M. FOLKUSH.

BOILER.

APPLICATION FILED APR. 10, 1920.

1,352,505.

Patented Sept. 14, 1920.

2 SHEETS—SHEET 1.

FIG. 1.

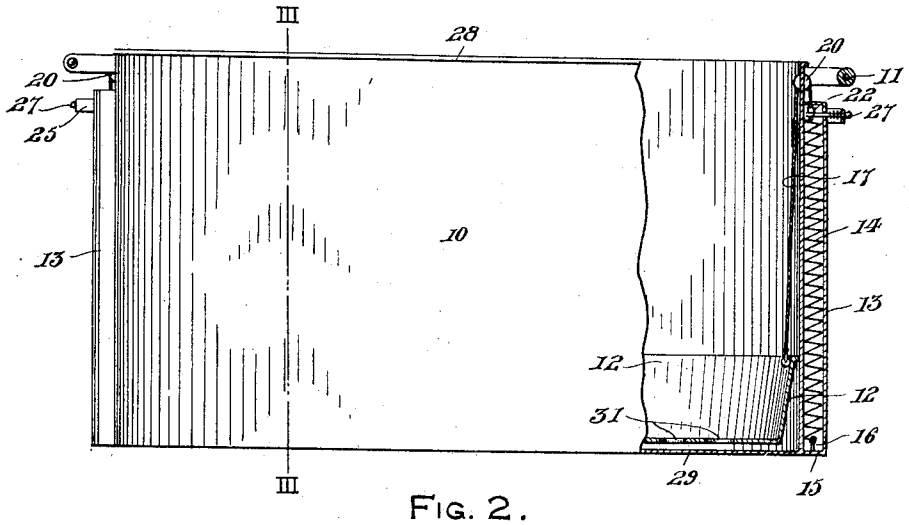


FIG. 2.

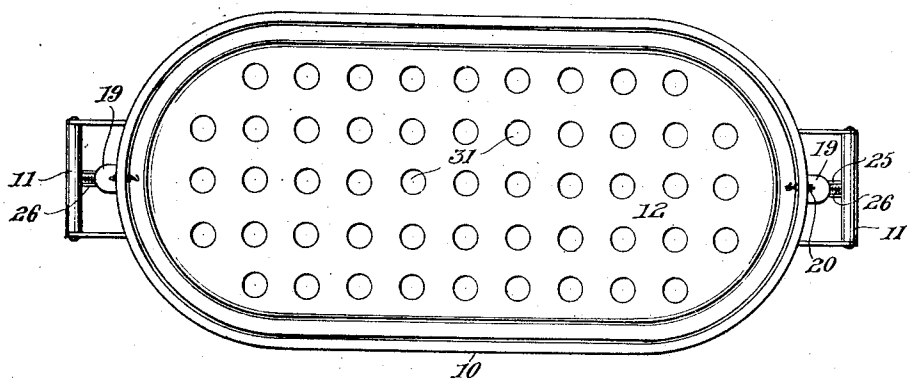
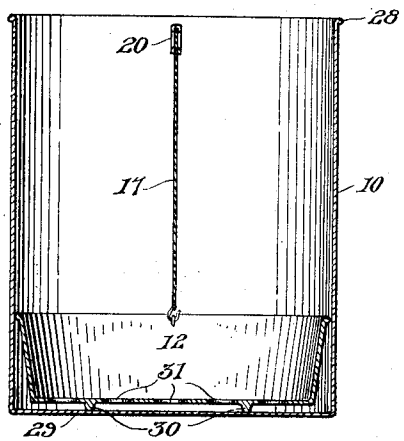


FIG. 3.



Inventor

M. Folkush

By F. M. Wilson

Attorney

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2 SHEETS—SHEET 2.

FIG. 4.

