(No Model.) 2 Sheets—Sheet 1.

J. M. CURTICE.

KITCHEN SAFE.

No. 602,733. Patented Apr. 19, 1898.

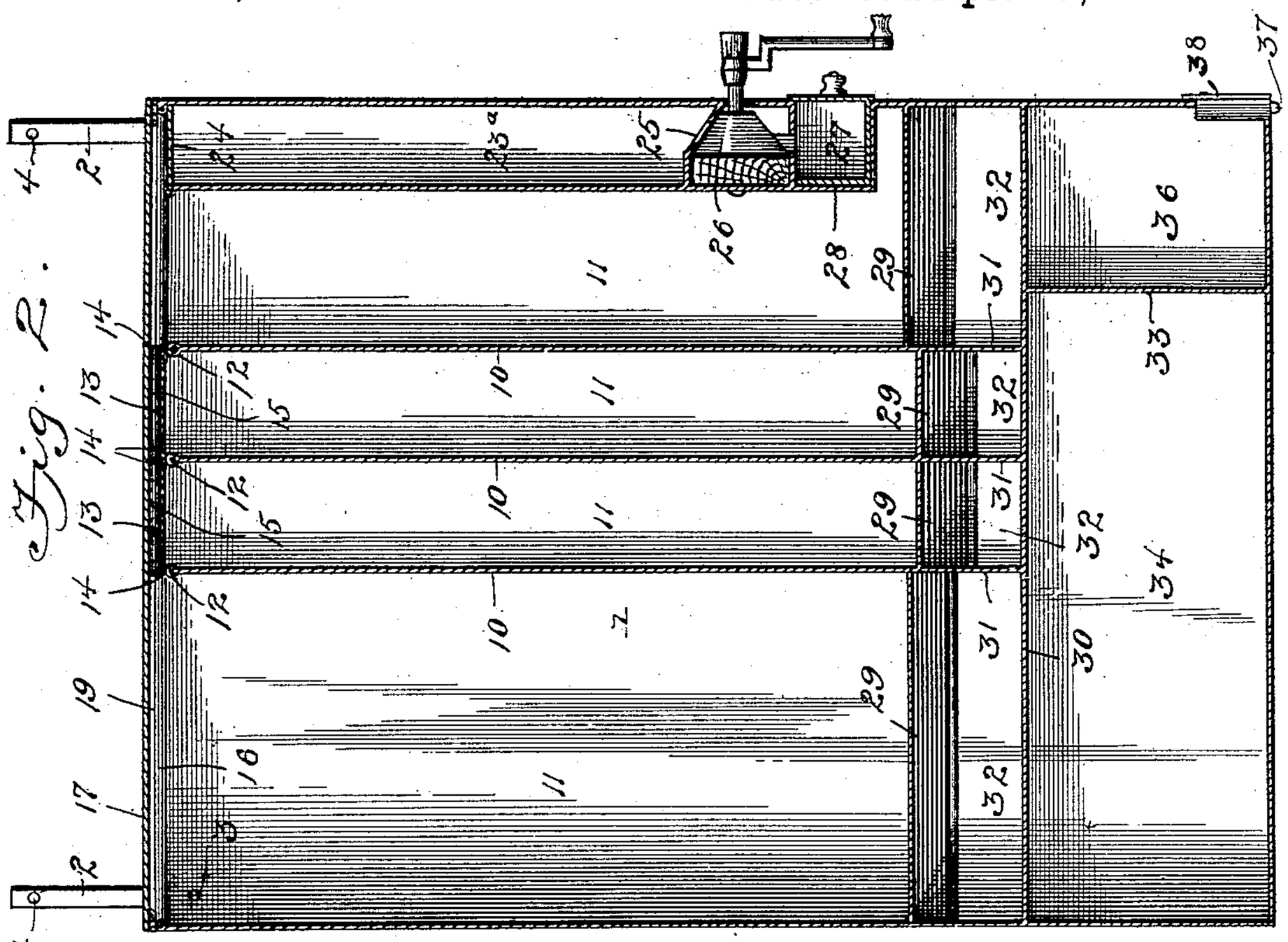

Fig. 2.

