:
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UNITED STATES PATENT OFFICE.

EMILE HERISSE, OF NEW YORK, N. Y.

CAKE-CENTERING DEVICE FOR DEPOSITING-MACHINES.

1,009,413.

Specification of Letters Patent. Patented Nov. 21, 1911.

Application filed June 14, 1911. Serial No. 633,006.

To all whom it may concern:

Be it known that I, EMILE HERISSE, a citizen of the United States of America, residing at Manhattan borough, city, county, and State of New York, have invented certain new and useful Improvements in Cake-Centering Devices for Depositing-Machines, of which the following is a full, clear, and exact description.

10 This invention relates to an improvement in pick up or centering devices adapted for use in connection with cakes for centering the same upon a tray, the said tray being used in connection with depositing machines, which are designed to deposit chocolate or the like upon the cakes or other articles such as biscuits, macaroons, &c.

I will now proceed to describe my invention in detail, the novel features of which I will point out in the claims, reference being had to the accompanying drawings, forming part hereof, wherein:

Figure 1 is a longitudinal sectional view of my improved device, the section being taken on a line *a-a* in Fig. 2, the base plate being shown in elevation; Fig. 2 is a plan view thereof; Fig. 3 is an enlarged fragmentary sectional view, showing the two frames of which my device is composed, placed together for the purpose of placing cakes upon a tray; and Fig. 4 is a diagrammatic view, illustrating a depositing machine and a tray placed therein.

The drawings, accompanying this specification, illustrate one embodiment of my invention, and, as herein illustrated, my invention comprises the two frames 1 and 2, pivotally connected by a cross-bar 3, which in turn is supported by brackets 4, the said brackets being carried by a base plate 5.

The members 6 and 7 of the frame 1 are connected by angle irons 8, which in turn have secured thereto longitudinally disposed angle irons 9. The angle irons 8 and 9 form a cradle or pocket which is designed to removably support a tray 10. The members 11 and 12 of the frame 2 are connected by angle irons 13 to which is connected a table or supporting plate 14, provided with openings 15.

To the table or supporting plate 14, I secure a crib or plate 16 provided with pockets 17, in which cakes, indicated by 18 in Fig. 3, are placed.

As can be seen in Fig. 1, the tray 10 is provided with a plurality of pins 19, there

being as many pins 19 as there are pockets 17 in the plate 16, and correspondingly located, that is to say that the pockets 17 are so positioned as to receive the pins 19 centrally thereof, therefore, when cakes, such as are indicated by 18, are placed in said pockets, and when the frame 1 is swung over to cause the tray 10, carried thereby, to contact with the plate 14, as indicated in Fig. 3, the pins 19 will pierce the said cakes centrally thereof.

When the frame 1 is swung back to its normal position, the cakes, pierced by the pins, will be drawn out of the pockets 17 and be positioned on the tray 10. The tray can then be removed from the frame 1 and placed in position under the nozzles 20 of the depositing machine 21, as indicated in Fig. 4.

Heretofore cakes have been placed upon trays similar to the tray 10, or rather upon the pins carried by said trays, by hand, but such an operation is unreliable as far as centering the cakes is concerned, as it is not possible to cause the pins to pass through the exact center of the cakes. Hence the material from the nozzles of the depositing machine would be deposited on one side of the said cakes.

The object of my invention is to provide a device whereby a plurality of cakes may be placed upon the tray simultaneously, the said cakes being accurately centered upon the pins, thereby making it possible to deposit the coating material upon the center of the cakes, which enhances the appearance thereof.

My improved device may be constructed to center cakes of any design or configuration, it being but necessary to make the pockets 17 in the plate 16 of a size sufficient to accommodate the cakes.

The style of cake which is usually coated with marshmallow and then dipped in chocolate is herein indicated by the numeral 18.

The device is operated in the following manner: By referring to Figs. 1 and 2, it will be seen that the frames 1 and 2 are open or apart from one another, in which position cakes are placed in the pockets 17, the said pockets being slightly larger than the diameter or breadth of the cakes, which permits the said cakes to be easily withdrawn from the pockets. As can be seen in Fig. 3, the cakes are placed in the pockets 17 with their base portions uppermost in order that the

convexed portion of the cakes will be uppermost when the said cakes are placed upon the tray 10. After the cakes have been placed in the pockets, the frame 1 is swung upwardly and over until the tray 10 contacts with the plate 16, as shown in Fig. 3. During the latter part of the movement of the frame 1 the pins 19 will pass through the cakes 18, as shown in Fig. 3. As will be seen in the figures of the drawing, the openings 15 in the plate 16 are disposed centrally of the pockets 17. The object of providing the openings 15, is to provide a space in which the points of the pins 19 can pass should the cakes be a trifle thin.

After having operated the frame 1, as above described, the said frame 1 may be swung to the position shown in Fig. 1, at which time the tray 10 can be removed from the said frame and placed in position on the depositing machine or otherwise disposed of.

My invention is not limited to a tray having pins adapted to hold cakes, as the said tray may be provided with any other holding means.

One of the principal advantages of my improved pick up or centering device is that any number of cakes may be picked up and centered simultaneously. By hand not more than two cakes can be placed upon the tray at a time to say nothing of the uncertainty of centering the same. As the cross-bar 3 is placed midway of the two adjacent end rows of pockets 17 and pins 19 the said cross-bar acts as a means to cause the said pins 19 to pass through the center of the cakes when the frame 1 is moved over to contact with the plate 16.

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

1. A centering device for cakes or the like

consisting of a pair of frames, having side members, said side members being hinged together at the free ends thereof and adapted to be folded to lie one upon the other, one of said frames being adapted to loosely support a tray, the other of said frames being provided with recesses adapted to loosely retain cakes or the like.

2. A centering device for cakes or the like, comprising a pair of frames foldably connected and adapted when closed to lie one upon the other, and when open to lie flat adjacent and level with each other, a plate provided with a plurality of pockets, said pockets being adapted to loosely support cakes or the like, a support for said pocketed plate carried by said frame, said support being provided with openings, said openings being located centrally of the pockets in said plate, a tray provided with pins adapted to engage the cakes in said pockets, and means adapted to move said tray and cause said pins to pierce said cakes centrally thereof.

3. A centering device for cakes or the like, comprising a pair of frames foldably connected and adapted when closed to lie one upon the other, and when open to lie flat adjacent and level with each other, a pocketed plate carried by said frame, said pocketed plate being adapted to loosely support a plurality of cakes, a tray, devices carried by said tray adapted to engage the cakes in said pocketed plate and means adapted to cause said tray to move toward said pocketed plate sufficiently to cause the engaging devices on said tray to engage said cakes.

Signed at New York city, N. Y., this 12th day of June, 1911.

EMILE HERISSE.

Witnesses:

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