April 10, 1934. R. B. HURT 1,954,384

RANGE

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Fig. 1.

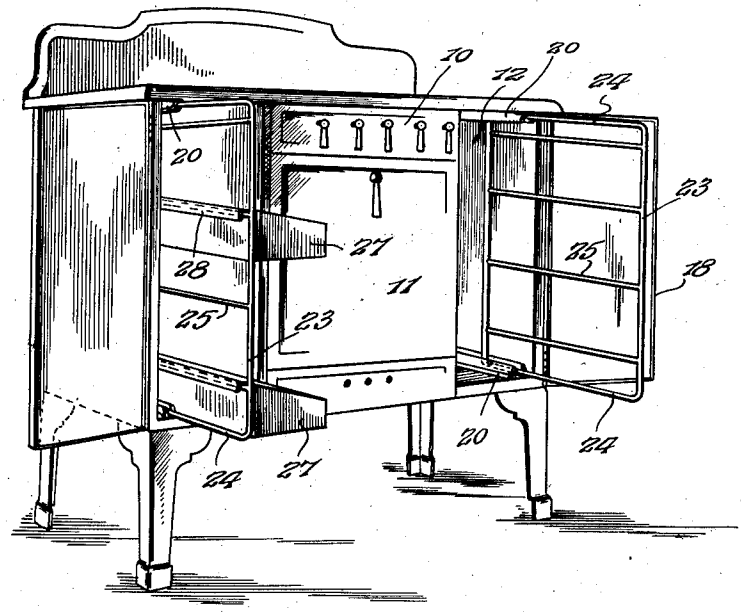


Fig. 2.

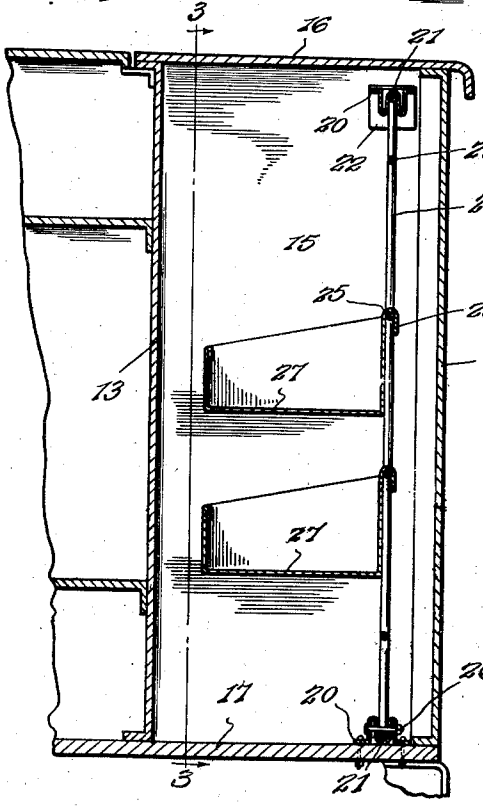


Fig. 5.



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Fig. 3.

