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COOKING RANGE CONSTRUCTION

Filed Sept. 19, 1929

2 Sheets-Sheet 1

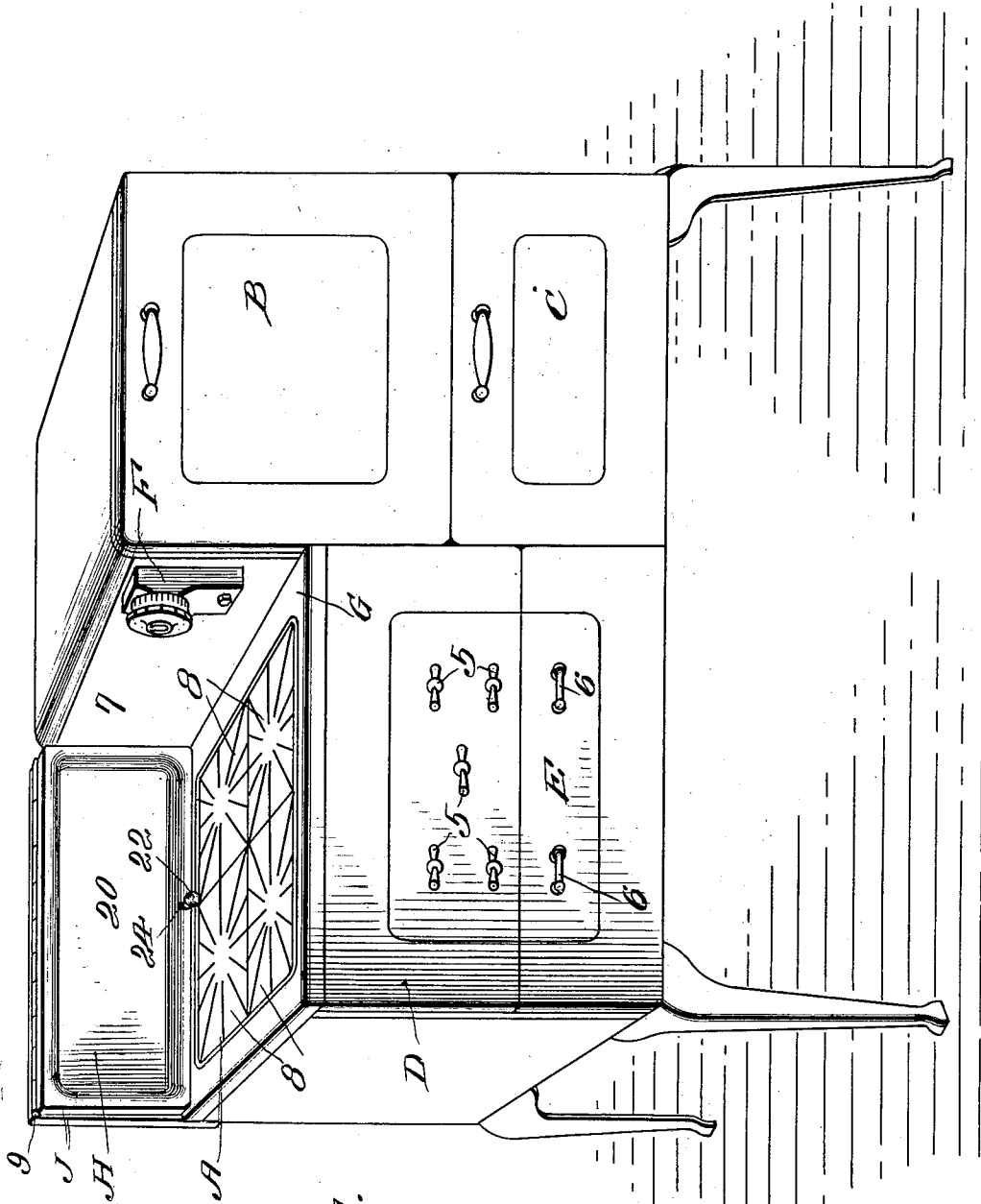


FIG. 1.

