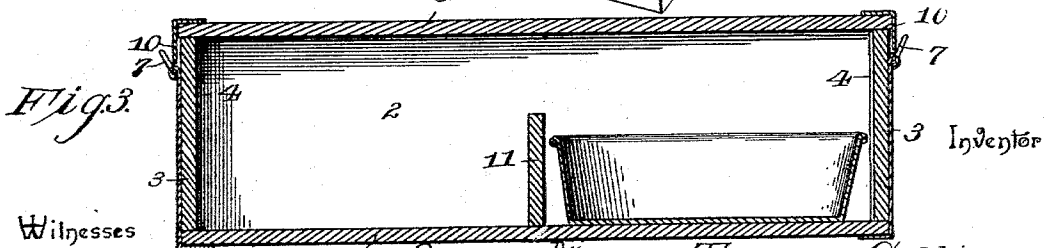
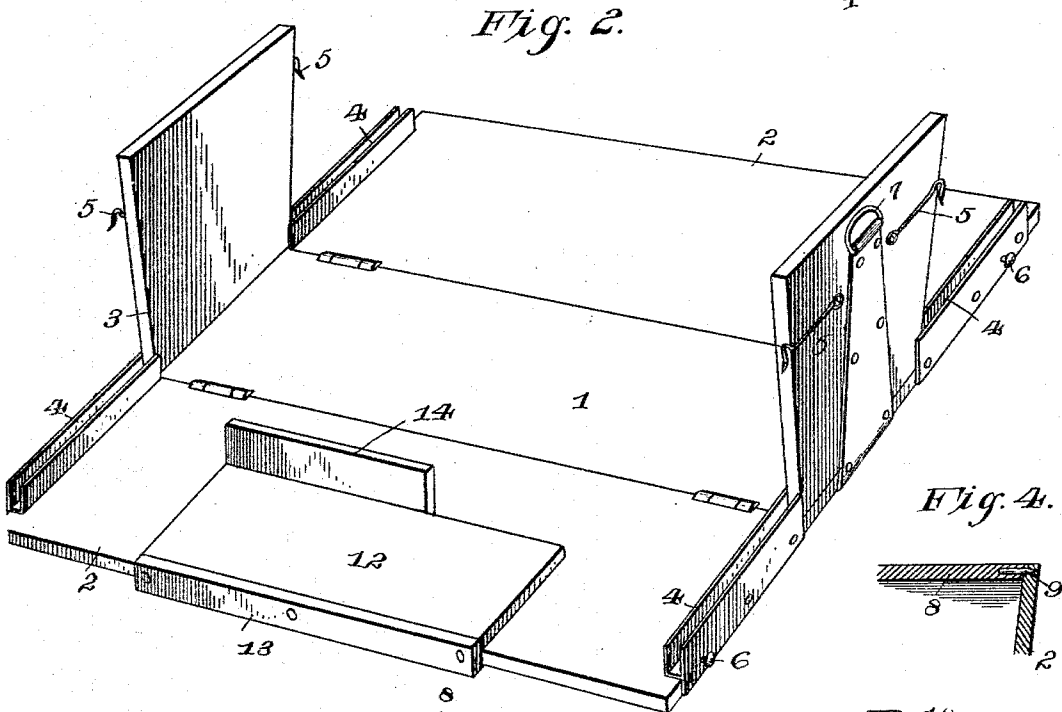
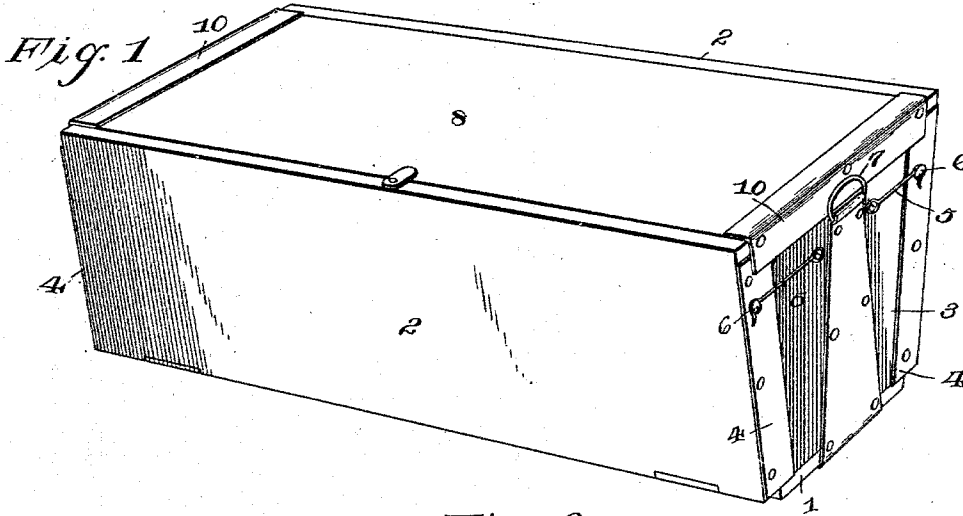


(No Model.)

T. COLLINS.
COMBINED BREAD TRAY AND ROLLING BOARD.

No. 515,858.

Patented Mar. 6, 1894.



Witnesses

C. A. Ford.

C. E. Doyle.

By his Attorneys, Thomas Collins,

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UNITED STATES PATENT OFFICE.