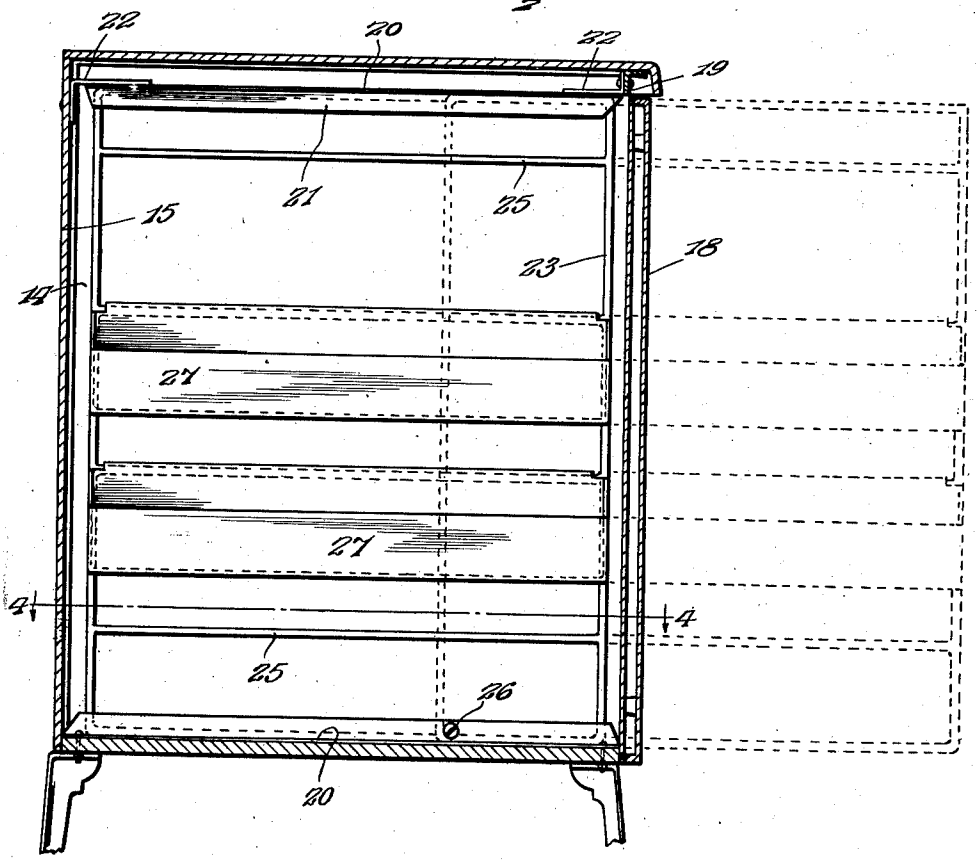
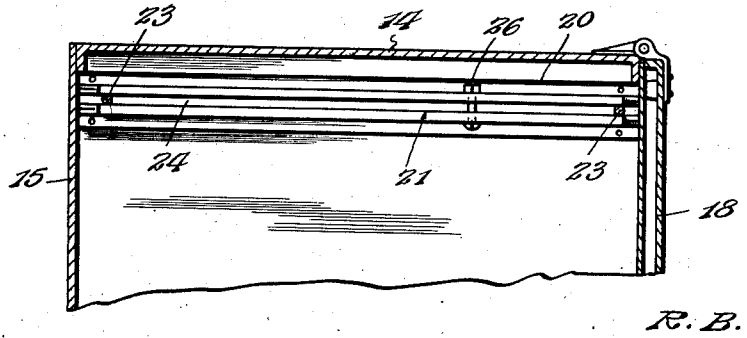


Fig. 4.



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Patented Apr. 10, 1934

1,954,384

UNITED STATES PATENT OFFICE

1,954,384

RANGE

Robert B. Hurt, Cleveland, Tenn., assignor, by mesne assignments, to Hardwick Stove Company, Cleveland, Tenn., a corporation of Delaware

Application January 13, 1932, Serial No. 586,415

1 Claim. (Cl. 312—176)

This invention relates to improvements in ranges and while being adapted for more or less general application is nevertheless particularly designed to be incorporated in a range of the character shown in my copending application for Gas range, filed December 8th, 1931 Serial No. 579,799.

The invention seeks, among other objects, to provide a range embodying one or more storage compartments or cupboards and wherein a novel rack will be provided within each of said compartments or cupboards for the convenient storage of culinary articles.

A further object of the invention is to provide an arrangement wherein the racks may be partially withdrawn from the storage compartments or cupboards so as to facilitate the storage of the culinary articles or the removal of said articles from the racks.

Another object of the invention is to provide a construction wherein the racks will be held against accidental displacement but wherein said racks may be removed when desired.

And the invention seeks, as a still further object, to provide a device wherein the racks will embody a plurality of conveniently removable trays.

Other and incidental objects not specifically mentioned in the foregoing, will be apparent during the course of the following description.

