

(No Model.)

4 Sheets—Sheet 1.

R. R. FINCH & T. J. HODGKINS.
COMBINED COOKING RANGE AND GAS STOVE.

No. 514,919.

Patented Feb. 20, 1894.

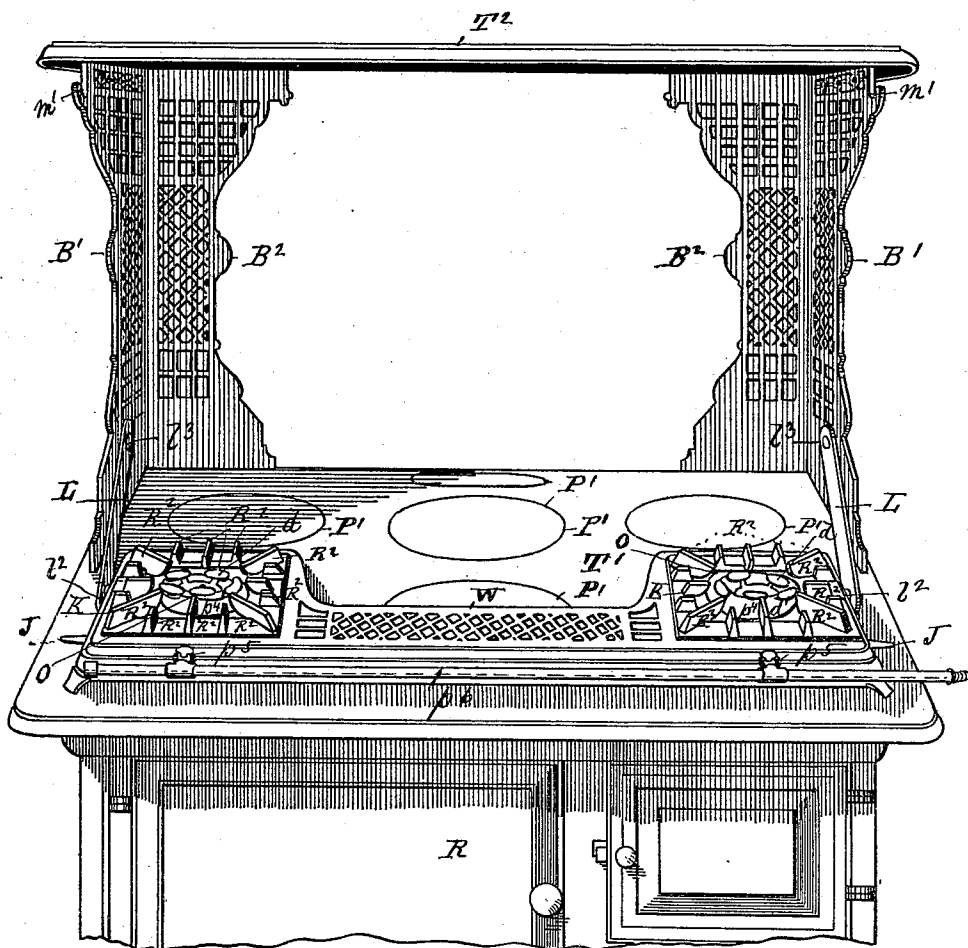


FIG 1

WITNESSES

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William A. Sweet

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by W. E. Hagan atty.

