J. J. KIRBY.

DETACHABLE HANDLE FOR PANS AND KETTLES.

APPLICATION FILED JUNE 2, 1921.

1,414,189. Patented Apr. 25, 1922.

FIG. 1.

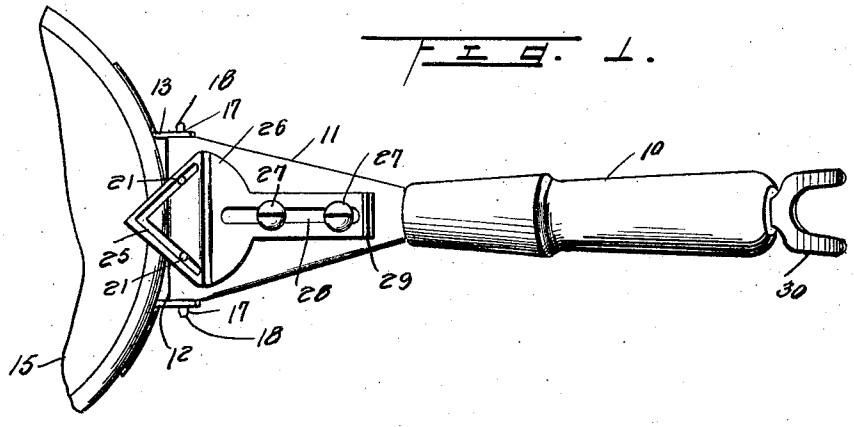


FIG. 2.

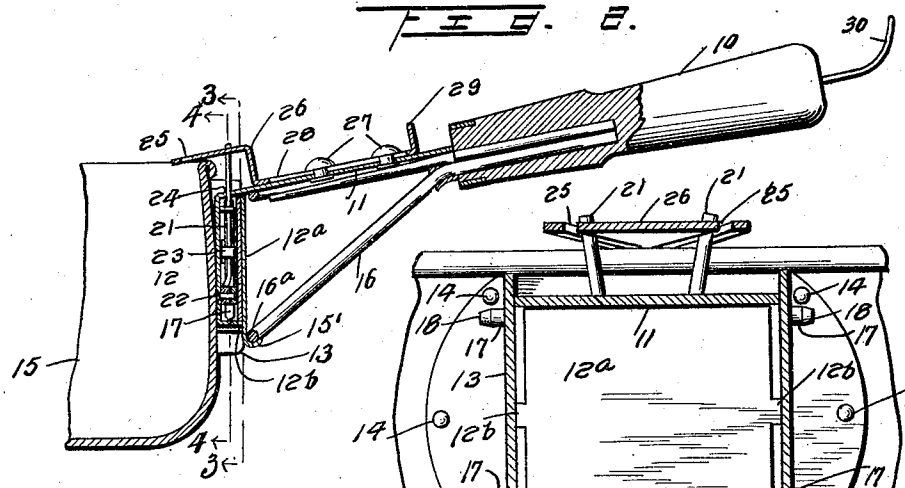
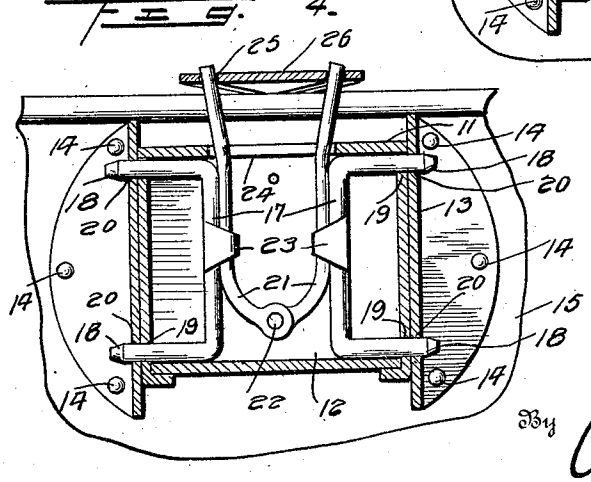


FIG. 3.

FIG. 4.



Inventor

J. J. Kirby.

By Randolph & Co.,

Attorney

UNITED STATES PATENT OFFICE.

JOHN J. KIRBY, OF SUSANVILLE, CALIFORNIA.

DETACHABLE HANDLE FOR PANS AND KETTLES.

1,414,189. Specification of Letters Patent. Patented Apr. 25, 1922.

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To all whom it may concern:

Be it known that I, JOHN J. KIRBY, a citizen of the United States, residing at Susanville, in the county of Lassen and State of California, have invented certain new and useful Improvements in Detachable Handles for Pans and Kettles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The object of the invention is to provide a simple and efficient handle for use in connection with cooking and like culinary vessels such as pans, kettles and the like which, being constructed separately from the vessel, and adapted to be removed therefrom during the time that the vessel is on the stove or during the cooking operation, is readily applicable to the same when it is desired to move, lift or remove the vessel from the stove, and which may not only be attached and detached with facility and without loss of time, but which when secured in place is locked against any reasonable possibility of accidental removal involving the dropping of the vessel; and with these objects in view the invention consists in a construction and combination of parts of which a preferred embodiment is shown in the drawing, wherein:

Figure 1 is a view of a handle embodying the invention applied in the operative position to a cooking vessel.