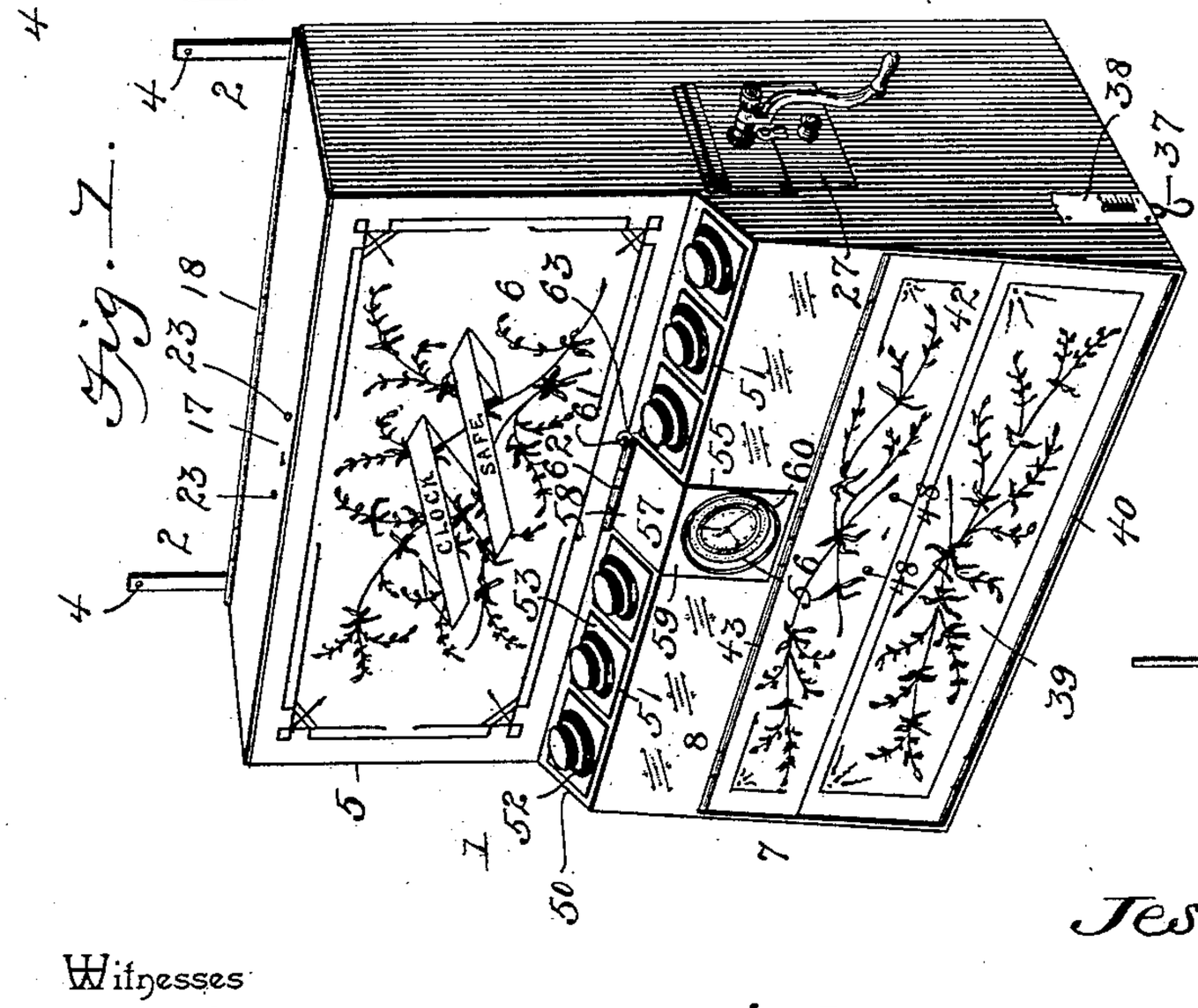

Fig. 3.

