Dec. 22, 1931. P. I. HOLLMAN ET AL 1,837,820

BURNER BOX DRAWER

Filed April 9, 1928

Fig. 1.

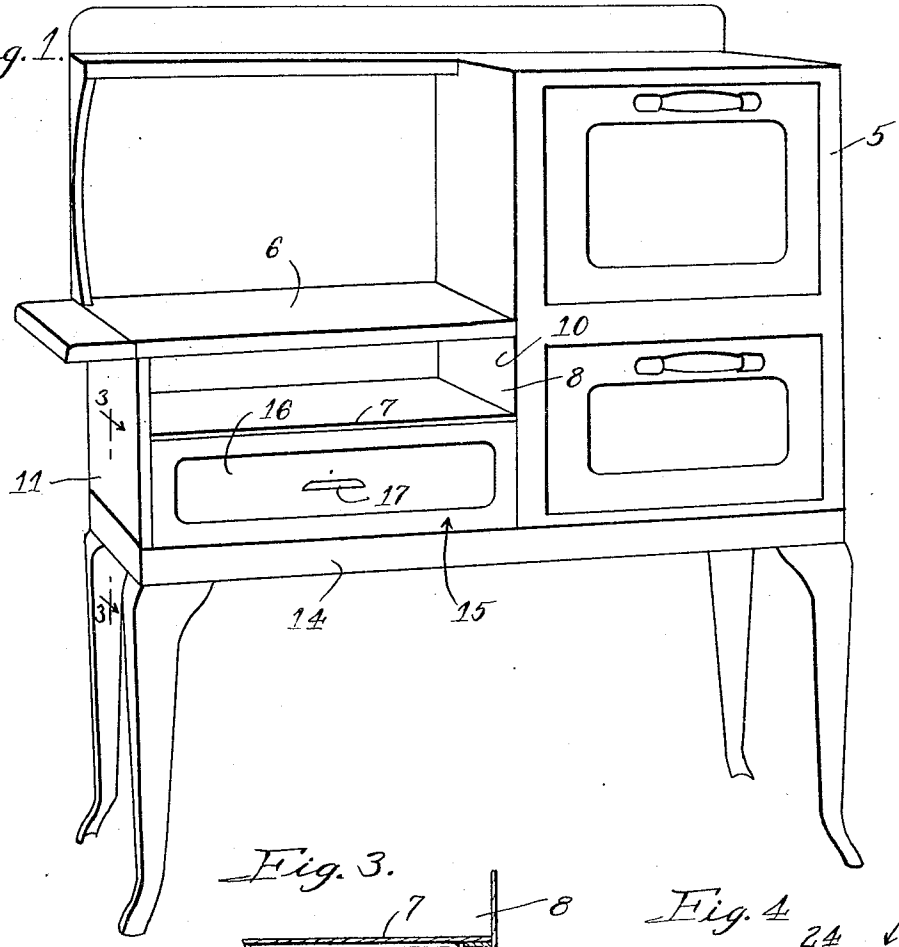


Fig. 3.

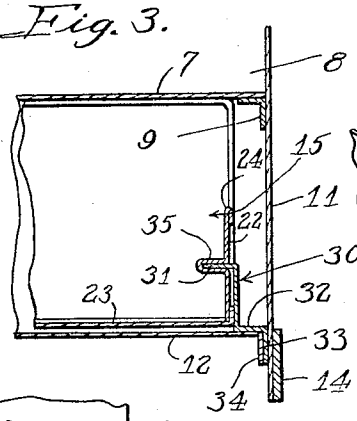


Fig. 4

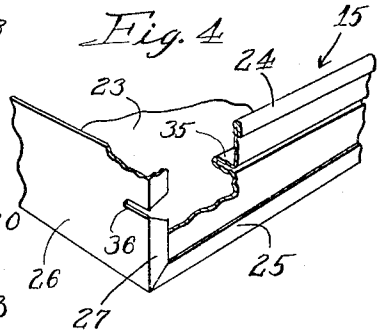
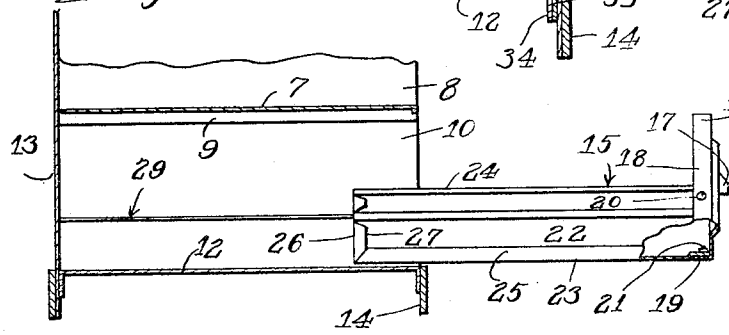


Fig. 2.