Figure 2 is a longitudinal sectional view of the same.

Figures 3 and 4 are vertical sectional views on the planes indicated by the lines 3—3 of Figure 2, showing the locking elements respectively in their extended or engaging and in their retracted or disengaging position.

The handle consists essentially of a grip 10 having a head member 11 terminating in a depending bearing plate 12, which is adapted for reception by a keeper 13 which is rigidly attached as by rivets 14 to the kettle or vessel 15, said keeper being provided at its lower edge with an outwardly projecting seat 15′ for the reception of the lower end of a diagonal brace 16 extending from the inner end of the head 11 to the plane of the lower edge of the bearing plate 12. In the construction illustrated the brace is constructed of heavy wire or rod made of looped form with a transverse bearing element 16^a to rest in the seat 15′ when the bearing plate or member 12 is fitted in the keeper.

The bearing plate or member is hollow, preferably having a removable outer or rear wall 12^a secured in place by swaged lugs 12^b, and within said bearing plate or member are arranged transversely movable locking members 17, of generally looped form with the terminals 18 thereof constituting bolts which project laterally through guide openings 19 in the side walls of the member for engagement with corresponding openings 20 in the end walls of the keeper 13. The locking members are movable transversely as above indicated to either extend or retract the terminals constituting the locking bolts, and in the construction illustrated the means for effecting this movement of the locking members consists of pivotal levers 21 mounted at 22 within the casing formed by the bearing plate or member, connected with keepers 23 on the locking members, and having their upper free ends projected through a transverse slot 24 in the upper wall of the casing and engaged by the cam slot 25 in a slide 26 which is mounted upon the head of the handle by means of headed studs 27 engaging a longitudinal slot 28 therein. The cam slot 25 consists of outwardly or rearwardly divergent portions or elements whereby as the slide is moved forward or inward toward the vessel the extremities of the operating levers are spread to correspondingly extend the bolt elements of the locking members to effect engagement with the openings 20 in the side walls of the keeper 13 and thereby lock the handle to the vessel. A reverse movement of the slide serves to draw the free ends of the operating levers toward each other and thus retract the locking bolts to disengage the bearing member of the handle from the keeper and hence from the vessel to permit the detachment of the handle. The slide is provided at its outer or rear end adjacent to the grip 10 with a thumb hold or ear 29 by which the slide may be manipulated, so that when the bearing member is slipped into place in the keeper a slight movement of the thumb of the hand grasping the grip will serve to position the slide to effect the locking of the handle to the vessel, and a reverse movement of the thumb applied to the slide will result in disengaging the handle to per-

mit of its removal, so that the handle does not become heated by reason of the cooking of the contents of the vessel.

Correspondingly to effect the removal of the cover or lid of the vessel the outer or rear end of the handle is provided with a fork 30, and therefore the necessity of using cloths or means of protecting the hands of the operator in manipulating the vessels or in removing the covers thereof is eliminated together with the unsanitary disadvantages of such procedure.

Having thus described the invention, what I claim is:—

1. A detachable handle for vessels having a keeper secured to the vessel, a grip having a terminal bearing member to fit in said keeper, laterally movable locking bolts carried by the bearing member for engagement with seats in the side walls of the keeper, and means for extending and retracting said locking bolts.

2. A detachable handle for vessels having a keeper secured to the vessel, a grip having a terminal bearing member to fit in said keeper, laterally movable locking bolts carried by the bearing member for engagement with seats in the side walls of the keeper, and means for extending and retracting said locking bolts, the keeper being provided with a transverse bearing seat and the grip being provided with a downwardly and inwardly inclined bracing member for engagement with said seat when the bearing member is in engagement with the keeper.

3. A detachable handle for vessels having a keeper secured to the vessel, a grip having a terminal bearing member to fit in said keeper, laterally movable locking bolts carried by the bearing member for engagement with seats in the side walls of the keeper, and means for extending and retracting said locking bolts, and consisting of levers connected with said bolts and a slide provided with a cam slot for operating the levers.

4. A detachable handle for vessels having a keeper secured to the vessel, a grip having a terminal bearing member to fit in said keeper, laterally movable locking bolts carried by the bearing member for engagement with seats in the side walls of the keeper, and means for extending and retracting said locking bolts, consisting of levers connected with the bolts and a manually movable slide having cam slots for operating the levers.

5. A detachable handle for vessels having a keeper secured to the vessel, a grip having a terminal bearing member to fit in said keeper, laterally movable locking bolts carried by the bearing member for engagement with seats in the side walls of the keeper, and means for extending and retracting said locking bolts, said locking bolts consisting of the terminals of looped locking members, and the means for operating the same consisting of levers pivoted at one end, connected at intermediate points to said locking members and a slide movable longitudinally of the grip and having a slot with divergently disposed portions for respectively receiving the free ends of said levers.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN J. KIRBY.

Witnesses:
J. E. PARDEE,
R. M. HARDY.