Dec. 29, 1931. A. STOCKSTROM ET AL 1,839,128

GAS RANGE

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Fig. 1.

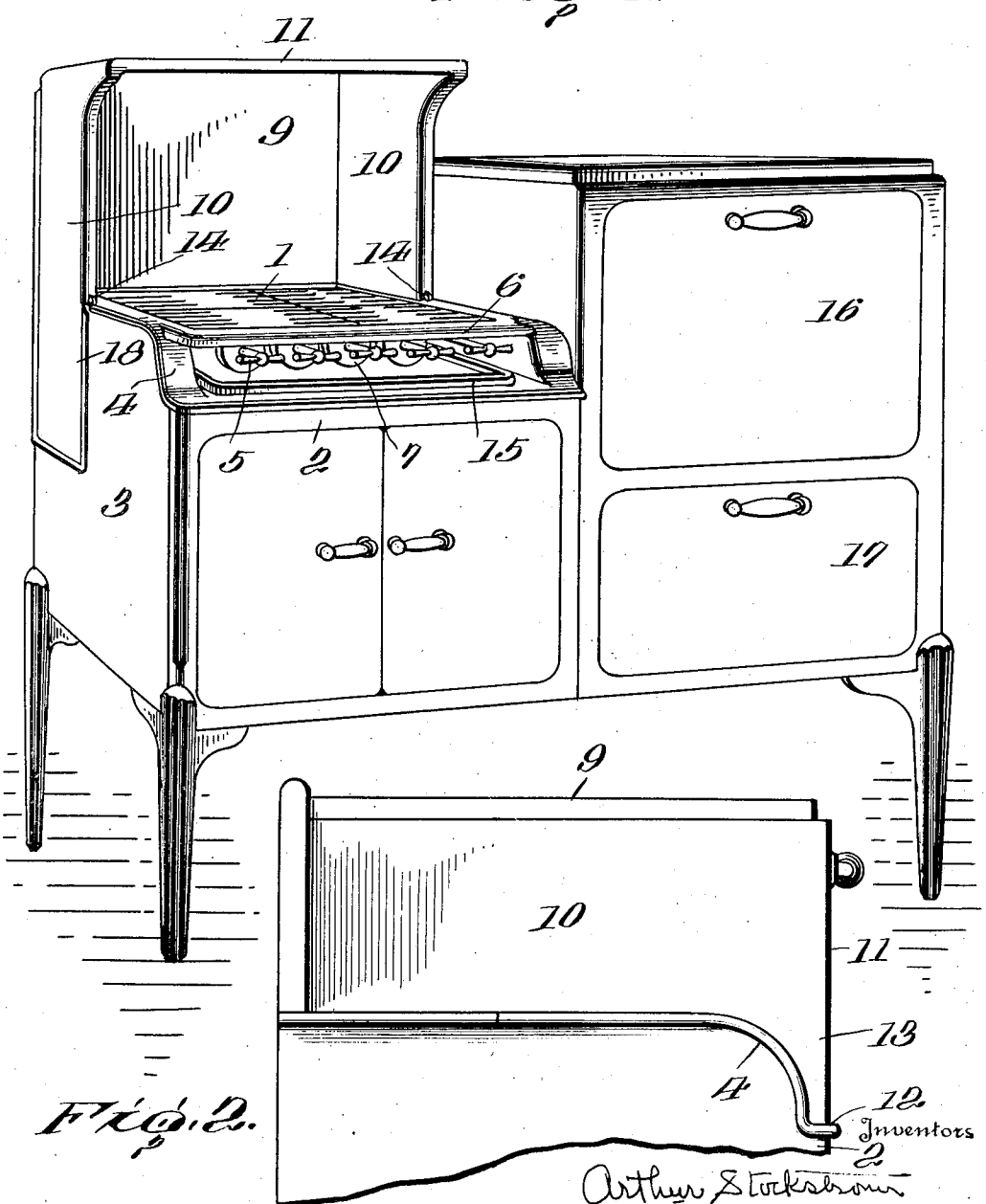


Fig. 2.

