Feb. 9, 1932. F. B. JOHNSON 1,844,509

PRESSURE WEIGHT FOR USE IN CONNECTION WITH COOKING UTENSILS

Filed May 28, 1930

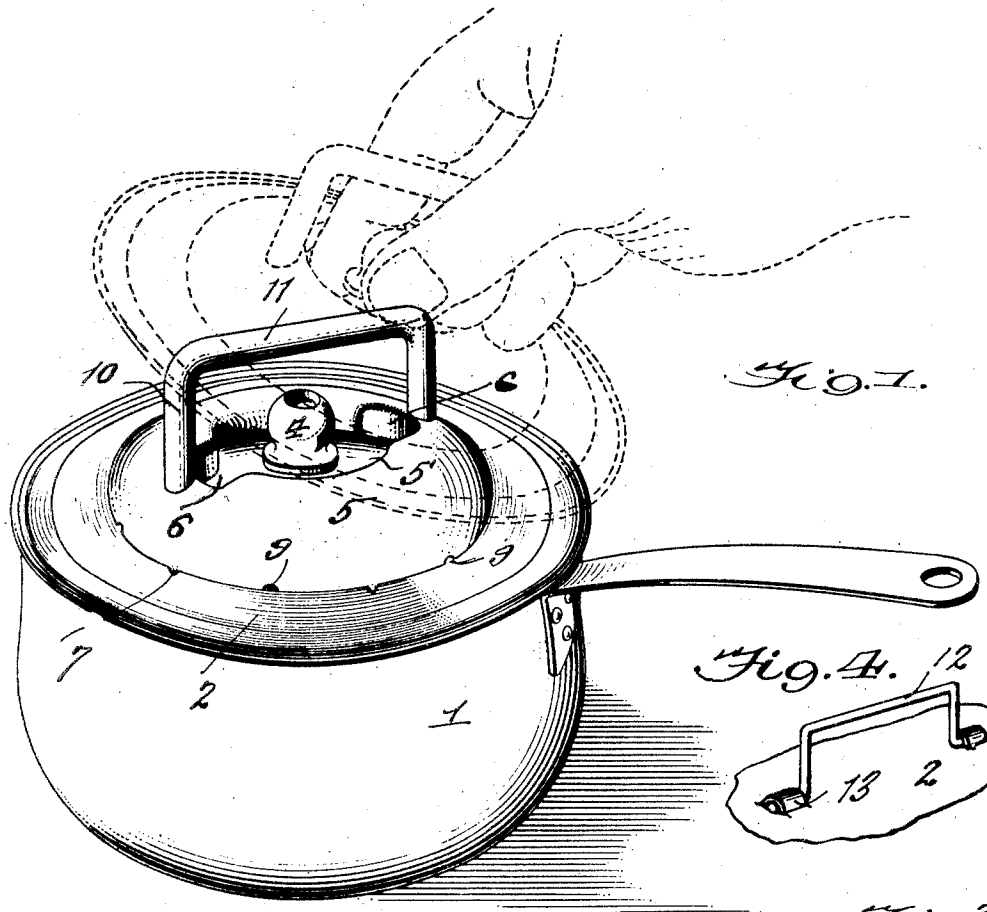


Fig. 1.

Fig. 4.

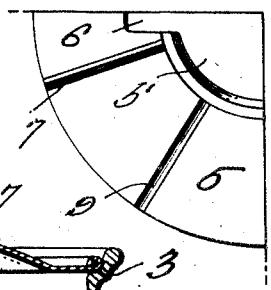


Fig. 3.

Fig. 2.

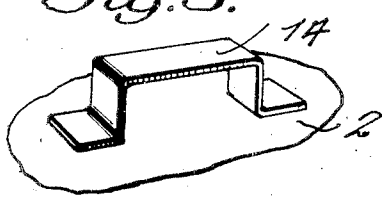


Fig. 5.

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Patented Feb. 9, 1932 1,844,509

UNITED STATES PATENT OFFICE

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PRESSURE WEIGHT FOR USE IN CONNECTION WITH COOKING UTENSILS

Application filed May 28, 1930. Serial No. 456,764.

This invention relates to a weight for use in connection with the covers or lids of cooking utensils, such as saucepans, kettles and the like.

The object of the invention is to temporarily increase the weights of the lids or covers of the utensils, during cooking operations, thereby converting the utensils into quasi pressure cookers. The covers of the vessels in connection with which this device is used are usually provided with knobs, bails or rings by which the cover may be conveniently lifted from the utensils and both the utensils and covers are usually of light material, such as aluminum, tin, enamel ware, etc.

A further object of this invention is to so construct the weight that the handle or bail of the cover, as the case may be, will extend through the opening of the weight, in position to be grasped by the hand so that both the cover and weight may be lifted at the same time, for inspecting the contents of the vessel, and to further so construct the weight that when in position upon the cover, it will be spaced therefrom, permitting circulation of air between the cover and weight, to prevent overheating of the weight.