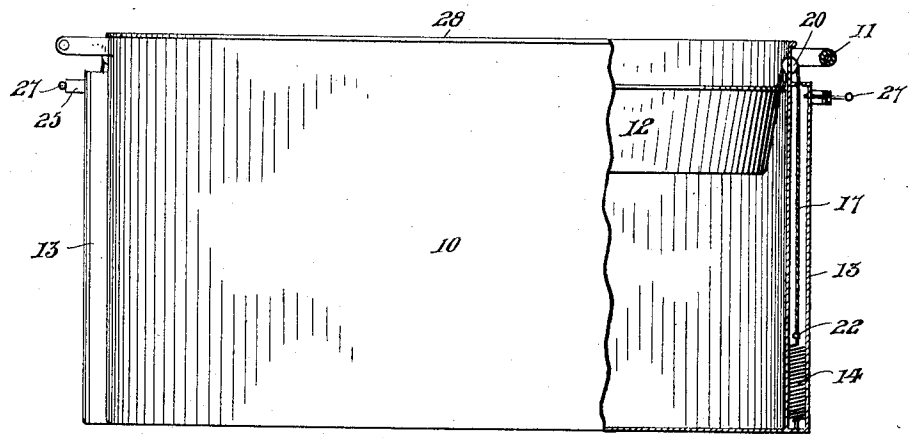


FIG. 5.

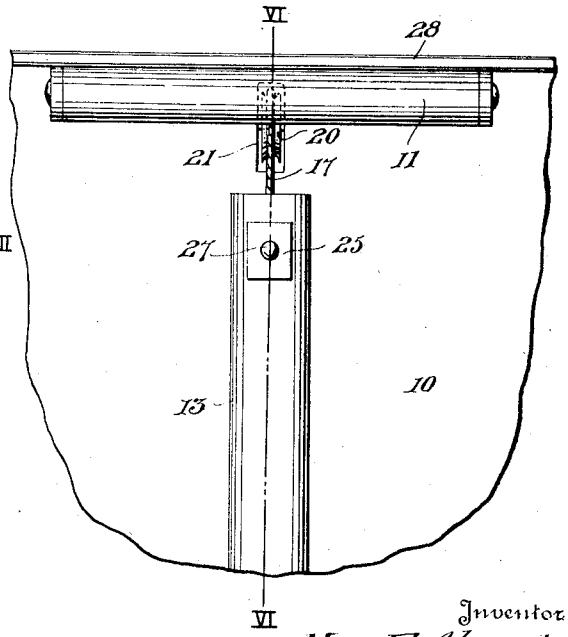


FIG. 6.

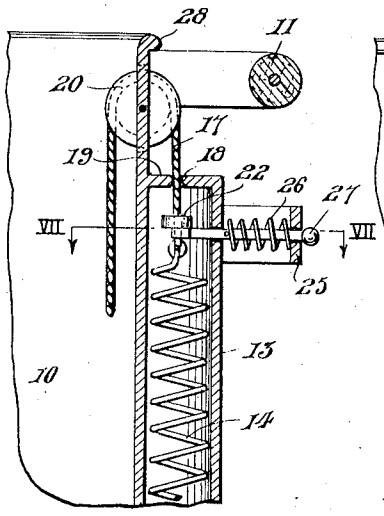
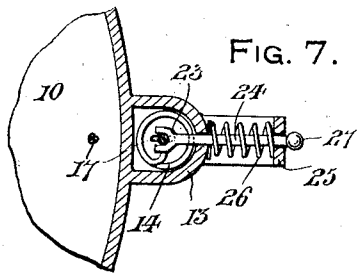


FIG. 7.



Inventor

M. Folkush

By A. M. Wilson

Attorney

UNITED STATES PATENT OFFICE.

MARTIN FOLKUSH, OF MILWAUKEE, WISCONSIN.

BOILER.

1,352,505. Specification of Letters Patent. Patented Sept. 14, 1920.

Application filed April 10, 1920. Serial No. 372,820.

To all whom it may concern:

Be it known that I, MARTIN FOLKUSH, a citizen of Czechoslovakia, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Boilers, of which the following is a specification.

The primary object of the invention is the provision of a boiler for any articles such as clothes whereby such articles are prevented from burning during the boiling operation and are automatically positionable to a point readily accessible adjacent the top of the device whenever desired.

A further object of the invention is to provide a boiler adapted for maintaining articles adjacent the bottom thereof for boiling and for automatically elevating the same adjacent the top of the device whereby access may be had thereto without burning the hands of the operator by the heated water in the boiler and the steam escaping therefrom.

With these general objects in view, the invention consists of the novel combination and arrangement of parts hereinafter more fully described in connection with the accompanying drawings and in which like characters designate corresponding parts throughout the several views.

In the drawings,

Figure 1 is an elevational view of the device with an end portion thereof broken away,

Fig. 2 is a top plan view of the same,

Fig. 3 is a transverse sectional view taken upon line III—III of Fig. 1,

Fig. 4 is a view similar to Fig. 1 with the article holder elevated,

Fig. 5 is an end elevational view of a portion of the device,

Fig. 6 is a vertical sectional view taken upon line VI—VI of Fig. 5, and

Fig. 7 is a vertical sectional detail view taken upon line VII—VII of Fig. 6.

