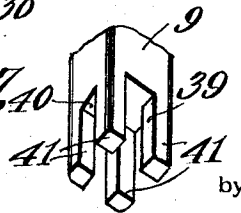
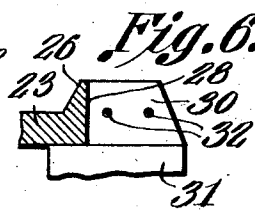
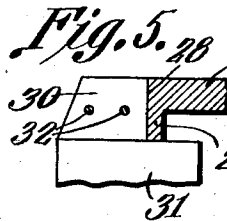
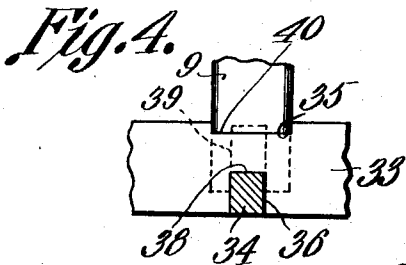
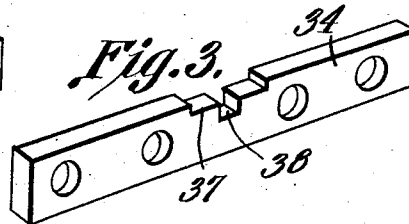
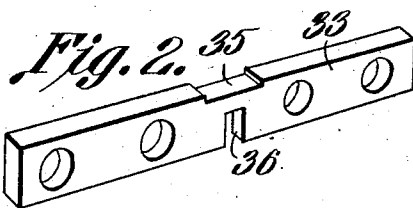
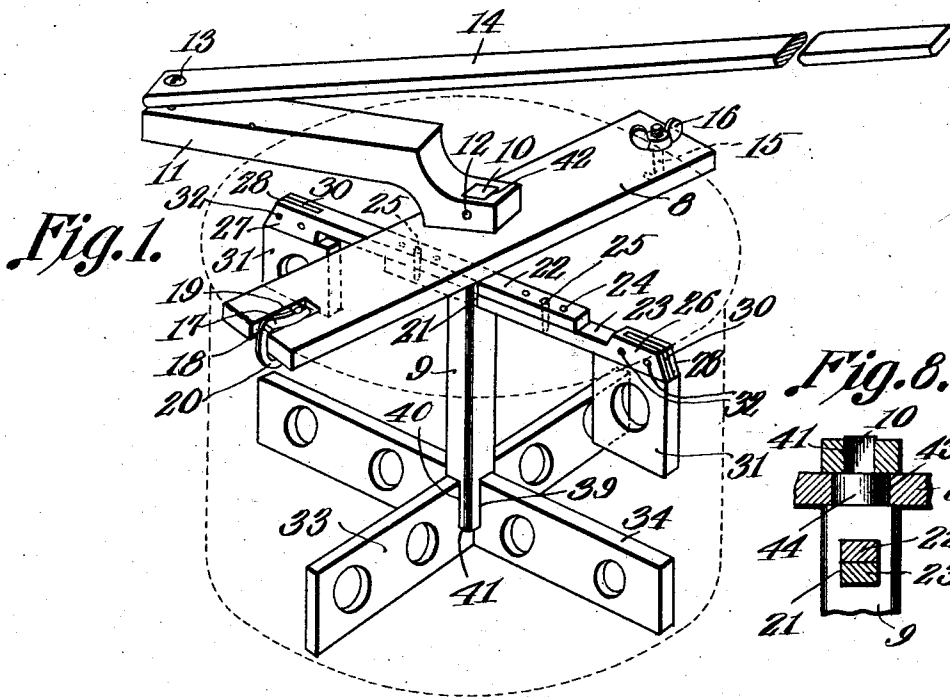


STIRRING DEVICE.

1,048,025.

Patented Dec. 24, 1912.



Witnesses

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UNITED STATES PATENT OFFICE.

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STIRRING DEVICE.

1,048,025.

Specification of Letters Patent.

Patented Dec. 24, 1912.

Application filed March 28, 1912. Serial No. 686,871.

