

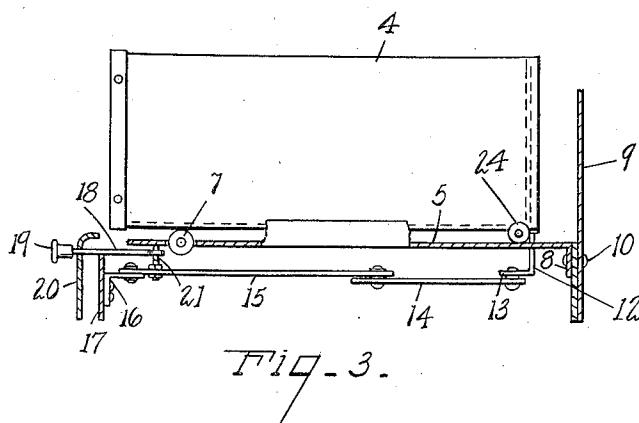
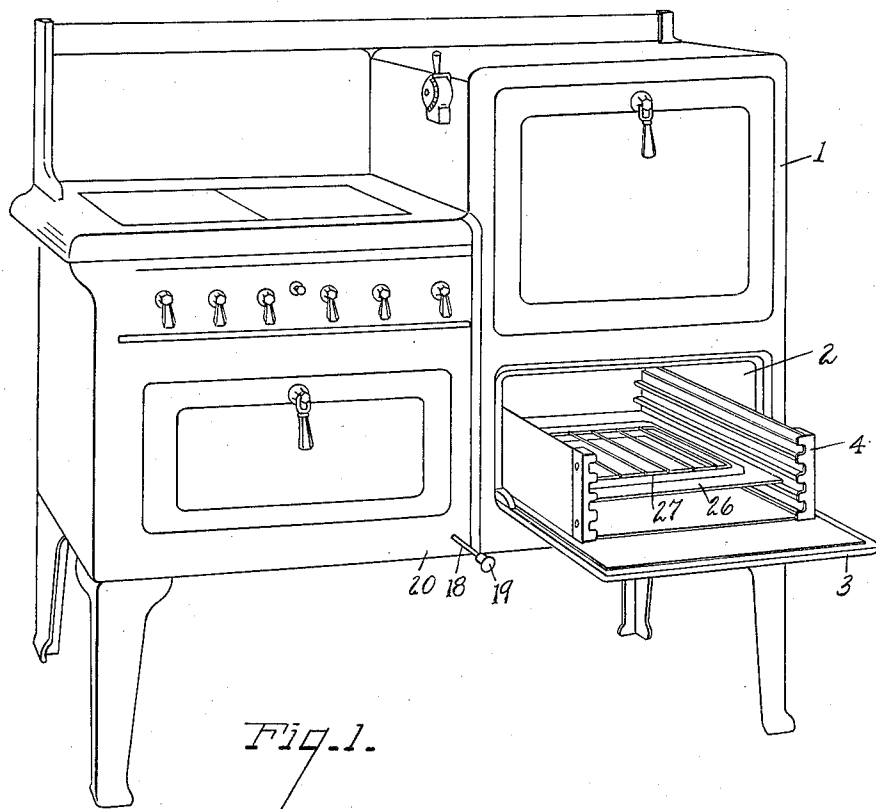
June 5, 1934.

E. S. BURCH ET AL
COOKING STOVE OR RANGE

1,961,332

Filed May 11, 1932

2 Sheets-Sheet 1



INVENTOR
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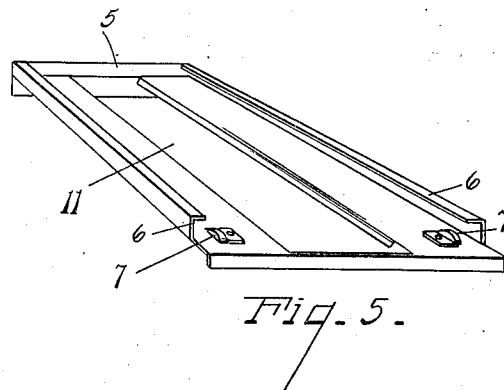
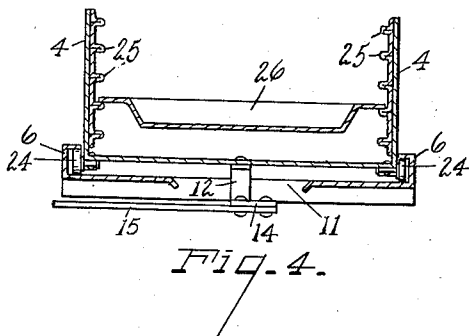
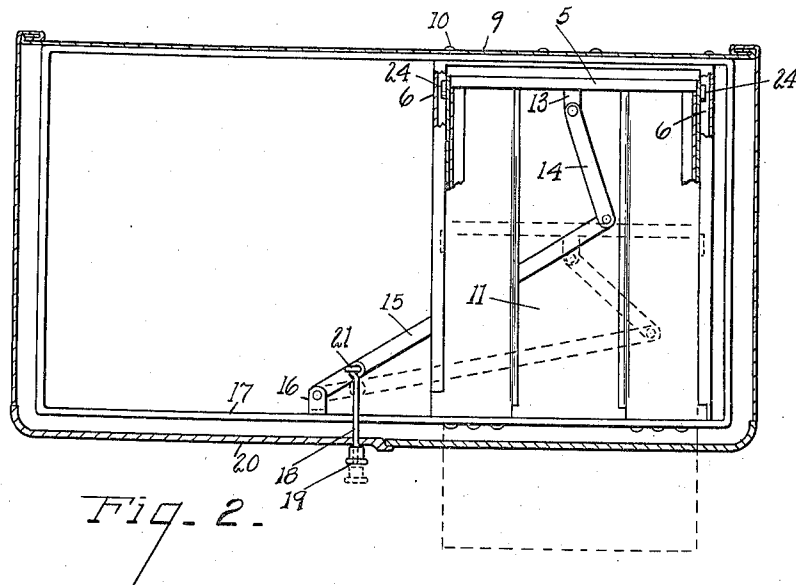
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UNITED STATES PATENT OFFICE

