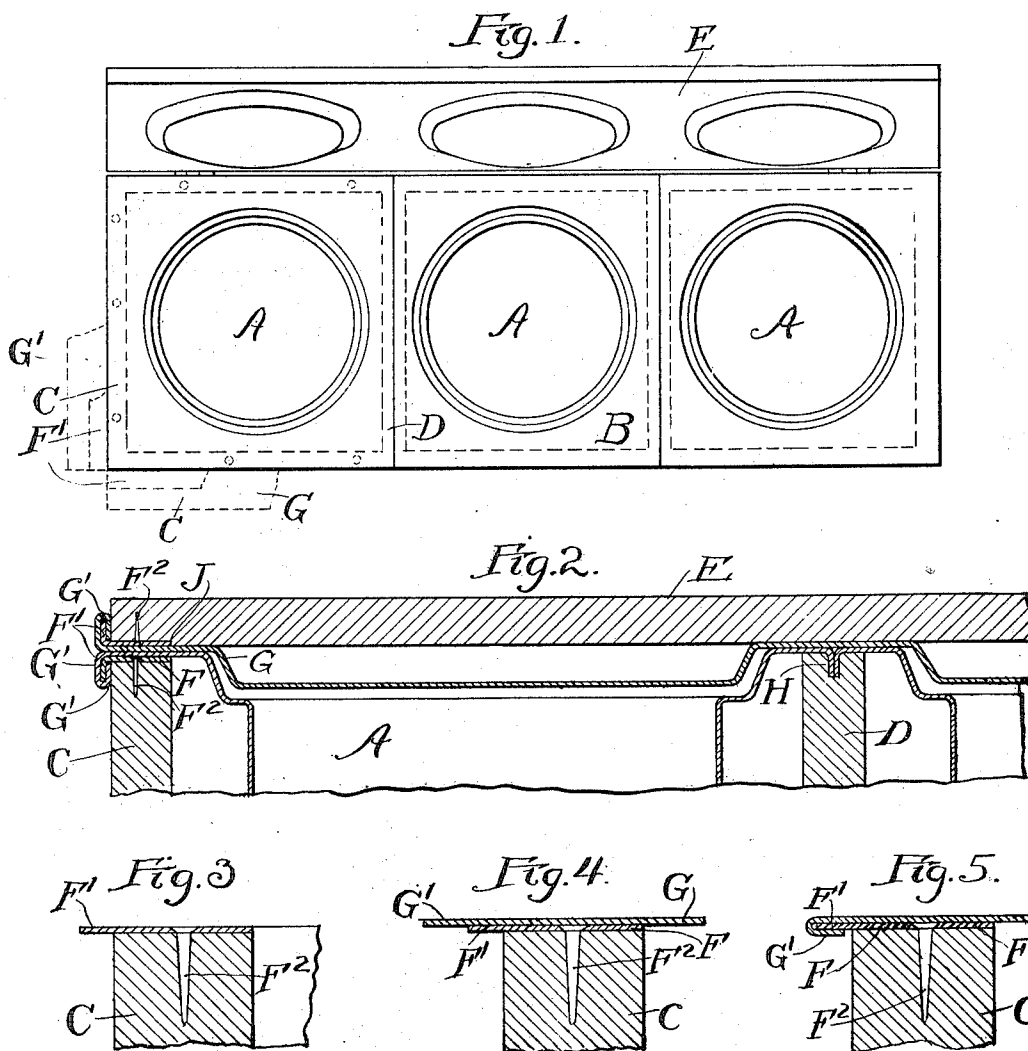


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FIRELESS COOKER LINING.
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1,032,673.

Patented July 16, 1912.



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UNITED STATES PATENT OFFICE.

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FIRELESS-COOKER LINING.

1,032,673.

Specification of Letters Patent.

Patented July 16, 1912.

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To all whom it may concern:

Be it known that I, WALTER D. HODSON, a citizen of the United States, residing at Janesville, in the county of Rock and State of Wisconsin, have invented a certain new and useful Improvement in Fireless-Cooker Linings, of which the following is a specification.

My invention relates to linings particularly adapted to fireless cookers.

It is illustrated in the accompanying drawings, wherein—

Figure 1 is a plan view of the three compartment cooker with the lid raised; Fig. 2 is a cross section through a portion of such a device in its completed condition; Figs. 3, 4 and 5 illustrate the first three steps in connection with the lining of the case.

Like parts are illustrated by the same letter in all the figures.

A A are the three compartments of the case B. This case contains the side walls C, C and the cross pieces D, D between its several compartments.

E is the lid.

F, F are strips fastened by screws or nails F² to the top of the side portions of the case, each projecting, as indicated at F¹.