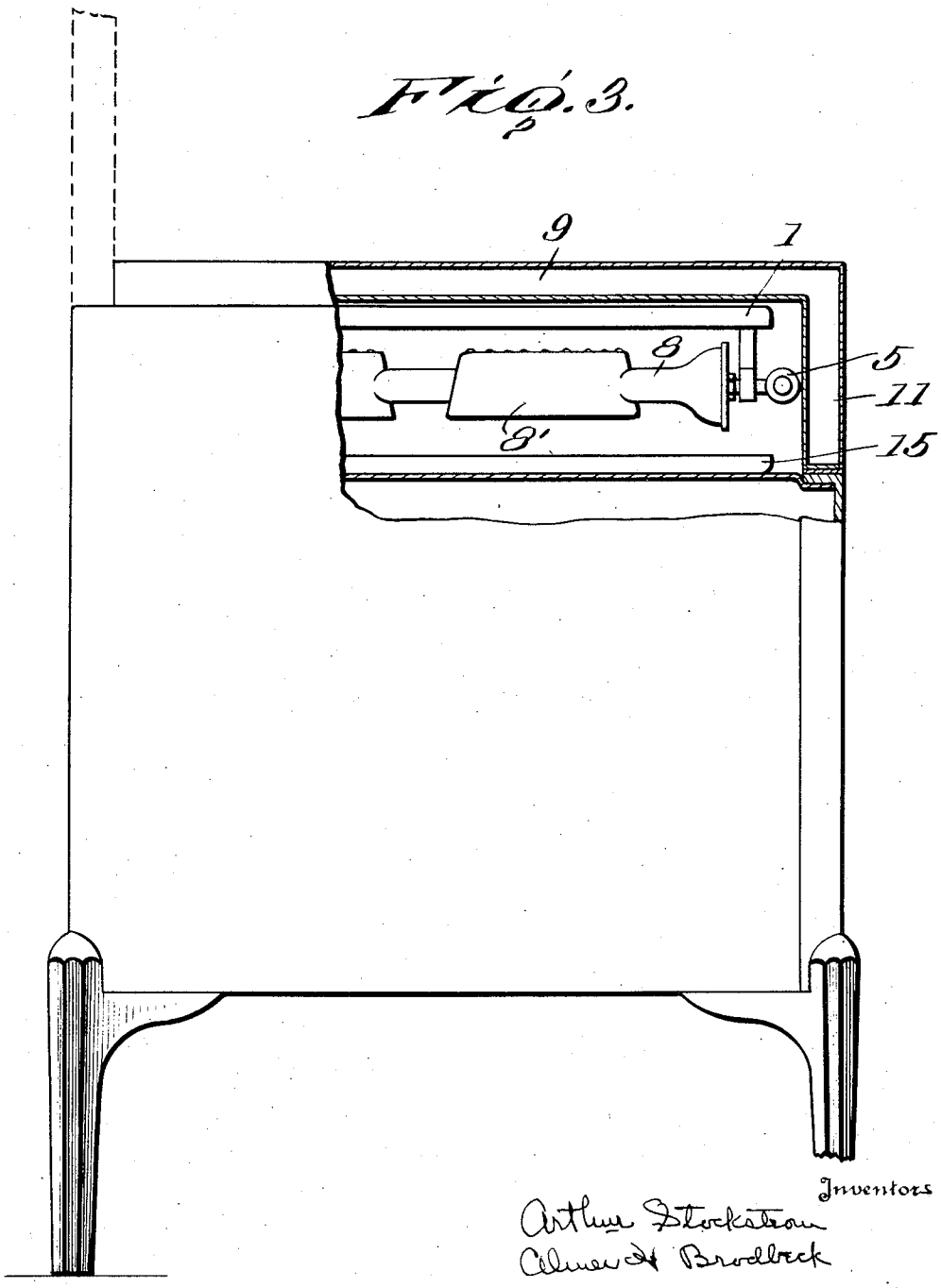
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Fig. 3.



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UNITED STATES PATENT OFFICE

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GAS RANGE

Application filed August 22, 1929. Serial No. 387,731.

This invention relates to improvements in gas ranges and the primary object is to so construct the top burner construction and a movable concealing cover therefor whereby when the concealing cover is raised the burners and mechanism can be used, and when the cover is lowered all burner parts of the range are concealed.

When the cover is enclosing the burner parts the range has the appearance of a piece of furniture since none of the working parts of the range are exposed.

This invention therefore is particularly adapted for small apartments or houses, dinettes, etc., as it enables the range to be closed up and leaving no appearance that it is a gas range.

In the drawings:

Figure 1 is a perspective view showing this improvement applied to one type of range.

Figure 2 is an end view of the top burner construction showing it applied to another type of range.

Figure 3 is a vertical sectional view showing a modification of the improvement.

In carrying out the present improvement we so construct the top burner construction and the movable cover that the parts cooperate for the purposes above recited.

Referring now to the drawings, attention is directed to the fact that the top burner plate 1 does not extend preferably in a vertical line with the vertical wall 2 of the range. In the particular form here shown the upper edge of the vertical wall 3 of the top burner portion has its front end 4 curved downwardly and forwardly in substantially a vertical line with the wall 2 of the range. This construction forms a burner housing. The handles 5 for controlling the flow of gas to the burners do not extend substantially beyond the front outwardly projecting edge 6 of the top burner plate 1, and the usual shutters 7 which control the flow of air to the mixing tubes 8 are also located wholly under the top plate 1.