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COOKING STOVE OR RANGE

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Application May 11, 1932, Serial No. 610,527

1 Claim. (Cl. 126—41)

The main objects of the invention are:

First, to provide in a cooking stove or range an adjustable drawer or support for racks, grids or pans which may be projected from the oven or broiler compartment for ready access or inspection of contents.

Second, to provide a device of this character with manual control means remote from or so positioned relative to the compartment opening that it may be manipulated without objectionable exposure to the heat.

Third, to provide a structure having these advantages which is compact and may be readily embodied in stoves or ranges of types now in very extensive use.

Objects relating to details and economies of our invention will appear from the description to follow. The invention is defined in the claim.

A structure embodying the features of our invention is illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of a cooking stove or range embodying the features of our invention, the range being shown with the broiler compartment door in its open position and with the broiler drawer partly withdrawn as for inspection.

Fig. 2 is a view mainly in horizontal section illustrating the means connecting the control handle to the broiler door.

Fig. 3 is a fragmentary detail view partially in side elevation and partially in vertical section of the drawer supporting and position controlling mechanism.

Fig. 4 is a view mainly in transverse vertical section of the drawer and its supporting and position controlling mechanism.

Fig. 5 is a perspective view of the drawer support.

In the accompanying drawings we have illustrated our improvements as embodied in broilers. It should be stated, however, that they are advantageous and readily embodied in other relations, ovens for example.

Referring to the drawings, 1 indicates a stove or range having a broiler compartment 2 provided with a door 3 hinged to swing outwardly to a horizontal position. We provide a drawer rack or grid support 4 reciprocatingly mounted within the compartment so that it may be completely retracted therein or partially projecting therefrom when the door is opened. This drawer is mounted on a drawer slide designated generally by the numeral 5 which is mounted in the bottom of the compartment 2 and provided with spaced channel ways 6. Drawer supporting rollers 7 are mounted at the front of the slide. These rollers are set in openings provided therefor in the slide to project into supporting engagement with the bottom of the drawer.

The slide is preferably formed of a stamping, its

longitudinal edges being turned upwardly to form the channel ways and its rear ends being downturned to provide an attaching flange 8 secured to the rear wall 9 of the compartment by means of the bolts or rivets 10. The slide has a central longitudinal opening 11 through which the depending arm 12 at the rear of the drawer depends. This arm in the embodiment illustrated is angled and has a forwardly extending part 13 to which the link 14 is pivoted. The other end of the link is pivoted to the lever 15 mounted on a bracket 16 on the main frame 17 of the structure.

A control rod 18 having a finger piece 19 at its outer end extends through the front wall 20 of the stove or range at one side of the door so that it is freely accessible with the door in open position and the drawer extended as illustrated in Fig. 1. The control rod is preferably connected to the lever by means of the I bolt 21.

The drawer is provided at its rear end with rollers 24 which coast with the channel ways, thus supporting the drawer against tilting movement on the rollers 7 when the drawer is in its outer position. By thus mounting the drawer it slides very freely. The sides of the drawer are provided with a plurality of vertically spaced pan or rack ledges 25, the pan 26 illustrated being adapted to receive a grid 27.

With this arrangement of parts the drawer may be easily manipulated either through the control rod, which is preferred, or manipulated by pushing or pulling directly thereon. The remote control operating connections are such as not to interfere with this manipulation.

The structure is compact and may be readily adapted for installation in cooking stoves and ranges of the type or types now very extensively used.

Having thus described our invention what we claim as new and desire to secure by Letters Patent is:

A cooking stove or range having in combination a broiler compartment provided with a burner in the top thereof, a pan or grid supporting drawer disposed in said compartment for sliding manipulation through the door opening thereof, an arm depending from the rear edge of said drawer, a lever pivoted to the front wall of the stove or range at a point below and laterally spaced from said drawer, a link connecting the free end of said lever to said arm, and a push-pull rod extending through the front wall of the range or stove and connected to said lever for manipulating said drawer, said arm, lever, link and rod being disposed so as to be removed from the heat of said burner, whereby the handle of said rod remains cool at all times.

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