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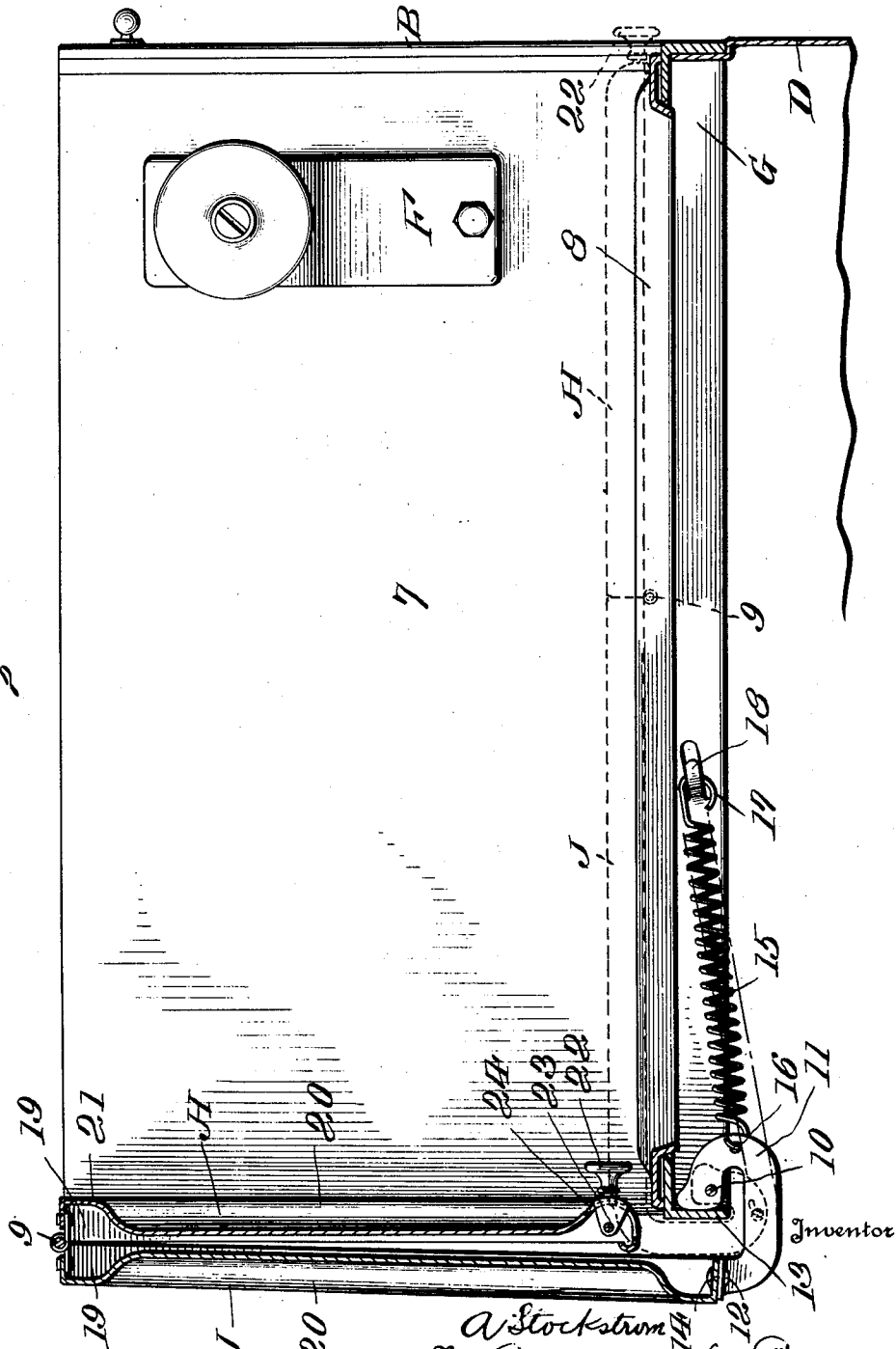
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2 Sheets-Sheet 2

FIG. 2.



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# UNITED STATES PATENT OFFICE

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## COOKING RANGE CONSTRUCTION

Application filed September 19, 1929. Serial No. 393,808.

This invention relates to improvements in cooking range constructions, the particular improved feature of construction being a hinged lid which serves as a combined cover for the cooking top of the range and a splash plate for the back end or rear edge of the cooking top.

The primary object of the invention is the provision of a cooking range having an improved appearance.

Another object of the invention is the provision of a cooking range having a hinged lid for the cooking top of the range which lid also serves as a splash plate or splash back for the cooking top portion of the range.

