

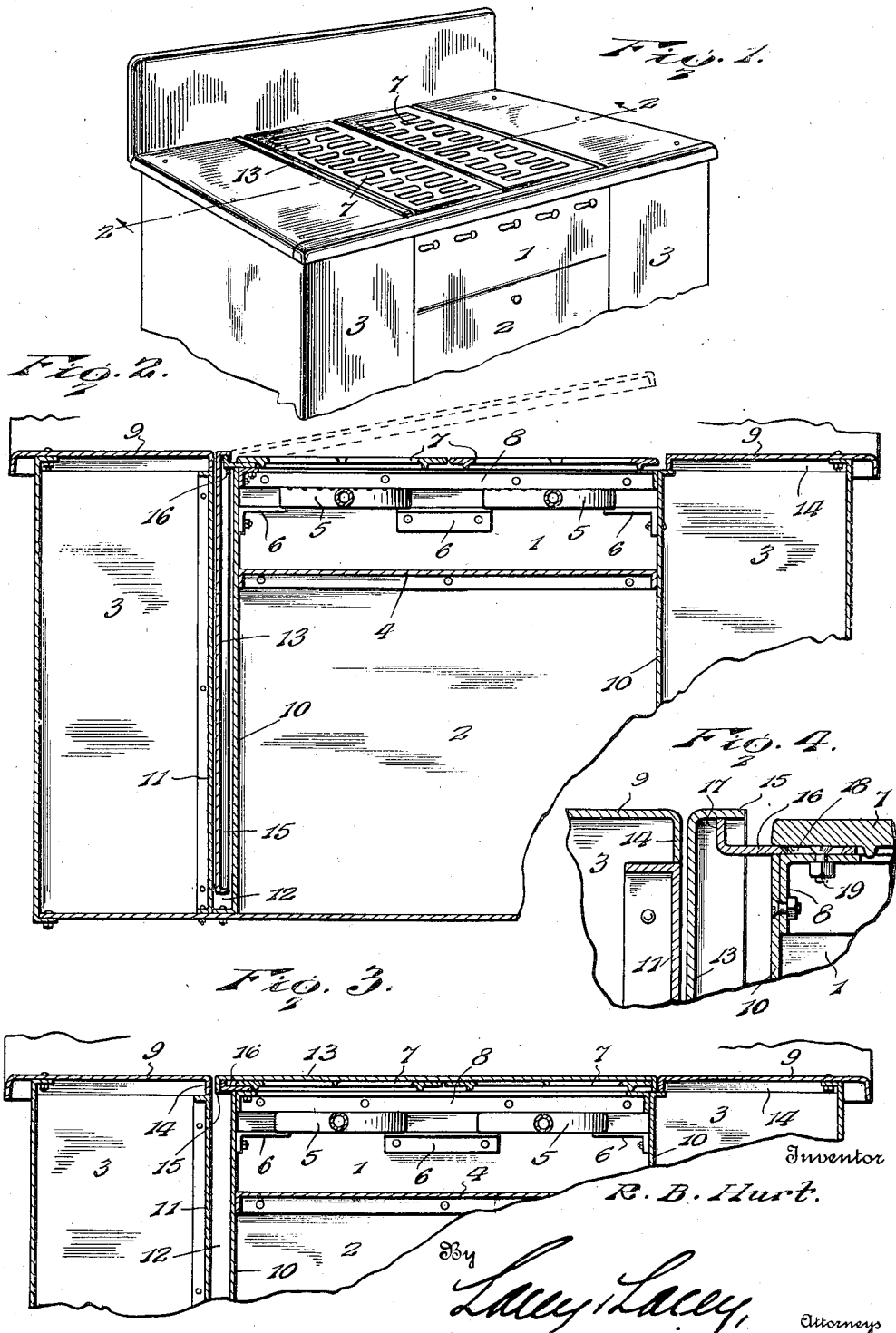
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GAS RANGE

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## UNITED STATES PATENT OFFICE

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## GAS RANGE

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The object of this invention is to provide means whereby the burner grids of a gas range may be effectually covered, when the range is not in use, so that the range will have an attractive appearance as an article of furniture and the burners and grids will be protected against accumulations of dust and other foreign matter. The invention also has for its object the provision of a cover which may be easily manipulated and will be simple and inexpensive and which may be disposed out of the way, when not in use, so as to lie within the lines of the range without adding appreciably to the bulk of the range. These objects, and other objects which will appear incidentally in the course of the following description, are attained in such an apparatus as is illustrated in the accompanying drawings and the invention resides in certain novel features which will be particularly defined in the appended claim.