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UNITED STATES PATENT OFFICE

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BURNER BOX DRAWER

Application filed April 9, 1928. Serial No. 268,445.

This invention relates to a drawer for the burner box compartment of gas and electric stoves and ranges, known as a utility drawer for the reason that it serves as storage space for micellaneous articles used about the kitchen.

The principal object of the invention is to provide a drawer of a simple and economical construction as well as neat appearance, having guides mounted in the sides of the burner box compartment which, in turn, are of a very simple and economical construction and are, furthermore, arranged to cooperate with slides formed on the sides of the drawer in such a way that the drawer operates smoothly and noiselessly and with minimum effort, and is very rigidly supported even when pulled out almost all the way.

The invention is illustrated in the accompanying drawings, wherein—

Figure 1 is a front view of a stove equipped with a drawer in the burner box compartment in accordance with our invention;

Fig. 2 is a vertical section through the burner box compartment showing the drawer pulled out;

Fig. 3 is an enlarged vertical sectional detail taken on the line 3—3 of Fig. 1 looking in the direction of the arrows; and

Fig. 4 is a perspective view of the left hand rear corner of the drawer partly broken away to show the slide portion formed on the side thereof.

The same reference numerals are applied to corresponding parts throughout the views.

The stove illustrated is of the ordinary cabinet type having a double oven section 5 and a burner top section 6 at one side thereof. The usual burner tray 7 is provided beneath the top section in the burner box compartment 8. The manifold pipe and the burners for the top section 6 are not shown. The tray 7 is slidably supported on strips 9 provided on the oven side wall 10 and the end wall 11 which form the sides of the burner box compartment, there being a bottom 12 and back wall 13 suitably joined to the base band 14. A drawer 15, in accordance with our intervention, is slidably mounted in the burner box compartment beneath the tray 7, known as a utility drawer for the reason that it provides a handy place for the storage of miscellaneous articles of kitchenware. The details of construction both of the drawer itself and its guides will now be described. The drawer 15 has the front thereof provided in the form of a one-piece sheet metal panel 16, arranged to be suitably enameled to match the rest of the stove, and provided with a handle 17. The side and bottom flanges 18 and 19, respectively, are arranged to be bolted, or otherwise suitably secured as at 20 and 21, respectively, to the sides 22 and bottom 23 of the drawer. The sides 22, for economy in construction, are suitably only about half as high as the front 16 and are formed of separate pieces of sheet metal with the upper edges bent upon themselves, as indicated at 24, so as to present rounded instead of sharp edges for obvious reasons, and to make the sides stiff enough so they won't buckle. The bottom 23 has the side edges thereof turned up to provide flanges 25 arranged to be spot-welded to the sides 22. The back 26 is suitably formed in one piece with the bottom 23 and likewise has the side edges bent to provide flanges 27 for spot-welding the back to the sides 22. The construction is obviously extremely simple and economical and is, moreover, tolerably sturdy, considering the use to which the drawer is arranged to be put.

The drawer 15 is arranged to operate on guides indicated generally at 29 and 30 provided at opposite sides of the burner box compartment. Since the guides are of substantially identical form the description of one will suffice for both. Referring, therefore, to Fig. 3 showing the left hand guide 30 provided alongside the end wall 11 in the burner box compartment, it will be observed that the guide is formed from a single piece of sheet metal providing an inturned guide flange 31 for slidably receiving the drawer in a manner presently to be described, an outturned flange or offset 32 resting on the bottom 12 of the burner box compartment so as to hold the guide in proper position to support the drawer off the bottom for easy opera-

tion thereof and keep the guide flange 31 properly spaced from the end wall 11, and a downturned flange 33 on the edge of the flange 32 entered between the end wall 11 and the downturned side flange 34 of the bottom 12 to permit bolting, or otherwise suitably securing, the guide with the end wall 11 and bottom 12 to the base band 14. The guide flange 31 is received in a slide 35 provided on the side of the drawer in the form of an inwardly directed longitudinally extending rib. The back 26 of the drawer is notched, as appears at 36 (see Fig. 4), to allow passage of the flange 31 therethrough. It has been found that the guides 29 and 30 constructed in the manner described and cooperating with slides 35 formed in the sides of the drawer provide firm support for the drawer even when the same is pulled out almost all the way and that the drawer operates smoothly and noiselessly and with very little effort.