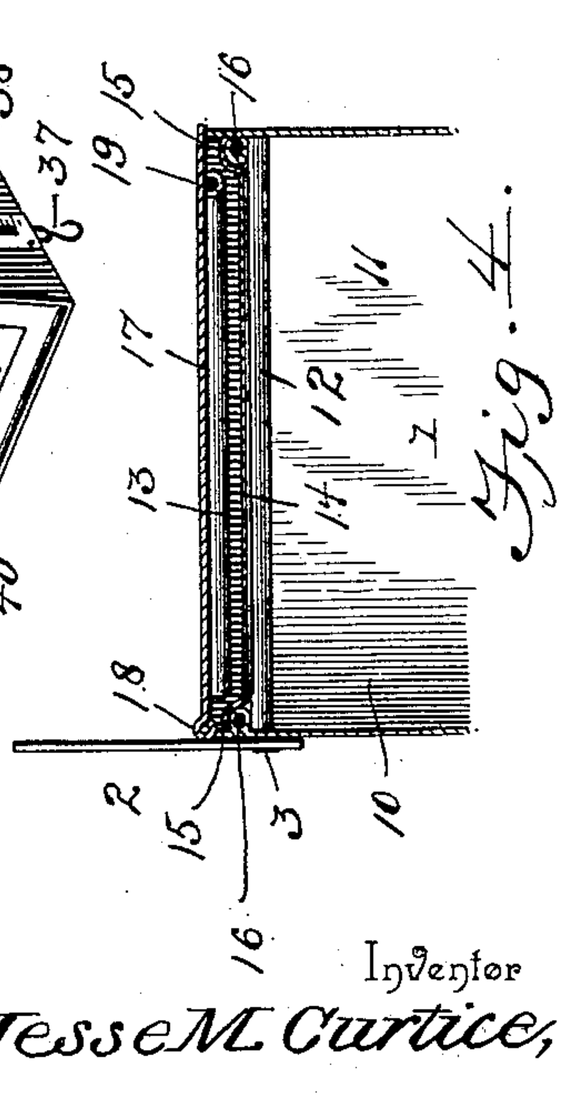

Fig. 4.

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(No Model.) 2 Sheets—Sheet 2.

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KITCHEN SAFE.

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Fig. 3.