THOMAS COLLINS, OF SULLIVAN COUNTY, PENNSYLVANIA.

COMBINED BREAD-TRAY AND ROLLING-BOARD.

SPECIFICATION forming part of Letters Patent No. 515,858, dated March 6, 1894.

Application filed August 16, 1893. Serial No. 483,285. (No model.)

To all whom it may concern:

Be it known that I, THOMAS COLLINS, a citizen of the United States, residing in the county of Sullivan (Overton P. O.) and State of Pennsylvania, have invented a new and useful Combined Bread-Tray and Rolling-Board, of which the following is a specification.

My invention relates to a combined bread setting, kneading and raising tray and rolling board, which is so constructed as to fulfill the functions of the various boxes, pans and boards ordinarily used in bread-making.

The objects and advantages of my invention will appear in the following description, and the novel features thereof will be particularly pointed out in the claims.

In the drawings: Figure 1 is a perspective view of the device embodying my invention, with the parts in their folded or closed positions, as seen when used for raising purposes. Fig. 2 is a similar view, showing the parts extended or open, as seen when used for rolling, the bread-cutting guide being shown in operative relation to one of the leaves of the board. Fig. 3 is a sectional view of the tray, showing the adjustable partition and indicating the position of a container for hot water to supply steam to the dough. Fig. 4 is a detail section to show the connection of one edge of the cover with the side of the tray.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates the base, to the opposite side edges of which are hinged the foldable sides or leaves 2, and 3 represents upright end-pieces fixed to the terminals of the base and having divergent side edges against which the sides or leaves bear when the latter are in their elevated or closed positions. The sides or leaves are provided with parallel flanges 4, to receive and engage the side edges of the end pieces, in order to strengthen the latter when the parts are folded and prevent warping. Hooks 5 are connected to the outer sides of the end pieces to engage studs 6 upon the extremities of the sides or leaves. A handle 7 is arranged upon each end piece for convenience in moving the board. The sides or leaves extend slightly above the upper edges of the end pieces and the cover 8, which fits between the upwardly-extending edges of the

sides or leaves, is provided at one edge with pins 9, to engage perforations in one of the sides or leaves. A turn-button or similar fastening device is connected to the opposite side or link to engage the free edge of the cover. The ends of the cover are provided with depending flanges 10 which engage the outer surfaces of the end pieces and prevent longitudinal displacement, and at the same time cover the joints to prevent escape of inclosed steam or heat.

11 represents an adjustable partition, which is arranged in the tray and is held in place by frictional contact of its ends with the inner surfaces of the sides or leaves. This partition is adjustable to suit the size of the batch, and the space between the same and the other end of the tray is adapted to receive a container, as shown in Fig. 3, for hot water. It will be seen that the partition terminates short of the under surface of the cover in order to allow free communication between the compartments.

With the parts as shown in Figs. 1 and 3, the device is adapted for raising the dough; and as the joints between the various members are broken by the several flanges provided for that purpose, the escape of the steam or other heat which may be employed is prevented. For yeast raising or setting purposes, and for kneading, the cover will be removed, but otherwise the parts maintain the positions shown in Figs. 1 and 3.

Fig. 2 shows the parts extended with the sides or leaves in the plane of the base for rolling, cutting, &c.

In connection with Fig. 2 I have shown a bread-cutting device, consisting of a plate 12, provided with a flange 13 to engage the edge of a side or leaf, and an upright or guiding flange 14, rising from the opposite edge of the table and terminating short of the end thereof to guide the knife in cutting.

From the above description it will be seen that all of the operations connected with bread making or preparing may be conducted with this device, thus avoiding the use of a number of utensils, and thereby economizing space and saving the expense of a number of articles and the labor of cleaning the same subsequent to their use.

Various changes in the form, proportion,

and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

5 The tray as described may be supported upon a table or similar device, or the bottom thereof may be provided with supporting legs, as preferred, and the butt hinges which are shown in the drawings may be replaced by
10 continuous hinges of the ordinary construction in order that when the tray is closed tight joints will be formed between the bottom and the sides.

Having described the invention, what I
15 claim is—

1. A bread tray provided with stationary upright end pieces, and folding sides or leaves having parallel joint-breaking flanges 4 to engage the side edges of the end pieces when
20 said sides are elevated, substantially as specified.

2. A bread tray having its sides extended above the upper edges of its end pieces, in combination with a cover provided with depending end flanges, pins fixed to one side
25 edge of the cover and adapted to engage perforations in one of the sides, and a fastening device to engage the other edge of the cover, substantially as specified.

3. The herein described bread tray provided
30 with opposite hinged sides forming airtight joints with the ends, a cover forming airtight joints with the sides and ends, and an adjustable partition arranged transversely between and held in place by said sides when
35 the latter are in their elevated position, and terminating short of the plane of the cover to form a communicating opening between the compartments upon opposite sides of said partition, one of said compartments being
40 adapted for the dough and the other for the receptacle containing water, substantially as specified.

4. The combination with a bread tray provided with folding sides or leaves, and means
45 for securing them in their folded positions, of a bread-cutting guide comprising a plate provided with flanges 13 and 14, the latter terminating short of one end of the plate to form a guide, substantially as specified.
50

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

THOMAS COLLINS.

Witnesses:

JOHN F. FARRELL,
FRANK MURPHY.