It is believed the foregoing description conveys a clear understanding of our invention and while reference has been made to certain specific details of construction it should be evident that these are susceptible of modification without seriously departing from the spirit of the invention. For that reason the appended claims should be construed as broadly as possible, consistent with the state of the prior art.

We claim:

1. In a stove construction, the combination in the burner box compartment beneath the cooking top, of a drawer slidable into and out of said compartment, and a pair of guides in said compartment at opposite sides thereof for slidably supporting the drawer, each of said guides being made of a single piece of sheet metal vertically disposed alongside the drawer having an inturned flange formed at the upper edge thereof for supporting the drawer, said drawer being provided with a slide to rest on said flange so as to operate back and forth thereon and be supported thereby, and each of said guides being further formed at the lower edge thereof with an outturned flange resting on the bottom of said compartment so as to hold the drawer at a predetermined elevation with respect to the bottom, the said flange extending to the adjacent side wall so as further to serve to hold the guide in proper spaced relation to said side wall.

2. In a stove construction as set forth in claim 1 wherein the bottom wall of said compartment has a downturned flange at the side for securing the same to the side wall, a downturned flange provided on the edge of the outturned flange of said guide arranged to be received between the side wall and the downturned flange of the bottom wall whereby the guide is adapted to be secured jointly with the bottom and side walls.

3. A stove construction as set forth in claim 1 wherein the sides of said drawer are made of sheet metal crimped longitudinally intermediate its upper and lower edges to provide a longitudinally extending rib arranged to receive the inturned flange of the guide whereby the same is adapted to serve as a slide for the drawer.

4. A stove construction as set forth in claim 1 wherein the sides of said drawer are made of sheet metal crimped longitudinally intermediate its upper and lower edges to provide a longitudinally extending rib arranged to receive the inturned flange of the guide whereby the same is adapted to serve as a slide for the drawer, the back wall of said drawer being notched in register with the aforesaid slide to permit the extension therethrough of the guide flange.

5. In a stove construction, the combination in the burner box compartment beneath the cooking top, of a drawer slidable into and out of said compartment, and a pair of guides in said compartment at opposite sides thereof for slidably supporting the drawer, each of said guides being formed from a single piece of sheet metal vertically disposed alongside the drawer having an inturned flange formed at the upper edge thereof for supporting the drawer, said drawer being provided with a slide to rest on said flange so as to operate back and forth thereon and be supported thereby, and each of said guides having the lower edge thereof reaching down between the side wall of the burner box compartment and a down-turned flange formed on the bottom wall of said compartment whereby the guide is adapted to be secured jointly with the bottom and side walls.

6. In a stove construction, the combination in the burner box compartment beneath the cooking top, of a drawer slidable into and out of said compartment, and a pair of guides in said compartment at opposite sides thereof for slidably supporting the drawer, each of said guides being formed from a single piece of sheet metal vertically disposed alongside the drawer having an inturned flange formed on one longitudinal edge thereof for supporting the drawer, said drawer being provided with a slide to rest on said flange so as to operate back and forth thereon and be supported thereby, and each of said guides having the vertical portion thereof abutting the side wall of said compartment so as to hold the drawer in a predetermined spaced relation to said side walls and said guides being fastened in such position with the inturned flanges disposed at the proper elevation supporting the drawer in a predetermined spaced relation to the bottom wall of said compartment.

7. A stove construction as set forth in claim 6 wherein the sides of said drawer are made of sheet metal crimped longitudinally intermediate its upper and lower edges to provide

a longitudinally extending rib arranged to receive the inturned flange of the guide whereby the same i sadapted to serve as a slide for the drawer.

8. A stove construction as set forth in claim 6 wherein the sides of said drawer are made of sheet metal crimped longitudinally intermediate its upper and lower edges to provide a longitudinally extending rib arranged to receive the inturned flange of the guide whereby the same is adapted to serve as a slide for the drawer, the back wall of said drawer being notched in register with the aforesaid slide to permit the extension therethrough of the guide flange.

In witness whereof we have hereunto affixed our signatures.

PETER I. HOLLMAN.
HJALMER E. THELEN.