

C. A. LAUZON.
FIRELESS COOKER.
APPLICATION FILED SEPT. 2, 1909.

1,012,869.

Patented Dec. 26, 1911.

3 SHEETS—SHEET 1.

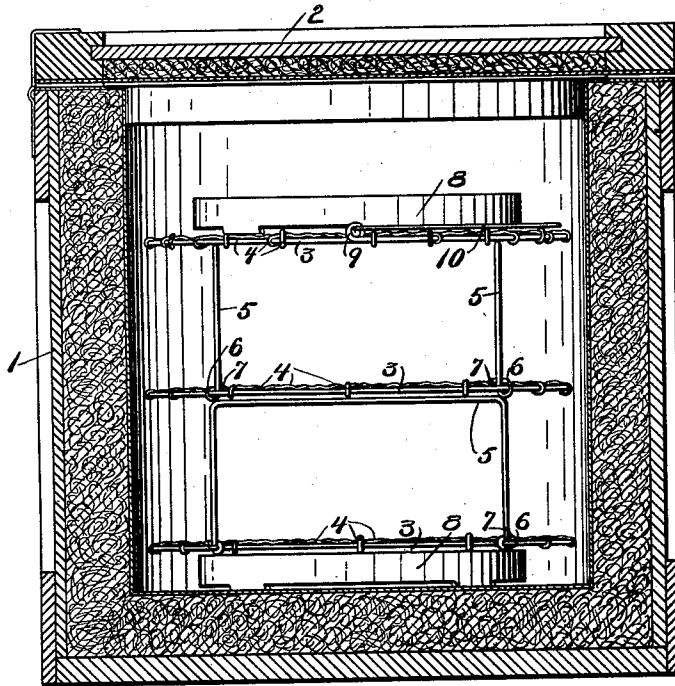


Fig. 1.

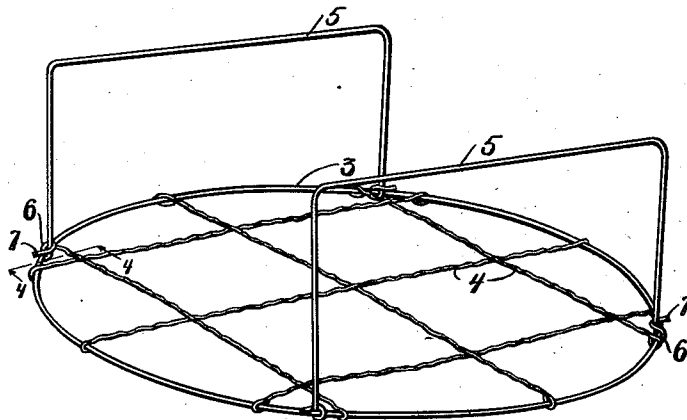


Fig. 2.

Witnesses

Marie Crude.

Majorie M. Hunt

Inventor

Calvin A. Lauzon

By

Chappell Earl

Attorneys

C. A. LAUZON.
 FIRELESS COOKER.
 APPLICATION FILED SEPT. 2, 1909.

1,012,869.

Patented Dec. 26, 1911.
 3 SHEETS—SHEET 2.

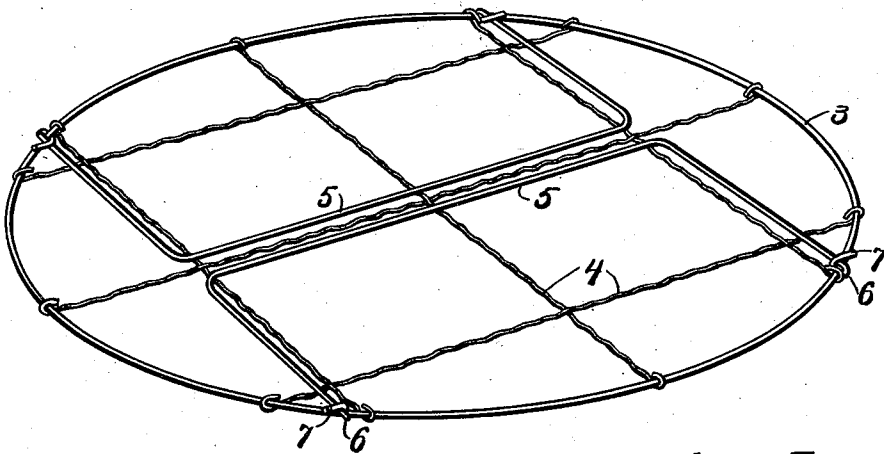


Fig. 3.