To all whom it may concern:

Be it known that I, CHARLES H. ANTHONY, a citizen of the United States, residing at St. James, in the county of Phelps and State of Missouri, have invented a new and useful Stirring Device, of which the following is a specification.

This invention relates to stirring devices, and has for its object to provide a novel and collapsible or knock-down stirring device which may be applied to kettles and other containers for stirring the contents thereof when being boiled or cooked, and to provide means whereby the said device may be operated at a convenient distance to the side of the kettle in order to prevent the hand of the operator from being scalded.

A further object of the present invention is to provide a device of this character which is simple and inexpensive in construction, and which is substantial when erected.

With the foregoing and other objects in view, which will be apparent as the invention is better understood, this invention resides in the novel construction and combination of parts set forth in the following description and pointed out in the appended claims, reference being had to the accompanying drawings illustrating the invention, and wherein—

Figure 1 is a perspective view of the stirring device, parts being broken away. Figs. 2 and 3 are perspective views of the lower paddles. Figs. 4 to 8, inclusive, are fragmental views of details.

Referring specifically to the drawings, wherein similar reference characters denote corresponding parts, the numeral 8 designates a cross bar which is adapted to seat on the edges of a kettle. This bar 8 is provided at one end with a catch or hook 15 having the shank thereof passing through the said bar and screw threaded with a thumb nut 16 on the screw threaded end thereof and bearing on the bar 8. Bell crank lever 17 is pivoted in an open slot 19 in the other end of the bar, as designated by the numeral 18, and the depending arm of the said lever is provided with a catch or hook 20 cooperating with or complementing the catch or hook 15 for engaging the bead of the kettle to retain the bar 8 in position, as will be understood.

A vertical shaft 9, which is square in cross section, has a primary reduced portion 44 at its upper end and also a secondary

reduced portion 10, and directly below the said reduced portions the shaft is provided with a transverse opening 21 extending therethrough, while in the lower end of the shaft are provided intersecting cross slots 39 and 40, which provide a cruciform opening. The primary reduced portion 44 is circular in cross section and is journaled in a circular opening 43 in the central portion of the bar 8, and a secondary reduced portion 10 is square or non-circular in cross section. A crank 11 has a square socket or opening 42 in its inner end receiving the secondary reduction 10 from the shaft 9 and abuts or seats against the primary reduction 44, a pin 12 being passed through the inner end of the crank and the secondary reduction 10 to retain the crank in position on the upper end of the shaft. The primary reduction 44 is of a length equal to the thickness of the bar 7 and the shoulder formed by the primary reduction abuts or bears against the lower face or bottom of the bar 8, while the inner end of the crank 11, which is offset downwardly, seats on or contacts with the upper face or top of the said bar. In this manner the shaft 9 is held in position for rotary movement. A screw or wrist pin 13 is secured to the outer end of the crank 11, and one end of the rod 14 is attached thereto. This rod 14 may be of any suitable length, and permits the crank 11 to be rotated from a position at any suitable distance to one side of the kettle.

A pair of arms 22 and 23 pass through the transverse opening 21 in the shaft 9 in opposite directions and overlap each other, the arm 22 being arranged uppermost while the arm 23 is arranged lowermost. Pins 25 are insertible through the said arms 22 and 23 at the respective sides of the shaft 9, the said arms being provided with openings 24 to receive the said pins. If desired, the said arms may be provided with a series of such openings in order to permit the arms to be moved longitudinally relative to each other for various adjustments, thus distending or retracting the outer ends of the said arms. These arms 22 and 23 are arranged loosely in the opening 21 in order to permit them to slide transversely therethrough. The lower arm 23 is provided with an upper extension 26 at its outer end, while the upper arm 22 is provided with a lower extension 27 at its outer end, the outer end of each of the said arms being provided

with a slot or mortise 28 for the reception of the tenon or tongue 30 of the paddle 31. The pins or other securing members 32 are passed through the outer ends of the arms 5 and through the tenons or tongues 30 to attach the paddles 31 to the arms. These paddles 31 are provided with openings, and when the shaft 9 is rotated are made to rotate therewith for stirring the contents of 10 the kettle at the upper end of the same, and the arms 22 and 23 being slidably disposed in the opening 21 in the shaft permit the paddles to be adjusted transversely or radially of the shaft to accommodate the 15 kettle, as will be understood.