A still further object of the invention is the provision of a lid for the purpose described which is of an improved and novel construction; mounted upon the range in an improved and novel manner; which is highly efficient in operation and serves to improve the appearance of the range; and furthermore is of a construction which is simple and cheap of manufacture yet sufficiently sturdy to withstand the continued use to which it is subjected.

Other specific novel features of construction and improved results of the invention will appear from the following description and accompanying drawings.

In the drawings:

Figure 1 is a view in front elevation illustrating a range having the improved invention applied thereto.

Figure 2 is a vertical sectional view taken longitudinally through the range cooking top and the improved lid therefor.

The present invention is suitable for application to cooking ranges of many different and varied types as well as cooking ranges using various different heating fuels, but in the drawings of the invention is illustrated as being applied to a gas range.

By reference to the drawings it will be seen that the gas range is of the more or less conventional type inasmuch as at one end or side of the range there is provided what is commonly called an open cooking top A while at the other side or end of the

range are the cooking and broiling ovens B and C.

The range illustrated is of the so-called concealed manifold type in that the burner chamber below the cooking top A is completely enclosed at its front by a front panel D which hides the gas supply pipe, the burners and the burner valves. Control of the burner valves is had through the medium of a plurality of valve handles 5 mounted upon the outer face of the front plate D.

As is also somewhat common in respect to cooking ranges a utensil drawer E is provided in the bottom of the range below the burner chamber of the open cooking top and provided with handles 6 by which it is readily manipulated.

A great many gas ranges today are provided with an automatic thermostat heat control for the oven burner and in the present illustration the thermostatic controlling device and temperature setting wheel is illustrated at F and is mounted upon the side wall 7 of the range oven adjacent the open cooking top A.

The open cooking top itself is of a conventional type in that a plurality of grids 8 are suitably removably supported in the cooking top frame member G.

Having described a more or less conventional form of gas cooking range a specific description will now be given of the invention which is an improved attachment therefor.

The hinged cover or lid for the open cooking top of the range is made in two pieces H and J which are connected together at their one ends by a suitable hinge 9.

Pivotal support is at 10 upon the opposite rear corners of the cooking top frame G are two hinge arms or brackets 11 so shaped that their upwardly extending outer ends 12 are in spaced relation to the rear wall 13 of the cooking top frame member G a distance approximately equivalent to the thickness of the lid or cover portion H. These hinge or bracket arms 11 form a pivotal support for the cover portions H and J as the cover portion J is bolted or otherwise suitably attached to the ends 12 of these

arms as illustrated at 14. The brackets 11 have enlarged ends 11<sup>a</sup> which, when the brackets are supporting the cover portions in elevated positions, abut the inner face of the cooking top frame member G and serve as stops against the movement of the brackets in one direction and with the pivots 10 actually cause the brackets to support the cover portions in their proper elevated positions.

With the parts in the positions illustrated in full lines in the drawing it will be seen that the cover portion H is in back to back relation to the cover portion J and forms a splash back at the rear edge or end of the open cooking top and that the parts will remain in this position because of the pull exerted by the coil springs 15, which have their one ends connected as at 16 to the hinge arms 20 while their opposite ends 17 are hooked over suitable lugs 18 struck out upon the side walls of the cooking top frame member G.

For the purpose of making a more pleasing appearance each of the lid members are flanged to form end walls 19 while centrally of their area they are depressed as at 20. Surrounding this depressed area in these members is a straight or flat portion 21 and due to this flat portion taken together with the flanges 19 rigidity as well as a pleasing appearance is given to the two cover portions.

The positions assumed by the two cover portions when they are acting as a cover or lid for the open cooking top is illustrated in dotted lines in Figure 2 of the drawings. To afford an easy means of pulling the cover portions down into a position to act as a lid for the open cooking top the splash back portion H of the cover at its lower edge is provided with a handle or knob 22 which is pivotally attached as at 23 to this portion of the cover and extends outwardly through a suitable opening 24 provided centrally of the lower edge of this member. This pivotally attached handle makes it much easier to manipulate the cover parts, especially the front cover portion, while they are swung in the arc of movement which they necessarily take when being elevated.

