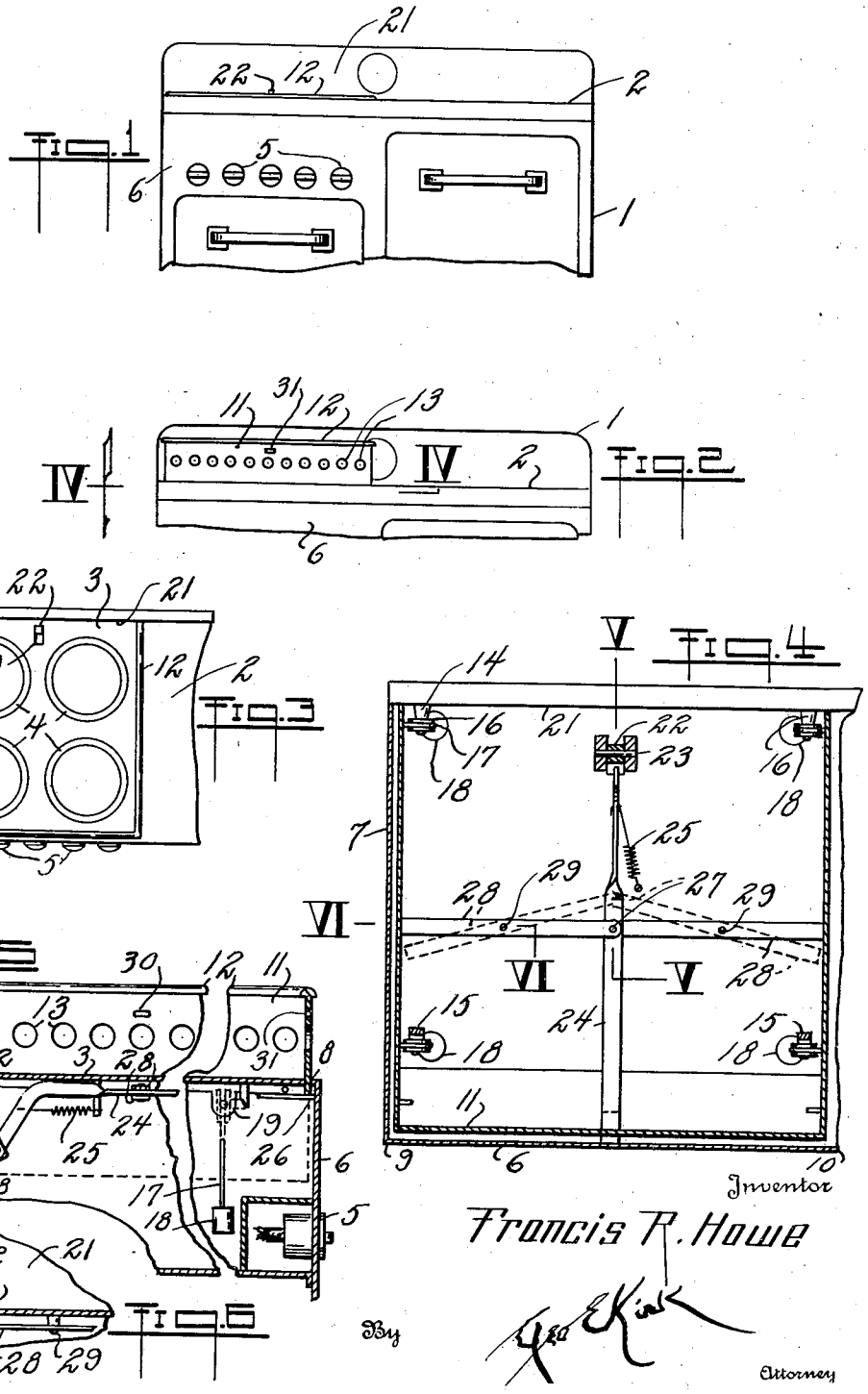
Dec. 19, 1939. F. R. HOWE 2,183,935

SUPPLEMENTAL PANEL STOVE TOP

Filed May 5, 1938



Patented Dec. 19, 1939

2,183,935

UNITED STATES PATENT OFFICE

2,183,935

SUPPLEMENTAL PANEL STOVE TOP

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Application May 5, 1938, Serial No. 206,148

1 Claim. (Cl. 126—39)

This invention relates to cooking type of stove tops with panel boundary therefor.

This invention has utility when incorporated in a boundary panel or fence adapted to clear cooking vessel placing and removal for thereabove or for thereabout.

