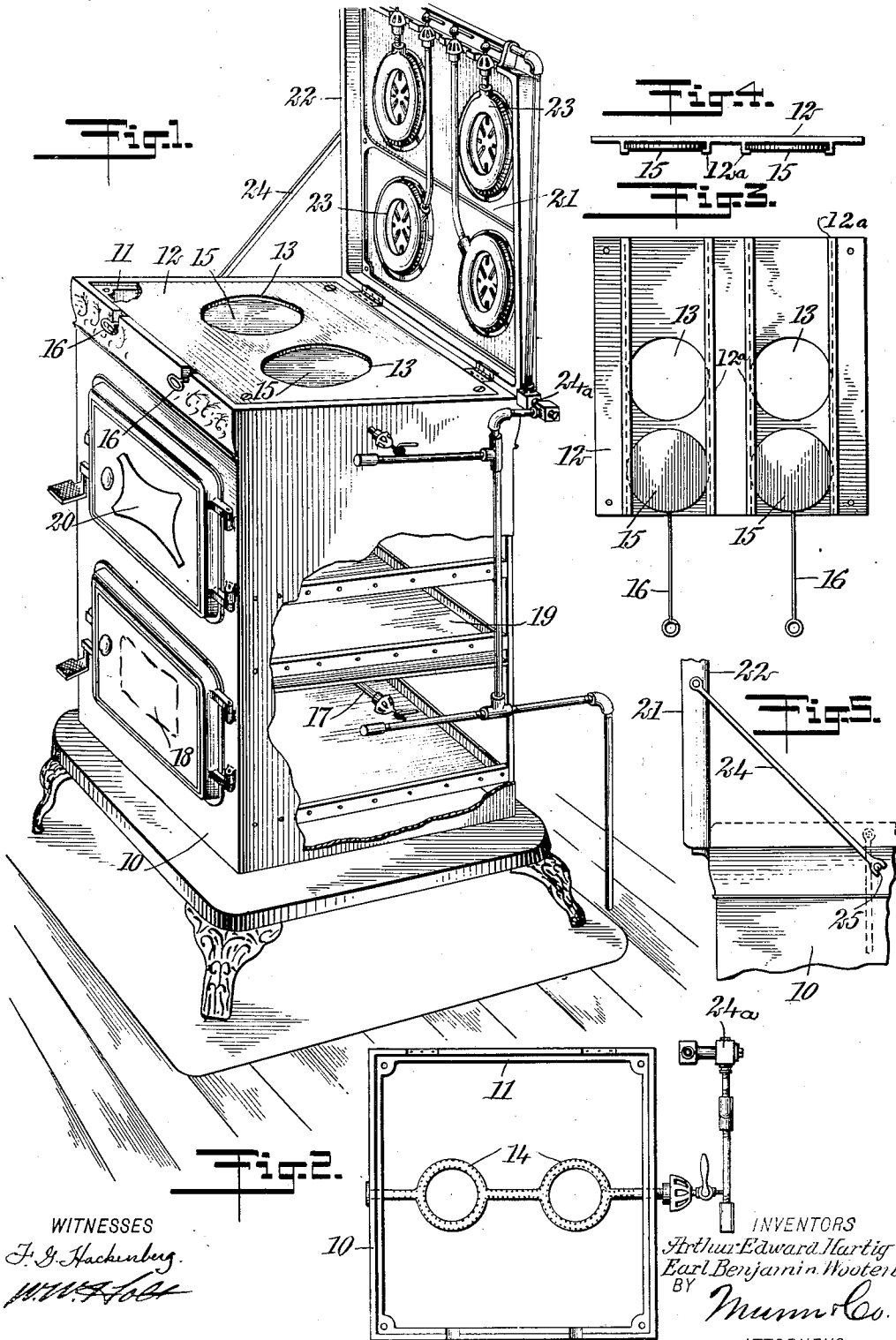


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GAS OR VAPOR STOVE.
APPLICATION FILED OCT. 7, 1908.

968,942.

Patented Aug. 30, 1910.



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ARTHUR EDWARD HARTIG AND EARL BENJAMIN WOOTEN, OF DAVENPORT, IOWA;
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GAS OR VAPOR STOVE.