A paddle 33 fits in the cross slot 40 in the lower end of the shaft 9 and has a recessed or cut away portion 35 in its upper edge receiving the shaft and also an open 20 slot 36 in its lower edge, which slot registers with the slot 39. A second paddle 34 fits in the slot 39 and the slot 36, and is arranged at right angles to the paddle 33, the paddle 34 having an open slot 38 in its upper 25 edge receiving the former paddle and having a recessed or cut away portion 37 in its upper edge at the outer end of the slot 38, which recessed or cut away portion receives the shaft 9. The upper and lower 30 edges of the transverse paddles 33 and 34 are arranged in common planes, and the paddles are frictionally held in the lower end of the shaft 9 in the manner described, the transverse slots 39 and 40 forming fin- 35 gers 41 which extend or fit in the corners between the said paddles, and which fingers terminate short of the lower edges of the paddles. In assembling the paddles 33 and 34 with the shaft 9, the paddle 33 is 40 first inserted into the slot 40, the shaft being received by the recessed or cut away portion 35, which will constrain the paddle 33 against lateral displacement and thereby retain the slot 36 in registration or co- 45 incident with the slot 39 in the shaft 9. The paddle 34 is then inserted into the registering slots 39 and 36, and the two paddles 33 and 34 are thus readily attached to the lower end of the said shaft.

In use, the bar 8 is secured on the kettle, which will bring the paddles 31, 33 and 34 within the kettle, the latter paddles being arranged adjacent the bottom of the kettle, and the operator by grasping the 55 free end of the bar 14 may conveniently rotate the crank 11, which will cause the shaft 9 to be rotated in order to stir the contents of the kettle by means of the paddles. This device permits the operator to stir the 60 contents of the kettle at a suitable distance to one side of the same in order to prevent his hands from being scalded or otherwise injured. This device is particularly adapt-

ed for use in stirring apple butter, but it is understood that the same may be used for 65 various other purposes of like character. When the device is not in use, the same may be readily dismantled or collapsed, this being effected by removing the pin 12 from the crank 11 and the secondary portion 10 70 of the shaft 9 which will permit the crank to be removed, and thereby permit the shaft to be drawn from the bar 8. The pins 25 are then removed from the arms 22 and 23, which will permit the arms to be withdrawn 75 from the shaft 9, and the paddles 33 and 34 may also be disengaged from the lower end of the shaft 9. In this manner the device may be compactly stored or shipped, and 80 may be readily erected when desired, the device being substantial when erected, and being simple and inexpensive in construction. The paddles, arms 22 and 23, the 85 shaft 9, the crank 11, and the bar 14 may all be constructed of wood if so desired, and preferably so, but it is understood that various other materials may be employed in the construction thereof. The device is readily applicable to the kettle by means of 90 the catches 15 and 20, and may be used on various kettles. This device may also be constructed in various sizes, proportions, and styles, as will be apparent to those fa- 95 miliar in the art. It is further understood that this invention is otherwise susceptible of alteration in its details within the scope of the appended claims without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is:— 100

1. A collapsible stirring device embodying a shaft adapted to be suspended in various vessels and having a transverse opening therethrough, a pair of arms overlapping each other and having their overlapped 105 portions passing slidably through the said opening, means for adjustably locking the said arms together and paddles carried by the outer ends of the said arms.

2. A collapsible stirring device embodying a vertical shaft adapted to be suspended in various vessels and having a transverse opening therein, a pair of arms overlapping each other and having their overlapped portions passing slidably through the said open- 115 ing, pins insertible through the said arms to adjustably lock them together, and paddles carried by the outer ends of the said arms.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses. 120

CHARLES H. ANTHONY.

Witnesses:

FRANK BILLER,
ADOLPH MÜLLER.