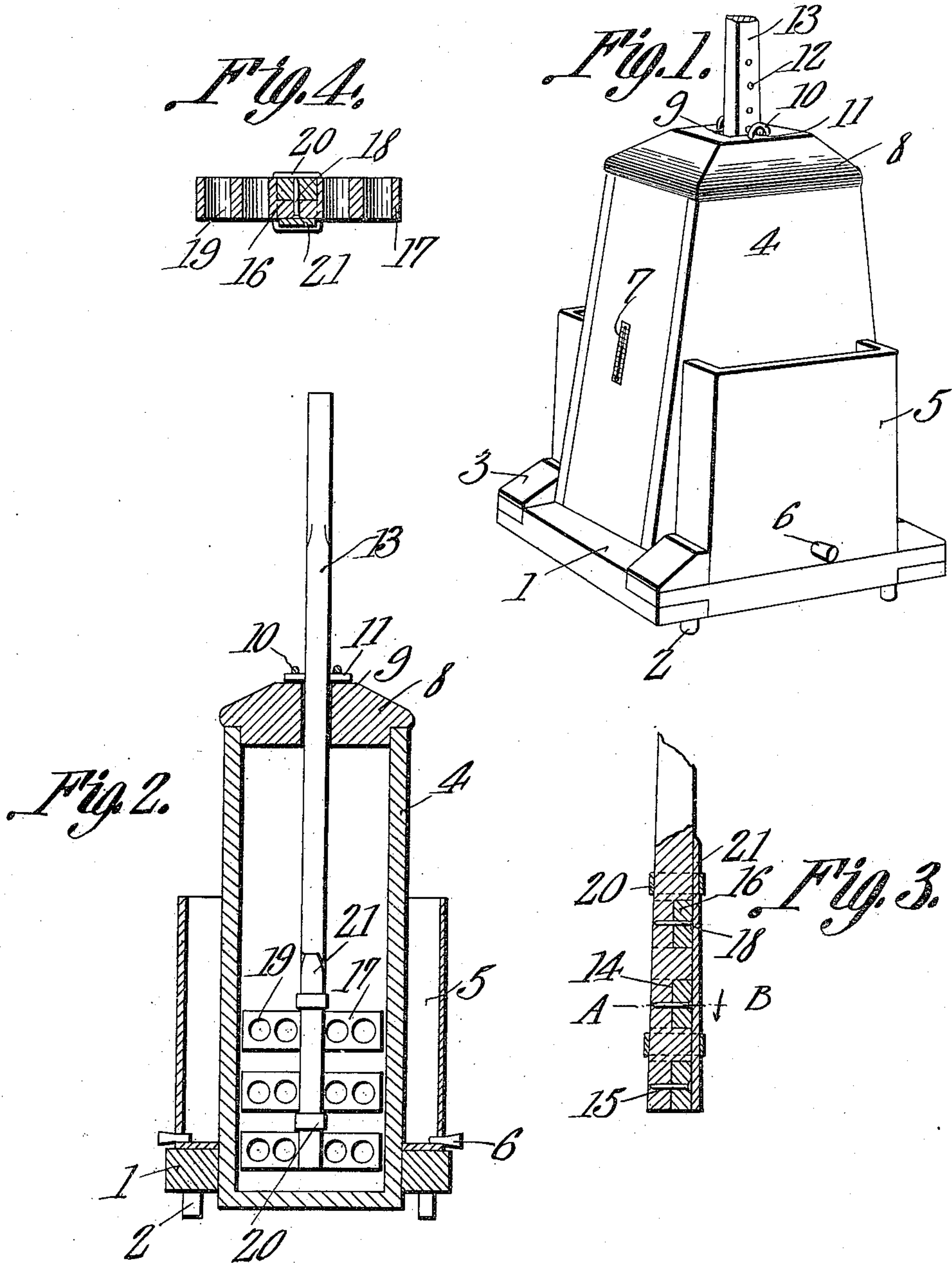


T. J. JARNAGIN.
CHURN.

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975,044.

Patented Nov. 8, 1910.



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UNITED STATES PATENT OFFICE.

THOMAS JEFFERSON JARNAGIN, OF PRINCETON, TEXAS.

CHURN.

975,044.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, THOMAS J. JARNAGIN, a citizen of the United States, residing at Princeton, in the county of Collin and State of Texas, have invented a new and useful Churn, of which the following is a specification.