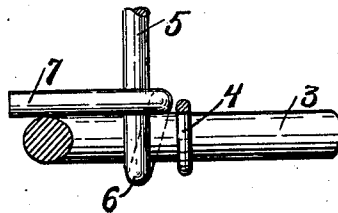


Fig. 4.

Witnesses

Marie Frude
Maymie C. Hunt

Inventor

Calvin A. Lauzon
Chappell & Earl

By

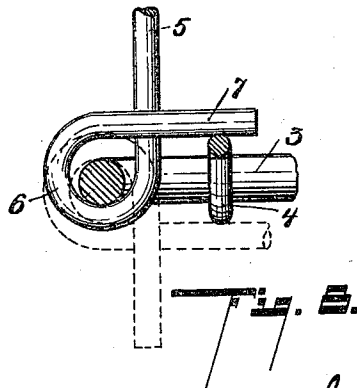
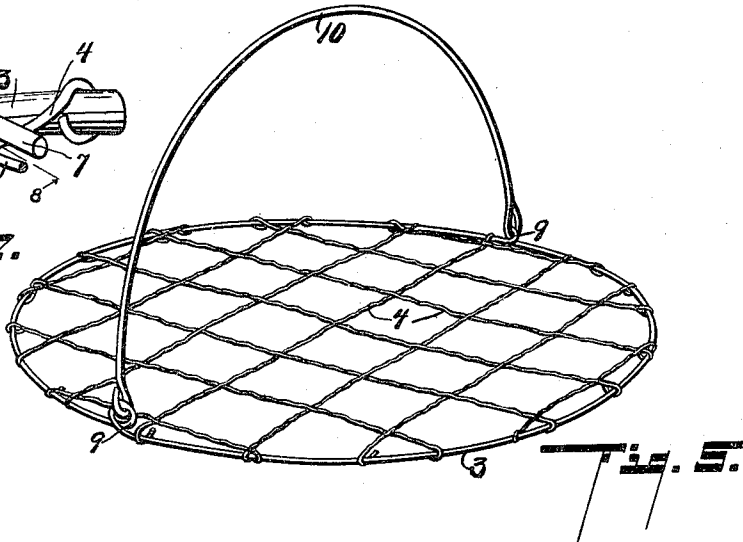
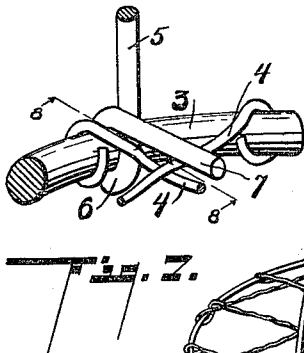
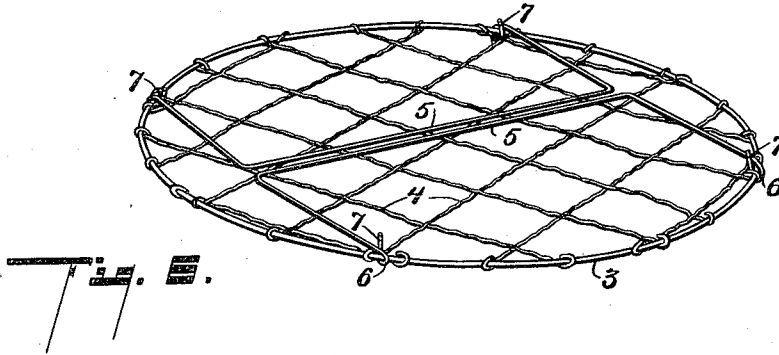
Attorneys

C. A. LAUZON.
FIRELESS COOKER.
APPLICATION FILED SEPT. 2, 1909.

1,012,869.

Patented Dec. 26, 1911.

3 SHEETS-SHEET 3.



Witnesses
Marie E. Truda
Maymie M. Hunt

By

Inventor
Calvin A. Lauzon
Chappell Earl
Attorney

UNITED STATES PATENT OFFICE.

CALVIN A. LAUZON, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR TO WM. HEAP & CO.,
OF MUSKEGON, MICHIGAN, A COPARTNERSHIP,

FIRELESS COOKER.

1,012,869.

Specification of Letters Patent.

Patented Dec. 26, 1911.

Application filed September 2, 1909. Serial No. 515,768.

To all whom it may concern:

Be it known that I, CALVIN A. LAUZON, a citizen of the United States, residing at Grand Rapids, county of Kent, State of Michigan, have invented certain new and useful Improvements in Fireless Cookers, of which the following is a specification.