968,942.

Specification of Letters Patent. Patented Aug. 30, 1910.

Application filed October 7, 1908. Serial No. 456,525.

To all whom it may concern:

Be it known that we, ARTHUR EDWARD HARTIG and EARL BENJAMIN WOOTEN, citizens of the United States, and residents of Davenport, in the county of Scott and State of Iowa, have invented a new and Improved Gas or Vapor Stove, of which the following is a full, clear, and exact description.

The invention has in view a gas or vapor stove in which the heat is advantageously distributed, reducing the consumption of gas without impairing the baking or roasting qualities, also admitting of the cooking being carried on at the top of the stove either by the heat of the oven or in the usual manner by independent burners. To this end we construct the casing or body of the stove with an oven and provide gas or vapor burners, one below the oven and one within the upper portion of the oven, arranged under cooking openings in the top of the stove, and a cover hinged to swing to and from the stove, having gas or vapor burners attached thereto and forming in connection with the top of the stove a heating chamber, the said cooking openings having sliding caps to control the passage of the oven heat to the chamber.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of a gas or vapor stove embodying our invention, showing the cover swung from the stove, as when cooking at the top by the heat of the oven, and also showing the side of the stove partly broken away to better disclose the construction; Fig. 2 is a plan of the upper portion of the stove with the cover and top plate removed; Fig. 3 is an inverted plan of the top plate of the stove; Fig. 4 is an edge view of the same; and Fig. 5 is a fragmentary side view of the stove.

The stove more specifically described has the usual body portion or casing 10 provided with an internal shoulder or flange 11, at the top on which seats and is secured a top plate 12, the same having one or more cooking openings 13, under which are arranged gas or vapor burners 14, as shown in Fig. 2. On the under side of the top plate 12, ways or undercut ribs 12^a are provided, running from front to rear, as shown in

Figs. 3 and 4, in which are slidable caps 15 having operating handles 16 passing out through the front of the stove. These caps serve to cover the openings 13 and prevent the escape of the heat from the oven, and also prevent the passage of dirt thereinto when the openings 13 are not in use. The burner or burners 14 in addition to supplying the heat for cooking on top of the stove, also heat the top of the oven, which is further heated at the bottom by a similar burner or burners supplied through a pipe 17, the last mentioned burners also operating to heat a bottom or broiling compartment which is accessible at the front of the stove through a door 18. The oven proper is separated from the broiling compartment by a bottom plate 19, preferably of an imperforate nature, and access within the oven is obtained through a door 20 arranged above the door 18.

To the stove body or casing is hinged, preferably at the rear edge, a cover 21, which is shown to have a marginal flange 22 on its under face, and further provided with a number of gas or vapor burners 23 permanently attached to the forward portion thereof and arranged under suitable openings. This cover is supported from the top of the stove when the latter is in use by suitable means such, for example, as an arm 24, which, it will be observed in Fig. 5, is hinged to the cover and has a notched free end adapted to engage over a pin 25 projecting from the stove body. When the cover is lowered, as when using the stove in the usual manner, the marginal flange 22 rests on the upper edge of the stove body and supports the burners 23 a substantial distance above the plate 12. The supply pipe leading to the burners 23 is provided with a knuckle joint 24^a in alinement with the hinges of the cover, whereby the gas supply is not interfered with in moving this cover to and from operative and inoperative positions. When the cover 21 is seated on the stove it forms in connection with the top plate 12 a heating chamber which is entirely closed at the sides by the marginal flange 22. This chamber may be heated by either the oven burners or cover burners or both jointly, in either case admitting of the cooking over any of the burner openings in the top plate or at other points on this plate, and thus saving in fuel.

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

5 The combination in a gas or vapor stove, of an oven, a burner for heating the oven, the top plate of the oven having a cooking vessel opening receiving its heat from the oven burner, a cover movable to and from the stove and forming when in operative position,
10 tion, in connection with the said top plate, a heating chamber, and a burner carried by the cover, the said cover having a cooking

vessel opening under which the last-named burner is arranged and through which the heated gases from the oven burner are adapted to pass. 15

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

ARTHUR EDWARD HARTIG.

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Witnesses:

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