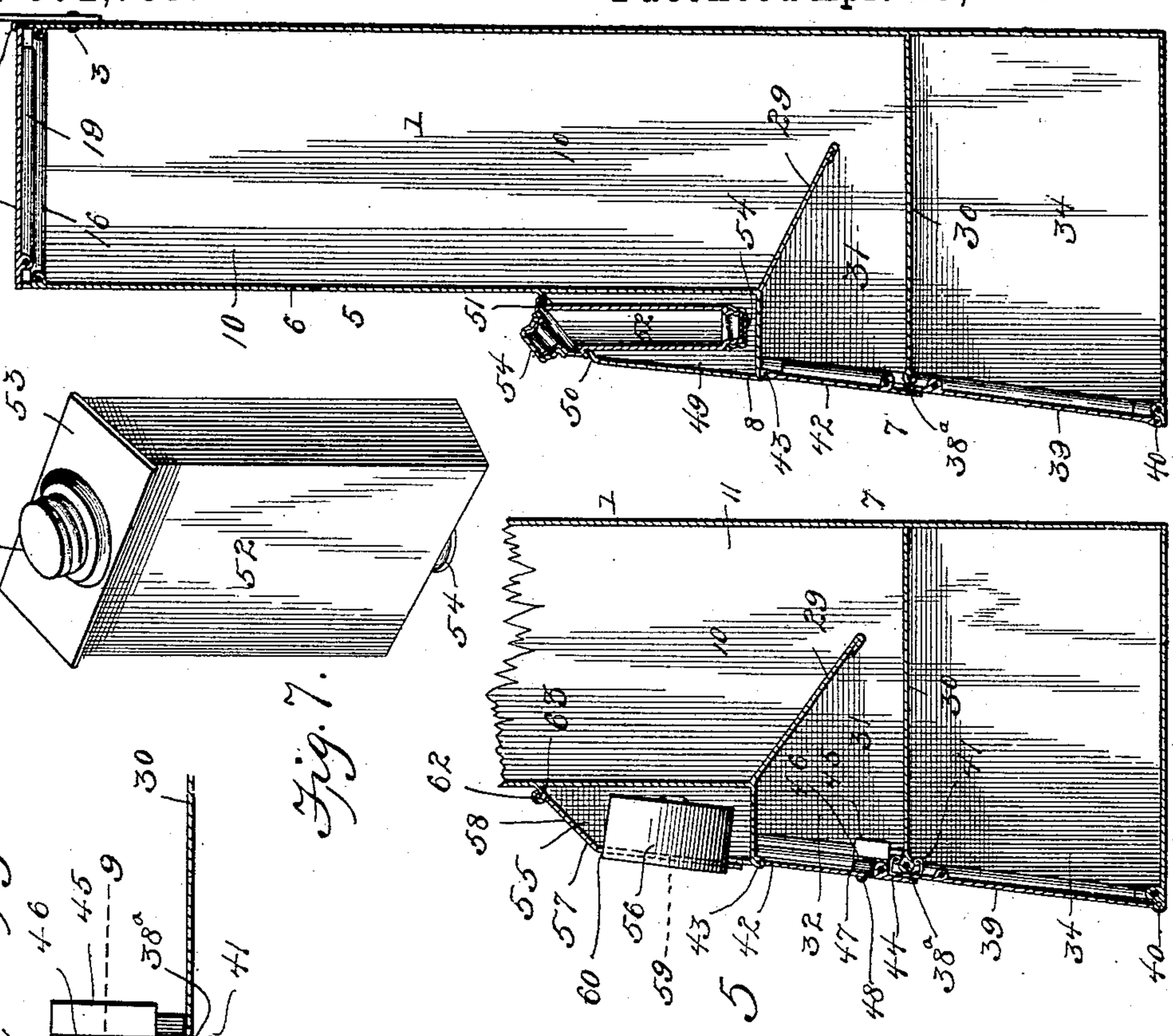


Fig. 7.

Fig. 5.

Fig. 8.

Fig. 9

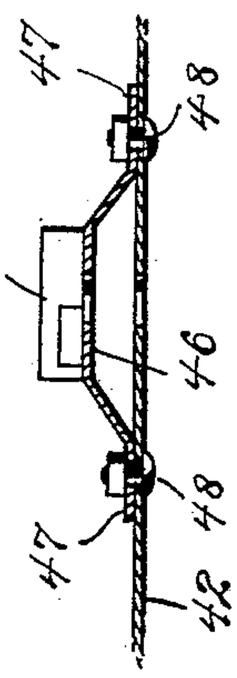


Fig. 6.

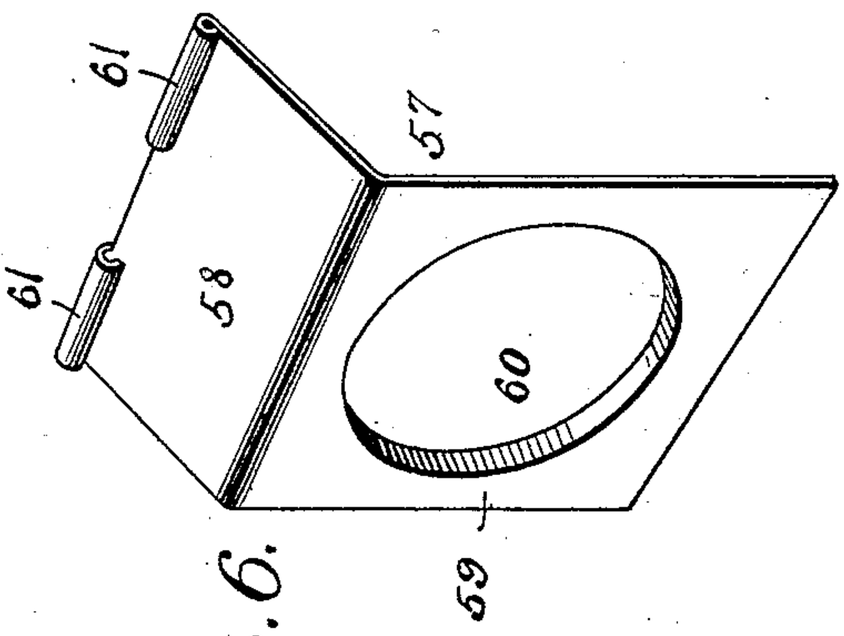
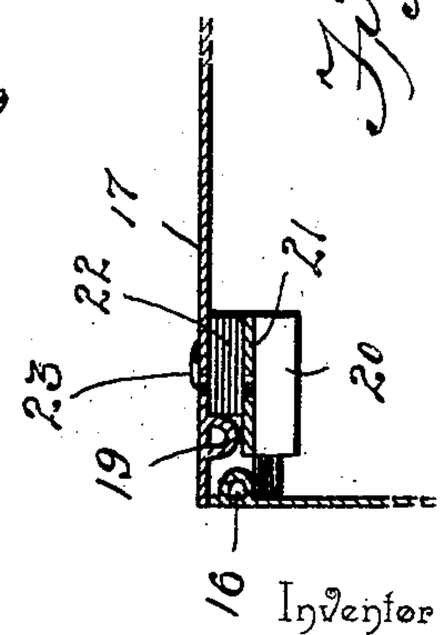