My invention broadly comprises a clothes boiler 10 of substantially the usual form with end handles 11 for convenience in lifting the boiler, an article container or pan 12 positioned within the boiler 10 being adapted for readily lowering within the boiler for automatic raising to a point adjacent the top thereof whenever desired.

An upright casing 13 provided outwardly of each end of the boiler 10 has a normally compressed coil spring 14 therein secured at its lower end to the bottom 15 of the casing as at 16. A cord 17 connects the upper end of each spring 14 with an adjacent end of the pan 12, said curves passing through compressions 18 in the tops 19 of the casing 13 and over pulleys 20 journaled in slots 21 in the ends of the boiler 10.

Upon placing articles such as clothing in the pan 12 normally positioned adjacent the top of the boiler 10 with the spring 14 compressed as illustrated in Fig. 4 of the drawings, a clothes boiler or other member, not shown, is employed for forcibly depressing the pan 12 to its lowered position for boiling the articles as illustrated in Fig. 1. A block or shoulder member 22 is provided at the point of connection between each spring 14 and its cord 17 adapted for engaging the forked end 23 of a spring latch 24 therebeneath when the pan 12 is in its lowered position. The said latch 24 is shiftably mounted in a bracket 25 outwardly of the casing 13 and is provided with a spring 26 normally forcing the fork 23 inwardly and substantially centrally of the casing 13. A knob or handle 27 upon the outer end of the latch 24 is adapted for grasping for retracting the latch from the block 22, permitting the extended spring 14 to retract, whereby the simultaneous release of both of the latches 24 causes the springs 14 to automatically elevate the pan 12 with the articles contained therein to an accessible point adjacent the top or rim 28 of the boiler 10.

The complete operation of the invention will be apparent from this detailed description thereof, the articles being boiled in the usual manner when the pan 12 is lowered and at which time the pan rests upon the bottom 29 of the boiler 10 by means of feet or legs 30 upon the bottom of the pan, it being understood that the bottom of the pan 12 is provided with perforations 31. By the employment of my device, the pan 12 is automatically elevated at the conclusion of the boiling operation so that the articles may be easily removed therefrom at the tops of the boiler 10 without requiring the operator to dip into the boiler to a point adjacent the bottom thereof as is usually required with an ordinary boiler. While the form of the invention herein set forth is believed preferable, it will be understood that minor changes may be made in the

springs 14 and other details of construction without departing from the spirit and scope of my invention.

What is claimed as new is:

1. A device of the class described comprising a boiler, an upright casing formed at each end thereof, a pan freely positioned within the boiler, a compression spring within each casing having one end thereof secured to the bottom of the casing, a roller bearing journaled adjacent the upper end of the casing and connecting cords between the other ends of the springs and the opposite ends of the pan and passing over said bearings whereby said springs are adapted for automatically elevating the pan to a point adjacent the top of the boiler.

2. A device of the class described comprising a boiler, an upright casing formed at each end thereof, a pan freely positioned within the boiler, a compression spring within each casing having one end thereof secured to the bottom of the casing, connecting cords between the other ends of the spring and the opposite ends of the pan whereby said springs are adapted for automatically elevating the pan to a point adjacent the top of the boiler, a block adjacent the point of connection between each spring and cord and a spring pressed latch projecting into each casing having a forked end adapted for restrainingly positioning beneath the adjacent block with the springs extended and the pan depressed.

3. A device of the class described comprising a boiler, an upright casing formed at each end thereof, a pan freely positioned within the boiler, a compression spring within each casing having one end thereof secured to the bottom of the casing, a roller journaled adjacent the upper end of each casing, a cord passing over each roller and connected at its ends to the pan and upper end of the spring, and coöperative devices carried by the casing and cord for retaining the springs expanded.

4. A device of the class described comprising a boiler, an upright casing formed at each end thereof, a pan freely positioned within the boiler, a compression spring within each casing having one end thereof secured to the bottom of the casing, a roller journaled adjacent the upper end of each casing, a cord passing over each roller and connected at its ends to the pan and upper end of the spring, a block carried by each cord, and a tensioned slidable latch carried by each casing for engagement with the block to hold the springs expanded.

In testimony whereof I affix my signature.

MARTIN FOLKUSH.