G is the lining for the compartments which overlies the strip F and projects beyond the outward projection of this strip as indicated at G¹. The projecting portions G¹ and F¹ are shown in dotted lines in Fig. 1 at one corner of the device. They are notched or cut away at the corner so as to permit the further process of folding them together and down. After the lining has been laid over the strip the outer part of its projecting part G¹ is bent down underneath the projecting part F¹ of the strip as indicated in Fig. 5. The two projecting portions are then bent down together as indicated in Fig. 2. The details of the structure are not shown in Fig. 1, simply the general outlines. This method of securing the lining of the case is pursued around the entire case and if it consists of but one compartment, then around the entire compartment. If, however, the case consists of a series of compartments then this method of securing is applied only to the outer portion of the lining. At the point where the lining overlies the cross strips D it is provided with a bent down edge H which is let into a groove in the upper part of such strip D. Exactly the

same method is proceeded with in reference to the lining of the cover, though here a recess J is preferably formed about the edge of the cover and into it is let the strip F. From that point on the method of bringing the parts together is the same. By thus having the securing strip entirely covered by the lining, I am enabled to dispense with a very large number of the nails which have been commonly heretofore employed to nail down the lining around the edge of the case and the cover. I also entirely cover this strip and the nails which hold it because the opening for access thereto lies outside of the closed cooker or vessel.

I have described my device in connection with a fireless stove or heater, but of course it is equally applicable to any case or receptacle having a lid arranged in general as indicated in my drawings. I do not wish to be limited to the precise forms of construction shown, as of course a considerable variation therefrom could be made without departing from the spirit of my invention. What I consider essential I shall set forth in my claims.

The use and operation of my invention are as follows: In fireless cookers the lids or the top of the cases are usually covered or lined on their opposed surfaces with sheet metal sections held in position by nails about their edges. This involves the expense and trouble of driving a great many nails, it tends to shatter and prepare for subsequent decay of the wood portions of which such heaters are commonly made, and it leaves the nail heads exposed to the moisture and the acids incident to the use of such stoves, whereby the nails are rusted and such linings or covers are speedily deprived of their securing supports. One of the objects of my invention is to dispense, as far as possible, with the use of these nails or to dispense with as many of them as may be possible and to secure a cover for the heads of such as are used.

In the preferred form of my device a strip is let into the under side of the cover by slightly recessing about the edge thereof and nailing the strip into this position so that its outer side is flush with the general surface of the cover. In like manner a similar strip is nailed or otherwise secured on the upper edge of the sides of the case. These strips extend beyond the outer edge

of the cover on the one hand and the outer surface of the case on the other. The metal sheet which will now be put into the inside surface of the cover is somewhat larger than the cover and is extended beyond the outer edge of the strip in question. It is notched out at the corners. This sheet metal will, of course, lie flush upon the inner surface of the cover and upon the outer surface of the strip. This sheet metal is now secured in position by crimping its outer edge over the edge of the strip and the whole is then secured in position by crimping or bending the sheet metal and the strip down upon the edge of the cover. In like manner the sheet metal within the case is placed in position, its edge bent over the edge of the strip previously attached to the case, and the two projecting edges are then bent down together against the side of the case. The strips in both of these cases can be put on with a few nails, thus obviating the use of so many as would be necessary according to the old method; though this is not ordinarily necessary.

In the modification shown I have suggested means for dispensing with nails and in some cases with the strips. The sheet metal which I have here illustrated only in connection with the case proper is carried down over the side of the case as before but it is then bent so as to be received into a recess along the side of the case. It is secured in this recess by a strip nailed therein or a wedge forced thereinto as shown in the drawings.

According to my present experience I prefer the first form of device as above described.

I claim:

1. A receptacle comprising a case and cover each having a separate lining with outside edges, securing devices for such edges comprising a strip around the edge of the cover and the case and projecting beyond the same, and nailed into position, the

lining overlying such strips and nails, and the projecting edges of the linings and strips interlocked.

2. A receptacle comprising a case and cover each having a separate lining and means for securing said lining to the case and cover at its outside edges only, said means comprising strips rigidly secured to the body of the case and cover and having projecting edges parallel with the edges of the lining and lying between the lining and the body of the case or cover, said strip and said lining interlocking.

3. A receptacle comprising a case, a lining having outwardly projecting edges, a securing device for such edges comprising a strip rigidly attached about the edge of the case and projecting beyond the same, said strip lying beneath the outwardly projecting edges of the lining, said edges being bent about the edges of the strip, and the lining and strip being bent downwardly parallel with the outside of the case.

4. A receptacle comprising a case, a lining with outside edges, securing devices for such edges comprising a strip around the edge of and nailed to the case and projecting beyond the same, a part of said strip being approximately perpendicular to the walls of said case and a part of said strip being at right angles to said perpendicular part and folded within the folded edge of the lining.

5. A receptacle comprising a case having a lining, the edges of which project outwardly beyond the wall of the case, holding strips, means for rigidly attaching said strips to the case, said means being covered by the edge of the lining, said strips and said lining edges being bent one about the other and bent downwardly about the wall of the case.

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