Fig. 10



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UNITED STATES PATENT OFFICE.

JESSE M. CURTICE, OF KANSAS CITY, MISSOURI.

KITCHEN-SAFE.

SPECIFICATION forming part of Letters Patent No. 602,733, dated April 19, 1898.

Application filed March 31, 1897. Serial No. 630,147. (No model.)

To all whom it may concern:

Be it known that I, JESSE M. CURTICE, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented a new and useful Kitchen-Safe, of which the following is a specification.

This invention relates to kitchen-safes; and it has for its object to effect certain improvements in safes of this character whereby the same shall be rendered more useful and handy in the kitchen. To accomplish this desirable result, the invention primarily contemplates the construction of a kitchen-safe in such a manner as to provide convenient air-tight receptacles or repositories for different articles of food—such as flour, meal, sugar, bread, and the like—and also for such other articles as are useful to the housekeeper in the kitchen.

The invention also has for an object the arrangement of the different parts of the safe in such a manner as to render the different articles of food most easily accessible.

A further object of the invention is to provide convenient means for supporting a clock in a conspicuous position, while at the same time making provision for easily manipulating the clock for winding, setting, or starting without removing the clock from the safe.

With these and other objects in view, which will readily appear as the nature of the invention is better understood, the same consists in the novel construction, combination, and arrangement of parts hereinafter more fully described, illustrated, and claimed.

In the drawings, Figure 1 is a perspective view of a kitchen-safe embodying the improvements contemplated by this invention. Fig. 2 is a vertical longitudinal sectional view of the safe. Fig. 3 is a vertical transverse sectional view of the safe on a line of section including the front canister-compartment at one side of the clock-holder. Fig. 4 is an enlarged detail sectional view at the top of the safe, showing the manner of slidably mounting the temporary inside cover-plates. Fig. 5 is an enlarged vertical sectional view of the lower portion of the safe, the line of section including the clock-holder. Fig. 6 is a detail in perspective of the clock-holder removed from the safe-body. Fig. 7 is a similar view of one of the removable spice-canisters. Fig. 8 is an enlarged detail sectional view showing more clearly the manner of locking the lower pair of front doors of the safe. Fig. 9 is a detail sectional view on the line 9 9 of Fig. 8, showing the manner of removably mounting the lock carried by the upper front door. Fig. 10 is a detail sectional view showing the lock connection for the top lid or cover.

Referring to the accompanying drawings, the numeral 1 designates the upright safe-body, which is of an approximately rectangular form and preferably made of sheet metal with tight joints, so as to render the safe when closed practically air-tight and free from air and the intrusion of insects or foreign substances. The upright rectangular safe-body 1 is preferably supported in a handy position over the kitchen-table at a convenient height without being in the way by means of a pair of metal suspension straps or links 2, preferably bolted at their lower ends at 3 to the rear side of the body 1, near the upper edge thereof, and provided in their opposite ends with openings 4 to receive nails, which are driven in the wall to provide for the support of the safe-body in the position suggested. This is the preferable manner of arranging and supporting the safe for use; but it will of course be understood that the same may be placed in any other position that may be more convenient or desirable.