In the drawings,

Figure 1 is a perspective view of a saucepan with the weight applied, there being shown in dotted lines, the cover being lifted and illustrating the manner in which both the weight and cover are lifted together.

Figure 2 is a central section of the upper part of a saucepan, cover and the weight.

Figure 3 is a fragmentary bottom plan view of the weight showing a rib and groove for air circulation.

Figure 4 is a detail showing another form of handle or bail common to the lids or covers of utensils of this character, and

Figure 5 is a similar view of still another form.

Referring to the drawings, the numeral 1 designates the body of the saucepan and 2 the cover, adapted to seat in seat 3 formed in the inner upper edge of the saucepan. The cover is provided with the usual knob or handle 4.

The numeral 5 designates the weight. This is preferably circular in form and is provided with a central opening 5′, for the passage of the knob 4, or other handle with which the cover may be provided. This opening is generally circular, but there is provided oppositely disposed recesses 6, to permit the passage of such handles or bails as are illustrated in Figures 4 and 5.

The under side of the weight is provided with ribs 7, which alternate with grooves 9, both the ribs and the grooves being radially arranged. The numeral 10 designates the handle of the weight, the downturned ends of which handle are connected with the weight at points opposite the recesses 6 and in line therewith, so that when the weight is used upon a cover having such bails as illustrated in Figures 4 and 5, they will be in line with or parallel with the upper cross piece 11 of the handle, and in convenient position to be grasped by the hand in removing the cover, when both the cover and the weight are simultaneously lifted from the kettle, as for instance, when it is desired to inspect the contents of the vessel.

When it is desired to remove the weight alone, obviously it is only necessary to grasp the handle, when the weight may be readily removed and shifted to another utensil, or put aside for future use.

Preferably the weight will weigh about two to two and one half pounds. Thus it will be apparent that this addition weight is added to the light lid or cover of a receptacle, thereby, in the cooking operation, retaining the steam or vapors, where such food is cooked, in connection with which it is desired to retain the vapors, and it will be further observed that by the use of the weight, less water is used, for cooking, thereby converting the utensil into a steamer. Furthermore, it is found that by the use of the weight, the fuel required for the cooking operation is reduced to a minimum, and very much less than required for a cooking operation where merely the light top is used, or an open vessel is employed.

What I claim is:—

1. A weight for use in connection with cov-

ers or lids of cooking utensils, comprising a body having an opening therethrough for the passage of the handle of the lid or cover of the cooking utensil, wherethrough the handle of the cover may be grasped to facilitate the removal of the weight and cover simultaneously.

2. A weight for use in connection with the covers of cooking utensils comprising a body having an opening therethrough for the passage of the handle of the cover of the cooking utensil, and means for spacing said weight from the cover to permit circulation of air between the cover and the weight to prevent excessive heating of the weight.

3. A weight for use in connection with the lids or covers of cooking utensils comprising a body having an opening therethrough for the passage of the handle of the cover and a handle secured to the weight and overlying the handle of the cover, whereby the weight may be conveniently removed from the cover without disturbing said cover.

4. A weight adapted for use in connection with the covers of cooking utensils, to add weight to the said covers, comprising a body having a main opening therethrough for the passage of the handle of the cover, wherethrough said cover handle may be grasped to facilitate the removal of the weight and cover simultaneously, the weight also having recesses extending laterally from the main opening to adapt the weight for use in connection with covers having strap or bale handles, and a handle secured to the weight, spaced therefrom, and extending in substantial parallelism with the recesses.

5. A weight for use in connection with the covers of cooking utensils, comprising a body having an opening therein wherethrough the handle of the cover of a cooking utensil may extend and whereby the said cover handle may be grasped to facilitate the removal of the weight and cover simultaneously, and projections on the under face of said weight to space the said weight from the cover to permit circulation of air between said cover and weight.

6. A weight for use in connection with covers or cooking utensils, comprising a body having an opening therethrough for the passage of the handle of the cover of a cooking utensil for the purpose set forth, and a series of ribs arranged on the under face of the weight and radiating from the center opening in said weight to the outer edge thereof, to space the weight from the cover and to present channels for the air circulation between the weight and cover.

In testimony whereof I affix my signature.

FRANK B. JOHNSON.

CERTIFICATE OF CORRECTION.

Patent No. 1,844,509. February 9, 1932.

FRANK B. JOHNSON.

It is hereby certified that error appears in the printed specification of the above numbered patent requiring correction as follows: In the grant, line 14, for "his heirs" read --her heirs--; and that the said Letters Patent should be read with this correction therein that the same may conform to the record of the case in the Patent Office.

Signed and sealed this 23rd day of December, A. D. 1941.

(Seal)

Henry Van Arsdale,
Acting Commissioner of Patents.