A suitable cover 9 is provided for the above described construction and this cover is provided with end flanges 10 which project forward in the form here shown and the front edge 11 is wider than the flanges 10. This front wall 11 therefore extends down to a point 12 which is beyond the lower edges of the flanges 10. For the purpose of improving the appearance of the range the downwardly extending portions or extensions 13 have their inner edges curved gracefully as shown at 14 so that they fit the curved forward ends of the top plate.

The cover 9 can be hinged in any suitable manner so that it will swing downward for the purpose of concealing the said burners and their operating mechanism. Therefore the manner of hinging this cover may be varied. One way of hinging this cover is shown in Figure 1 and it involves the construction shown in the copending application of the application, Arthur Stockstrom filed March 21, 1929, bearing Serial Number 348,766 and a description of the special manner of hinging the cover 9 is unnecessary in this application. It is sufficient for the purposes of this case to say that the cover 9 is hinged substantially at the point 14. However instead of hinging the cover at that point it may be hinged as shown and described in the copending application of the applicants filed August 22nd, 1929, Serial No. 387,731, Patent No. 1,784,764 dated December 9, 1930.

Applicants wish it understood that so far as the present invention is concerned the manner of hinging this cover is wholly immaterial so long as the cover embraces and conceals the burner top 1, the mixing tubes 8 and their burners and the operating handles 5 as well as the drip pan 15, when such a pan is used.

Again applicants wish it understood that the type of range to which this improvement is applied is wholly immaterial so long as it involves and comes within a liberal interpretation of the claims made in this application.

It is well known to those skilled in the art that some ranges may be constructed like that shown in Figure 1. That is to say, they have what is termed, a high-up cooking oven 16 and below it the usual broiler oven 17.

Again it is well understood by those skilled in this art that there is a type of range in which the cooking oven is placed in a vertical line below the top plate 1 and then the broiler

oven below the cooking oven. This type of range is so well understood by those skilled in the art that it is deemed unnecessary to illustrate it in this application.

Again applicants desire it understood that broadly this invention would be involved if the top 9 were not made so deep, that is to say, the flanges 10 were made narrow, or indeed if the flanges were entirely omitted from the cover and the front edge 11 made to embrace the said handles, shutters, top plate and burners substantially as shown in Figure 3.

Therefore it will be clearly understood that the special construction of the present improvement may be varied or changed in many ways and still involve the broad idea of the arrangement of the burners and their handles and the top plate and the cover so constructed that it wholly encloses the entire top burner construction.

Again the extension 18 of the flanges 10 of the top burner 9 may be omitted without affecting the spirit and scope of the present improvement. Indeed the present improvement may be applied to a stove or range consisting only of the top burner construction, without changing the broad idea of the present improvement.

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

1. The combination with a range having a top burner portion with a burner housing therebelow having an open outer end and an oven portion adjacent thereto, with the top of the oven portion of a greater height than the top of the burner portion, of a cover for concealing said top burner portion and closing the outer open end of the burner housing, the top of said cover and said oven top being in the same plane when said top is closed to produce a range having a substantially flat top throughout its length.

2. A stove having a horizontally disposed burner top portion with a burner housing therebelow and an oven to one side thereof extending upwardly above said burner top portion to form a stove with an elevated oven, and a movable cover mounted to move over said burner portion to conceal the same and to close the open outer end of the burner housing and to form in conjunction with said oven a substantially flat top stove having the tops of the oven and cover arranged in substantially the same horizontal plane when the cover is in a closed position.

3. A gas stove comprising a burner housing containing burners and valves with a cooking top portion thereabove, said housing having an open outer end and stopping short of the front of said stove, said cooking top portion extending outward beyond and over the open end of the burner housing and stopping short of the front of said stove, and a movable cover mounted to move over said cooking top portion and to close the outer open end of said burner housing, for the purpose described.

4. A gas stove comprising a horizontally disposed burner housing having an outer open end, burners and valves in said housing, a horizontally disposed cooking top portion positioned above said burner housing and extending over the open end thereof, said burner housing stopping short of the stove front and the cooking top portion overhanging the open end of said burner housing and stopping short of the front of said stove, a movable cover mounted to move over said cooking top portion, said cover having a depending flange for closing the open end of said burner housing, and the depending flange of said cover assuming a position in a parallel vertical plane with the front of said stove when the cover is closed to provide a stove having a flush or flat front.

In testimony whereof we hereunto affix our signatures.

ARTHUR STOCKSTROM.
ALMER H. BRODBECK.