The safe-body 1 is constructed with an upper bin portion 5, having a vertical front wall 6, while the lower or base portion 7 of the body is enlarged and extended at the front, as at 8, beyond the plane of the vertical front wall 6 of the upper bin portion 5. The upper bin portion 5 of the safe-body is open at the top and has fitted therein a plurality of vertical transverse partition-plates 10, which divide the interior of the upper portion of the safe-body into a plurality of vertical interior bins 11, designed for the reception of different articles of food—such as flour, meal, sugar, rice, and the like—and the vertical partitions 10 are spaced at any desirable distance apart, according to the size or capacity of the bins 11 to be formed, and it will be observed by reference to the drawings that some of these bins are larger than others, the smaller bins being necessarily designed for such articles or materials as are consumed less rapidly

than the articles or materials designed to be introduced into the larger bins. The vertical partitions 10, forming the interior vertical bins 11, have fitted to their upper edges rounded strips 12, which serve to strengthen and stiffen the top edges of the partitions, so as to prevent the same from being bent and battered while the bins are being filled, and in conjunction with the bins 11, and preferably the smaller of such bins, there is designed to be employed a pair or more of temporary inside cover-plates 13.

The temporary inside cover-plates 13 are slidably mounted within the open top of the upper bin portion 5 and consist of flat metal plates folded at their side edges at 14, so as to be stiffened at such edges, and provided with upwardly-disposed outwardly-curved slide-flanges 15 at their ends, said curved slide-flanges 15 at the ends of the cover-plates 13 being designed to loosely and slidably engage the opposite parallel side portions of the interior rounded annular strengthening bead or jamb 16, fitted within the open top of the upper portion of the safe-body to provide for strengthening this part of the body and also providing a firm support for the top lid 17. The top lid 17 is hinged at one edge, as at 18, to the rear top edge of the safe-body and is provided at its under side near its edges with a strengthening-strip 19. At the under side of the hinged top lid 17, near the swinging edge thereof, is arranged an ordinary key-operated lock 20, provided with a base-plate 21, having angled attaching feet or flanges 22 at its ends, which are detachably bolted to the lid 17 by means of the bolts 23, thereby providing simple and efficient means for detachably fastening the lock to the lid, so that the same can be readily removed, if found necessary, for repairs. The angled feet or flanges 22 of the lock base-plate also serve to offset the lock sufficiently from the lid so that the bolt thereof will engage beneath one side portion of the interior annular bead or jamb 16.

The top lid 17 acts as a cover for all of the bins 11 except for the separate upright coffee-bin 23ª, built within one of the end bins 11 and provided with an independent sliding cover or lid 24 at the open upper end thereof. The coffee-bin 23ª extends substantially the entire length of the bin 11, within which it is located, and is provided in its bottom with a feed-opening 25, which serves to deliver the coffee to an ordinary coffee-mill 26, suitably mounted in position within the safe-body directly below the bottom of the storage-bin 23ª for the coffee, and the ground coffee from the mill 26 falls into a coffee-drawer 27, removably fitted in the drawer-opening 28, formed within one end of the safe-body below the plane of the mill 26.

The upright bins 11 within the safe have fitted within their lower ends inclined false bottoms 29, which decline from the front of the safe toward the rear thereof and serve to deflect the contents of the bin onto the rear portion of the horizontal shelf 30, fitted within the lower or base portion 7 of the safe-body. The horizontal shelf 30 within the lower or base portion 7 of the safe-body divides the interior of the base into separate upper and lower sets of compartments, and in the space above the shelf 30, between the same and the false bottoms 29, are arranged a series of vertical partition-plates 31, having the same spacing as the partition-plates 10 and forming a plurality of scooping-compartments 32, one for each bin 11, and which are kept filled with sufficient of the materials as required for use, it of course being understood that the rearwardly-declining false bottoms 29 of the bins prevent the contents thereof from spilling out through the front openings of the compartments 32.

A single vertical partition-plate 33 is fitted in the space below the horizontal shelf 30 and is arranged so as to form within the extreme bottom of the safe-body a large compartment 34, preferably designed for bread or cake, and a smaller compartment 36, which may conveniently hold any kitchen utensils or tools, and within the compartment 36 are preferably mounted in a fixed position and handy for use the scales 37, the scale-plate 38 of which is fitted on the outside of the safe-body, at one end thereof.