Referring to the drawing:

Fig. 1 is a fragmentary view, in front elevation, of a portion of a cooking stove having the supplemental panel of this invention incorporated therewith and in approximately flush position;

Fig. 2 is a view similar to Fig. 1, but with the supplemental panel in boundary-providing or lifted position as to the cooking portion of the stove top;

Fig. 3 is a plan vew of this supplemental panel as a boundary for a stove;

Fig. 4 is a view in section of the depending portion of the stove top and this supplemental panel in the region just below the stove top deck on the line IV—IV, Fig. 2;

Fig. 5 is a fragmentary view of control means for positioning the supplemental panel on the line V—V, Fig. 4; and

Fig. 6 is a detail view of the latch or holder feature of the panel on the line VI—VI, Fig. 4.

Cooking stove 1 has table top portion 2, and adjoining such top portion 2, cooking top portion 3 having active cooking places 4 as heaters or burners. This stove has burner control means as switches 5 from front wall 6 with rearward wall 7 therefrom. Adjacent these walls and in this cooking stove top 3, is more or less continuous recess, slot or way 8 past corners 9, 10, forming a way in which is located panel leg 11 extending about the corners and as continuous. This panel 11 has finish top or trim portion 12 and may have openings 13 therein for ventilation or light means, as the occasion may be appropriate. In the construction hereunder, this panel may be of plated metal or as a contributing factor such may be of some plastic which will stand cooking temperature, but sightly in appearance and a poor conductor of heat, so that in this projected upward position it may serve as a light weight fender, against the cook or chef becoming burned or undesirably having contact with the cooking vessel or sputtering therefrom. Furthermore, in this control position, younger persons about the kitchen or cooking department may not casually have access to the vessels or the burner regions as active and thus avoid occasion of injury therefrom.

In the controls hereunder for this panel in elevated position, brackets 14, 15, locate pulleys 16, about which may pass flexible connection 17 from counter-weights 18. These flexible connections 17 extend to depending ears 19 fixed with the panel 11. There is, accordingly, normal action of these weights 18 to cause the panel 11 to be elevated into lateral bounding position for the cooking vessels or the stove top cooking portion.

In the control hereof this stove top 3 is shown having opening 20 near rear portion 21 of this stove 1 and thereby not normally in the way for casual attention by the cook nor to be readily accessible to youth. From this opening 4 protrudes control handle 22 having fulcrum 23 fixed with the stove top 3 under side. This handle 22 is a lever having its lower portion connected to slide latch 24 normally held by tension spring 25 to have its terminus 26 thrust toward the stove wall 6 and thus, at elevated position for the panel 11, is under such panel 11 as a latch. Simultaneously with this holding action, there is supplemental holding action for other portions of this panel due to the fact that this plunger 24 has pivot pin 27 connected to oppositely extending levers 28 having fulcra 29 with the under side of the stove top 3. This thrust of the plunger 24 into latch holding position at the panel 11 front side swings the free ends of these levers 28 into latch holding position under the panel sides as extending away from this front of the stove. Accordingly, should the cook place a weight or press down on the trim 12, this panel is positioned against such pulling down and is also likewise effective against a child's efforts along such lines. The child is accordingly shielded from dangerous hazard.

There may be removal of this panel to disappearing position by pulling of this latch or handle 23 forward, thus withdrawing the levers 28 and plunger 24 from latch holding position. Depression of this trim 12 of the panel 11 to overcome the several counter-weights 18 will effect disappearing of this panel 11 in the stove top, and as this disappearing action is completed down to flush position or abutting position for this trim 12 as to the top 3, the free ends of the levers 28 enter openings 30 in the portions of the panel 11 as extending away from the front, while the plunger 24 enters opening 31 in the front portion of the panel. There is accordingly a holding or locking of this panel in the disappearing or depressed condition for lateral clearway about the cooking vessels as well as the stove top.

For bringing into re-use position, it is only necessary to pull the handle 23 when the counter-

weights 18 at once elevate the panel 11 into effective bounding position above clearway about the vessels or burners. At once this is elevated, the spring 25 has acted to throw the holding means so that the free ends 28 ride under the sides of the panel 11 and the plunger 24 has its terminus 26 projected under the forward portion of the panel 11, automatically locking such in the elevated position. In depressed or disappearing position, the panel is peripherally housed or concealed by the stove.

For the panel as hereunder, the term is used to apply to a barrier adaptable to be placed on the stove. The placing is by locating in a shielding or protecting position at a region or regions more or less surrounding and laterally of the cooking area or working space, especially of the hot surface of the stove. The extent of the shielding may be according to the height preferred and whether or not open work be of helpful purpose as may be sufficient for the particular occasion or adaptation for use.

What is claimed and it is desired to secure by Letters Patent is:

In a range, a cooking top provided with a cooking area, said top provided with an upwardly open slot surrounding said cooking area, a panel mounted for vertical movement in said slot, said panel in its elevated position forming a fence around said cooking area and in its lowered position concealed below said cooking top, and means for latching said panel in either position.

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