Fig. 1 is a perspective view showing the present improvements embodied in a gas range as disclosed in my prior application previously identified,

Fig. 2 is a fragmentary vertical sectional view particularly showing the mounting of the racks,

Fig. 3 is a section on the line 3—3 of Fig. 2 looking in the direction indicated by the arrows,

Fig. 4 is a section on the line 4—4 of Fig. 3, looking downwardly,

Fig. 5 is a fragmentary section showing the use of a hook in connection with the rack frame.

Referring now more particularly to the drawings I have shown a range embodying a burner compartment 10 below which is an oven 11 and arranged at opposite sides of the oven and said compartment are storage compartments or cupboards 12 extending from top to bottom of the range. Each of the compartments 12 is provided with inner and outer side walls 13 and 14 respectively, a back wall 15, top wall 16, bottom wall 17 and a door 18 for closing the compartment, the door being hinged to the outer side wall 14. Abutting the top wall 16, as seen in Fig. 3, is a front strip 19 extending across each of the compartments 12 at the top thereof.

Mounted at the top and bottom of each compartment 12 is a pair of guide members 20 bent from sheet metal to form channels 21. As best shown in Fig. 3, the lower member is riveted or otherwise fixed to the bottom wall 17 of the compartment while the upper member carries oppositely presented angle plates 22 at its ends, one of which plates is appropriately secured to the back wall 15 of the compartment while the other of said plates is similarly secured to the adjacent front strip 19.

Freely slidable in each pair of guide members 20 is a rectangular rack frame comprising side bars 23 and top and bottom bars 24, and extending between the side bars is a plurality of vertically spaced parallel cross bars 25. The top and bottom bars 24 are slidably received in the channels 21 of the guide members, and extending transversely through the lower guide member near its forward end and above the bottom bar of the rack is, as seen in Figs. 2, 3 and 4, a bolt 26 limiting the frame against outward displacement. By removing the bolt, however, the frame, may when so desired, be readily withdrawn.

In conjunction with each of the rack frames, I employ a plurality of oblong trays 27 which are preferably of sheet metal and rectangular in cross section. As shown in Fig. 2, the back walls of these trays are somewhat wider than the front walls thereof so that the end walls of said trays are provided with forwardly sloping edges, and formed on said back walls at their upper ends are integral rearwardly bent hooks 28 extending approximately from end to end of the trays. The hooks 28 are freely engageable over the cross bars 25 so that said trays may be readily arranged in position or removed and attention is now directed to the fact that the trays are of a length substantially equal to the width of the rack frames respectively so that the trays will thus normally hang from the cross bars 25 to rest near their ends against the side bars 23 of the frames and thus be rigidly supported by said frames.

As will now be seen, by opening the doors 18 of the storage compartments 12 of the range, the rack frames may, as shown in Fig. 1, be pulled out to an extended position projecting from said compartments when the trays 27 will be readily accessible so that kitchen knives, forks and other culinary articles may be readily deposited therein. The frames may then be pushed back into the compartments to normal position when, as

shown in Fig. 3, the doors 18 may be closed so that the range will present a neat and attractive appearance.

Either one or both of the rack frames may carry one or more of the trays 27 but in order to accommodate pots, skillets and the like I provide a plurality of double ended hooks 29. Corresponding ends of these hooks may, as shown in Fig. 5, be engaged over the cross bars 25 of the frames when the handles of skillets, pots or the like, as conventionally typified at 30, may be engaged with the opposite or lower ends of said hooks to be supported thereby on the frames. Thus these culinary articles may be stored out of sight within the range.

Having thus described the invention, I claim,

A device of the character described including a storage compartment, horizontal guide members mounted therein, a vertically disposed rack frame slidably supported by said members and provided with vertical side bars and a cross bar extending horizontally therebetween, and an article receiving tray having a back wall extended to form a hook engaged over said cross bar for removably supporting the tray on the frame, said tray being of a length to engage said side bars for limiting the tray against swinging movement.

ROBERT B. HURT. [L. S.]