The horizontal partition-shelf 30 in the base portion of the safe has fitted to the front edge thereof a rounded strengthening-bead 38ª, and the compartments below the shelf 30 are designed to be covered at the front by means of a door 39, hinged at its lower edge at 40 to the front lower edge of the safe-body and provided at its inner side and near the upper edge thereof with a spring catch-lip 41, adapted to have an interlocking engagement with the lower side of the round bead 38. The scooping-compartments 32 above the shelf 30 are inclosed at the front by a continuous front door 42, hinged at one edge, as at 43, to the front of the safe-body and of a sufficient width so as to have the free swinging edge thereof overlap the unhinged edge of the lower front door 39 when the latter is closed. Near its unhinged or free edge the upper front door 42 is provided at its inner side with an offstanding spring catch-lip 44, adapted to spring in engagement with the upper side of the bead 38. In addition to the catch-lip 43 the door 42 carries an ordinary key-operated lock 45.

The lock 45, like the lock 20, is provided with a base-plate 46, having angled attaching feet or flanges 47 at its ends, which are detachably bolted to the door 42 by means of the bolts 48, whereby the lock can be removed for repairs when necessary. The angled feet or flanges 47 of the lock base-plate 46 also serve to offset the lock sufficiently from the door, so that the bolt of the lock will engage at the rear side of the bead 38, and by reason of the overlapping of the two doors the lock

45 will serve as the lock for both, as will be readily understood.

The front projection of the enlarged lower base portion 7 of the base-body is formed above the plane of the scooping-compartments with a canister-compartment 49, having a sharply-inclined top panel 50, declining from the vertical front wall 6 of the upper bin portion of the safe. The top panel 50 of the canister-compartment 49 is provided with a plurality of rectangular openings 51, designed to removably receive therein spice-canisters 52, which spice-canisters occupy a vertical position and are provided at one end with inclined flanged plates 53, which rest on the panel 50 and have the same inclination as the latter. The said canisters 52 are further provided with removable end caps 54, which permit of the same being readily filled and emptied.

At a point intermediate the opposite ends of the safe-body 1 the canister-compartment 49 is cut away, as at 55, to form a receptacle for an ordinary clock 56, which is properly supported in position by means of the clock-holder 57. The clock-holder 57 essentially consists of an angled plate having separate upper and lower flanges 58 and 59, bent at an obtuse angle to each other and the lower of which flanges is formed with a circular opening 60, in which the clock 56 is removably fitted. The upper edge of the plate forming the clock-holder 57 is provided with hinge-eyes 61, adapted to aline with a similar eye 62, arranged at the front side of the safe-body and designed to removably receive a hinge-pin 63, which serves to detachably hinge the clock-holder in place. Normally the clock-holder hangs in a pendent position, with its upper flange 58 partly resting on the inclined panel 50 and having the same inclination as the latter, while the lower flange 59 occupies a substantially vertical position, so as to properly expose the clock.

Whenever it is necessary to wind or set the clock the holder-plate 57 is raised on its hinge, so as to expose the back of the clock to view, and should at any time the clock fail to start after being wound the same may be readily started without removing it from the holder by sharply vibrating the latter on its hinge, as will be readily understood.

It is thought that the use of the different parts of the safe will be readily understood from the foregoing description; but at this point it may be added that by a proper manipulation and sliding of the temporary inside cover-plates 13 one or more of the upright bins 11 may be temporarily closed during the process of filling an adjacent compartment, thereby preventing materials from being accidentally spilled into the wrong bin.

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.

Having thus described the invention, what is claimed, and desired to be secured by Letters Patent, is—

1. In a kitchen-safe, the safe-body provided with a clock-receptacle, and a swinging clock-holder hinged at its upper edge to the safe-body and arranged to normally cover said receptacle, said clock-holder being provided with an opening snugly receiving therein a clock and adapted to be raised or swung upwardly on its hinge to expose the rear side of the clock for winding or setting, substantially as set forth.

2. In a kitchen-safe, the safe-body provided at the front with an offset portion having an inclined top panel and a centrally-located clock-receptacle, and a clock-holder detachably hinged at its upper edge to the front of the safe-body over said clock-receptacle and conforming to the shape of the front offset of the safe-body, said clock-holder being provided with an opening for receiving therein an ordinary clock, substantially as set forth.

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

JESSE M. CURTICE.

Witnesses:
W. M. HENSON,
C. S. MOREY.