This invention relates to churns and one of its objects is to provide a churn body 10 having means whereby the contents of said body can be cooled or warmed, as desired, by the application of a liquid of suitable temperature to opposed walls of the body, means being provided for holding liquid upon said 15 walls.

Another object is to provide a dasher of improved construction whereby the cream can be quickly converted into butter.

A further object is to provide a dasher 20 the parts of which can be readily taken apart for the purpose of cleaning or repairing them.

With these and other objects in view the invention consists of certain novel details 25 of construction and combinations of parts hereinafter more fully described and pointed out in the claims.

In the accompanying drawings the preferred form of the invention has been 30 shown.

In said drawings:—Figure 1 is a perspective view of the churn. Fig. 2 is a vertical transverse section there-through. Fig. 3 is a longitudinal section through a portion of 35 the dasher. Fig. 4 is a transverse section there-through on the line A—B, Fig. 3.

Referring to the figures by characters of reference 1 designates a framelike base mounted on suitable legs 2 and having up- 40 standing retaining ears 3 thereon, said ears being arranged in pairs.

The churn body 4 is preferably angular in contour and the bottom portion thereof is adapted to project into the frame 1, there 45 being receptacles 5 upon opposed walls of the body and the bottoms of which are adapted to bear upon the base frame 1 and thus support the body upon the frame. Each of these receptacles 5 has a drain opening which is normally closed by means of a 50 plug 6 or the like. A thermometer 7 may be arranged upon one of the walls of the body so as to enable the temperature of the contents of said body to be readily determined.

55 A closure 8 is mounted upon the upper end of the body and has an opening 9 there-

in, there being upstanding eyes 10 or the like disposed upon the closure and at opposite sides of the opening. These eyes are adapted to receive a pivot bolt 11 which is 60 removably mounted in any one of a series of openings 12 formed within a lever 13. This lever projects downwardly into the body 4 and is provided adjacent its lower end with a series of notches 14, the inner 65 wall of each notch being formed with an opening 15. Each notch is adapted to receive the central recessed portion 16 of a dasher blade 17, there being a holding pin 18 secured to the dasher blade 17 and cen- 70 trally within the notch 16 this pin being insertible into one of the openings 15 in the lever 13. Apertures 19 are formed in the end portions of each blade.

Bands 20 extend loosely around the lever 75 13 at points between the notches 14 and also at a point above said notches and these bands are adapted to be engaged by a wedge shaped retaining strip 21. Obviously by forcing this strip into engagement with the 80 band it will hold the blade 17 against displacement from the notches 14. By notching the lever and the blades, it will be apparent that each of the blades will straddle the notched portion of the lever and will 85 thus be held against oscillation relative to the lever.

In using the churn which has been described the cream is placed within the body 4 and the temperature will be accurately in- 90 dicated by the thermometer 7. Should it be desired to cool cream, cold water may be placed within the receptacle 5. The lever 13 is then inserted through the opening 9 and after the cover 8 has been placed on the 95 body 4 and the dasher has been adjusted to the desired elevation within said body, the bolt 11 may be inserted through the eyes 10 and into the adjoining opening 12. The dasher can then be oscillated and the broad 100 faces of the blades will be presented to the cream and said cream will be thoroughly agitated thereby a portion thereof passing through the openings 19.

It will be seen that by constructing the 105 dasher in the manner described the various blades can be readily removed simply by driving the retaining strip 21 longitudinally out of the band 20 and then lifting the blade 17 from the notches 14. 110

Various changes can of course be made in the construction and arrangement of the

parts without departing from the spirit or sacrificing any of the advantages of the invention as defined in the appended claims.

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

1. A churn dasher including a notched lever, blades seated within the notches and engaging the lever, a wedge like retaining strip extending across all of the blades, and means surrounding the strip and lever for detachably holding said strip upon the lever.

2. A churn dasher including a notched lever, blades seated within the notches and engaging the lever, a retaining strip extending across all of the blades, and means surrounding the strip and lever for detachably holding said strip upon the lever.

3. A churn dasher including a lever having notches therein, blades seated within said notches and having recesses for the reception of the adjoining portions of the lever, a centering pin extending from each blade and into the lever, bands extending around said lever, and a wedge shaped retaining strip seated within the bands and extending transversely of and contacting with the blades.

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

THOMAS JEFFERSON ^{his} × JARNAGIN.
mark

Witnesses:

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