This invention relates to improvements in fireless cookers.

10 My improved rack is particularly designed and adapted by me for use in fireless cookers, although it is desirable for use in other relations.

15 The main objects of this invention are, to provide an improved rack having collapsible standards.

20 Another object is to provide an improved rack by which a plurality of racks may be arranged one above the other and supported in a spaced relation.

Further objects, and objects relating to structural details, will definitely appear from the detailed description to follow.

25 I accomplish the objects of my invention by the devices and means described in the following specification.

30 The structure described constitutes one effective embodiment of my invention. Other embodiments would be readily devised by those skilled in the art.

The invention is clearly defined and pointed out in the claim.

35 A structure constituting an effective and preferred embodiment of the features of my invention is clearly illustrated in the accompanying drawing, forming a part of this specification, in which:

40 Figure 1 is a vertical section through a fireless cooker structure in which a number of my improved racks are shown in operative position. Fig. 2 is a perspective view of one of my improved racks with the standards erected. Fig. 3 is a perspective view of the under side of same structure with the standards collapsed. Fig. 4 is an enlarged detail section taken on a line corresponding to line 4—4 of Fig. 2. Fig. 5 is a perspective view of one of the top racks the same being a modified form in that the standards are omitted and a bail substituted therefor. Fig. 6 is an under side view of a modified construction in which the stops or supports 7 for standards are arranged to engage the cross bars instead of the rim when the standards are erected.

Fig. 7 is an enlarged detailed perspective of the structure of Fig. 6 showing the arrangement of stops and support with the standard erected. Fig. 8 is a detailed section taken in line corresponding to line eight of Fig. 7.

In the drawing the sectional views taken looking in the direction of little arrows at ends of the section lines and similar reference numerals refer to similar parts throughout the several views.

Referring to the drawing, 1 is a fireless cooker receptacle in connection with which I use my improvements in practice. The receptacle 1 is provided with a suitable cover 2. My improved rack consists of a ring-like rim 3 and cross-bars 4, the cross-bars being interwoven and being preferably formed of corrugated wire; the bars are preferably secured to the rim by looping or folding the ends thereof about the rim as clearly appears from the drawing.

The standards 5 are bail-like in form, and are secured to the rim preferably by looping about the same, a rim engaging loop 6 being provided for each of the bail arms. The ends 7 of the loops are extended to form stops or supports for the standards when they are in their erected position, see Fig. 2. In the preferred construction these stops engage the rim. In the modified structures they engage the cross-bars. The standards are collapsed by swinging them to the other side of the rack flat against the cross-bars, see Fig. 3. The supports or standards are held against longitudinal movement on the rim by means of the cross wires. This forms a very simple and strong construction which can be readily collapsed or set up. In use the racks are placed in the receptacle 1 to support the articles to be cooked and the heating plates 8. They are preferably arranged with one of the heating plates on the bottom of the receptacle, a rack placed thereon, a cooking receptacle placed upon this rack between the rack standards; a second rack placed upon the standard and a cooking receptacle or article to be cooked placed upon the second rack; a third rack is placed upon the standards of the second rack and the heating plate arranged thereon thus effectively supporting the articles to be cooked and the heating plates in proper relation.

The top rack is preferably in the form illustrated in Fig. 5 in which the rim is pro-

vided with loop-like ears 9 to receive the bail 10. This bail is not adapted to serve as a standard. When not in use the racks may be collapsed and stored very compactly.

5 They may be used in the cooker in collapsed condition as racks to keep an object from contact with one of the heating plates.

In the modified construction shown in Figs. 6, 7, 8 the stops 7 for holding the stand-
10 ard in erected position are turned inwardly to engage the adjacent cross bars instead of being turned laterally to engage the rim.

My improved racks are very simple and economical in structure, at the same time
15 are highly satisfactory for the purpose being convenient in use and strong and durable.

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

20 In a structure of the class described, the

combination of a receptacle, a plurality of racks consisting of rims corresponding to the cross-section of the receptacle, the lower of which is supplied with bail-like standards with horizontal cross portions, pivotally
25 connected thereto, stops disposed to support the said standards from folding inwardly when in their erected position and permitting the same to collapse on the underside
30 of said rack when not in use, whereby the rack structure can be collapsed into small space, as specified.

In witness whereof, I have hereunto set my hand and seal in the presence of two witnesses.

CALVIN A. LAUZON. [L. s.]

Witnesses:

PEARL M. WEIGHTMAN,
CATHERINE M. PIERCE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents
Washington, D. C."