When the cover is pulled into its lowered position to act as a lid for the open cooking top the hinge arms or brackets 11 are moved to a position past dead-center so that their straight arm portions 11<sup>b</sup> abut the outer face of the rear wall 13 of the cooking top frame member G as illustrated in dotted lines in Figure 2 of the drawings. When in this position the spring will again hold the parts in the desired set position because the pull of the spring will cause the straight arm portions 11<sup>b</sup> of the hinge arms to more firmly abut the rear wall of the cooking top frame.

When this attachment is used in respect to a cooking range without a thermostatic control the cover can be raised and lowered by

merely grasping the knob 22 and pulling outwardly upon the same, but when there is a thermostatic control housing or box F on the side of the oven adjacent the open cooking top a little more care must be taken to raise and lower the cover because then the leading edge of the cover portion H must be kept down close to the cooking top frame member so that the portion H of the cover will slide under the thermostatic housing.

By reference to Figure 2 of the drawings it will be seen that when the cover parts are in their raised or folded positions the cover portion J is in a vertical plane beyond the rear end of the cooking top frame member and that it is wider or deeper than the splash back portion H of the cover as is necessary for it to extend downwardly sufficiently far to be attached to the ends 12 of the hinge arms or brackets. The splash back or cover portion H is of a width or depth so that when the cover is in its elevated position its lower edge just clears the range open cooking top.

From the foregoing it will be seen that I have provided a very useful attachment for cooking ranges which performs a double function, namely, that of acting both as a splash back and cover for the open cooking portion of the range. When the range is not in use the cover can be lowered thus hiding the more or less non-pleasing appearing cooking top portion of the range and at the same time will provide a place for the deposit of utensils or other kitchen implements. By hiding the cooking top portion of the range a range of more pleasing appearance is provided and the appearance is enhanced in the present instance by enameling the cover top portions to match the rest of the range, which is of the enameled type.

Attention is directed to the fact that the dimensions of the lid portions H and J and their mountings are such that when they are in their elevated or vertical positions their upper edges are in the same horizontal plane with the top of the oven. This feature lends to the appearance of the range in that it does not break up the symmetrical and balanced outline of the range.

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

1. In combination with a cooking range having an open cooking top portion, a combined cover and splash back plate for said range cooking top portion comprising a pair of lid members having at one edge hinge connection with one another so that they can be folded in back to back relation, hinge arms supported upon said cooking top portion of the range, one of said lid members rigidly attached to said hinge arms, means to hold said hinge arms normally in their lowered positions to support the folded lid portions in a vertical plane at the rear edge

of the cooking top portion of the range, and means to swing said lid portions downwardly and forwardly into an unfolded position to act as a cover for the cooking top portion  
5 of the range.

2. In combination with a cooking range having an open cooking top portion the frame of which has at its edges a depending flange, a cover for said cooking top portion, brackets  
10 pivotally connected to the depending flange of the cooking top portion adjacent the rear edge thereof and beneath the cooking top portion, said brackets having rearwardly and  
15 upwardly extending portions, the cover at one edge being attached to the upwardly extending portions of the brackets, the ends of said brackets adapted to abut the depending  
20 flange at the rear edge of said cooking top portion to form a stop and support for the brackets, and means to hold said bracket  
arms normally in a position to support the cover in a vertical position at the rear edge of the cooking top portion of the range, and  
25 means to swing said cover downwardly and forwardly to act as a cover for the cooking top portion of the range.

3. In combination with a cooking range having an open cooking top portion with a depending flange, a combined cover and  
30 splash-back plate for said range cooking top portion comprising a pair of cover members having swinging connection with one another so that they can be folded in back to  
back relation, brackets pivotally supported  
35 upon the flange of the cooking top member and positioned beneath the same at its rear edge, said brackets having rearwardly and  
upwardly extending portions, said upwardly extending portions of the brackets being  
40 spaced from the rear edge of the cooking top portion of the range a distance approximately equal to the thickness of the cover portion  
which covers the front portion of the cooking top, the cover portion which covers the  
45 rear portion of the cooking top being rigidly attached to the upwardly extending portions of the brackets, means to hold said bracket  
arms normally in a position to support the folded cover portions in a vertical plane at  
50 the rear edge of the cooking top portion of the range, and means to swing said cover portions downwardly and forwardly upon  
the pivotally mounted brackets to act as a cover for the cooking top portion of the  
55 range.

In testimony whereof I hereunto affix my signature.

ARTHUR STOCKSTROM.