In the drawings, Fig. 1 is a perspective view of the upper portion of a gas range embodying the invention and showing the range as it appears when in use.

Fig. 2 is a vertical section on the line 2—2 of Fig. 1 on a larger scale and indicating, by dotted lines, the movement of the cover from its operative to inoperative positions.

Fig. 3 is a view similar to Fig. 2 and showing the cover in position over the burner grids.

Fig. 4 is an enlarged detail section more specifically disclosing the manner of supporting the cover when the range is in use.

In the illustrated embodiment of the invention, the range comprises a burner compartment 1 below which is an oven 2 and at the sides of which are spaces 3 which may be utilized for storage purposes for holding pots and kettles or other kitchen utensils, or may be utilized as warming ovens or for other purposes. The oven 2 is, of course, separated from the burner compartment 1 by a horizontal partition 4 and the burners, indicated at 5, are supported, within the burner compartment, by brackets 6 of any approved form. The burner grids 7 may be of any approved design and are supported upon a

flange 8 which extends around the entire burner compartment, on the inner surface thereof, as shown in Figs. 2, 3, and 4, the burner grids being located in a plane slightly below the horizontal plane of the tops 9 of the side compartments 3. The burner compartment and the oven are defined and separated from the side compartments by partitions 10 in an obvious manner, and within one of the compartments is a vertical wall 11 which is spaced from the adjacent partition 10 so as to provide a cupboard 12 in which the cover 13 may be disposed when it is not in position over the burner grids. The compartment tops 9 are provided with depending flanges 14 which facilitate the securing of the parts in position and which also provide stops to limit the movement of the cover and guide it into position over the burner grids, these flanges resting upon the upper edges of the wall 11 and the partition 10 more remote from said wall, as shown clearly in Figs. 2 and 3. The cover consists of a flat plate of sheet metal having a flange 15 around its entire margin and of such form and dimensions that it will extend over the entire area of the burner grids when it is in the position shown in Fig. 3. In this operative position shown in Fig. 3, the cover may rest directly upon the burner grids and its flange 15 will extend around the same so that the grids will be entirely enclosed, the cover lying flush or approximately flush with the compartment tops 9 so that a smooth top for the range will be provided. Immediately adjacent that partition 10 which is nearer the wall 11, brackets 16 are secured at intervals upon the flange 8 and these brackets are shown as consisting of short arms having their outer ends upturned, as shown at 17, to form supports for the cover when it is not in use. These brackets are constructed with longitudinal slots 18 through which fastening bolts 19 are inserted into the flange 8 so that the brackets may be properly adjusted according to circumstances. Upon referring to Fig. 4 more particularly, it will be noted that the brackets project partly across the upper end of the cupboard 12 so that as the cover 13 is being raised the lower

portion of the flange 15 thereof will impinge against the projecting ends of the brackets and the upward vertical movement thereof will be arrested whereupon the cover is  
5 turned about the brackets as pivots or hinges, as will be understood upon reference to the dotted lines in Fig 2, so that it may be easily brought into position, shown in Fig. 3, covering the burner grids and resting upon the  
10 brackets 16 and the upper ends of the partitions 10. When the range is to be used, the edge of the cover is raised, as indicated by the dotted lines in Fig. 3, and a reverse movement imparted to the cover so that it will  
15 slide down within the cupboard 12 where it will be out of the way and yet will be retained within easy access of the user when it is again to be brought over the burner grids.

20 From the foregoing description, taken in connection with the accompanying drawings, it will be seen that I have provided an exceedingly simple structure whereby the desired flat top range may be attained and the  
25 burner grids protected when not in use while, when the range is in use, the cover will be supported out of the way without appreciably increasing the bulk of the range.

Having thus described the invention, I  
30 claim,

A cooking range having burner grids and having an open top vertically extending cupboard immediately adjacent its burner grids, brackets mounted in the cupboard at  
35 the open top thereof and extending partly across the same, and a cover receivable freely in the cupboard and provided with a marginal flange adapted to rest on said brackets and support the cover in the cupboard flush with  
40 the burner grids and to engage said brackets when withdrawn from the cupboard whereby the cover may be swung about the brackets to extend over and rest upon the burner grids.

In testimony whereof I affix my signature.  
45 ROBERT BAILEY HURT.

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