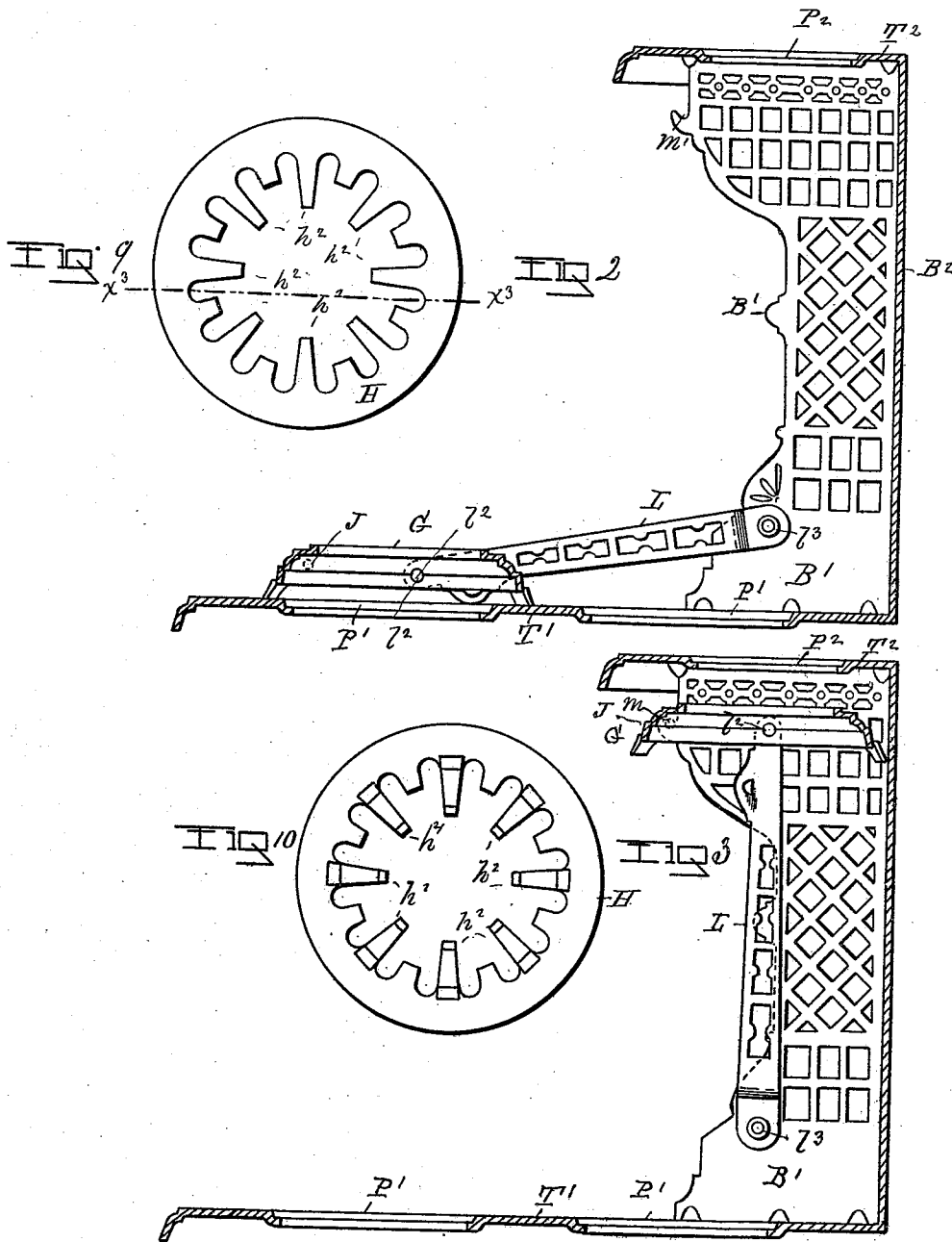
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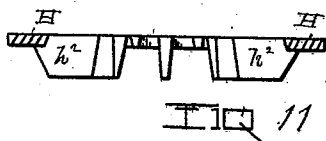
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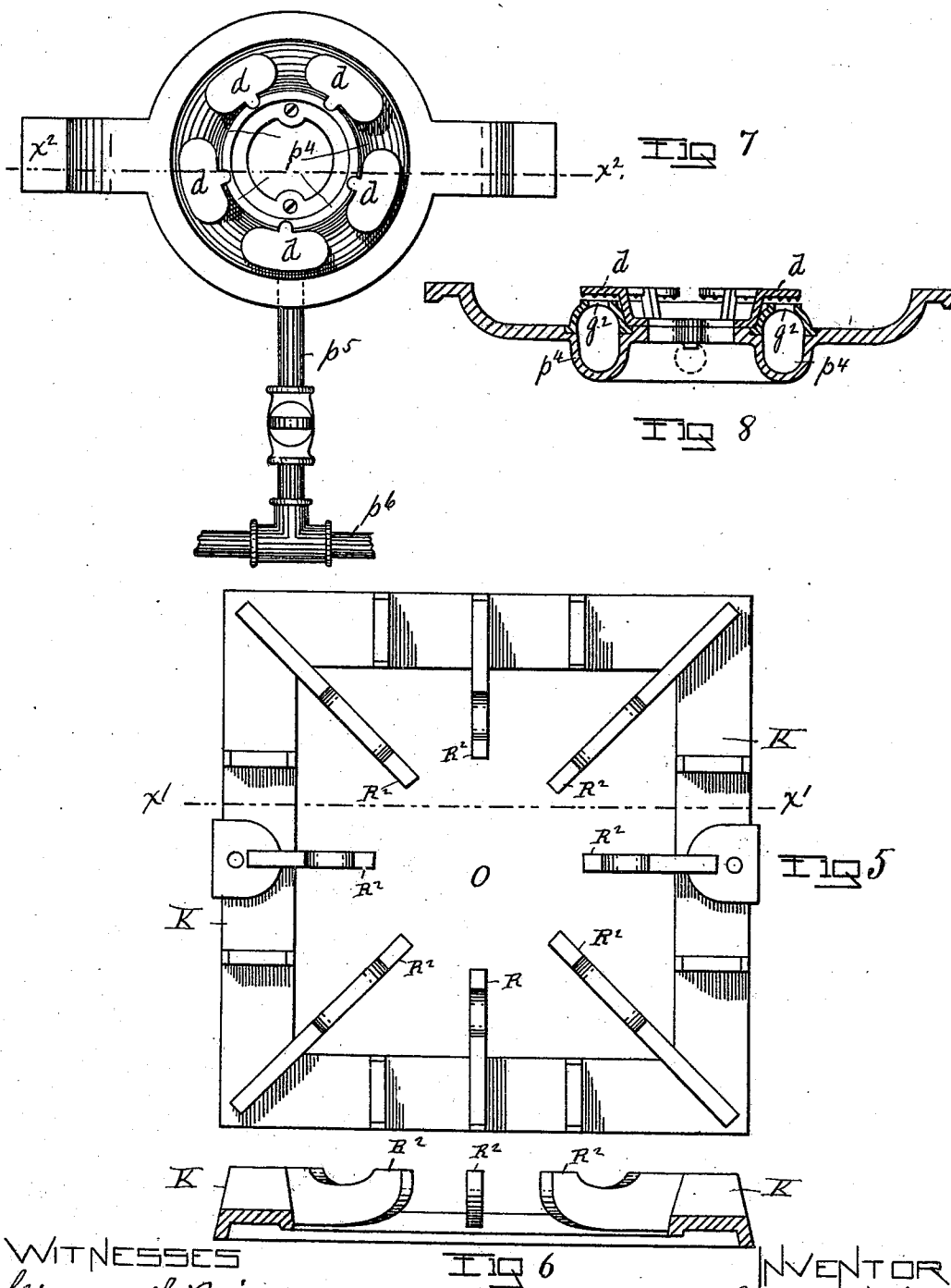
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FIG 6

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UNITED STATES PATENT OFFICE.

REUBEN R. FINCH AND THOMAS J. HODGKINS, OF PEEKSKILL, NEW YORK,
ASSIGNORS TO THE UNION STOVE WORKS, OF SAME PLACE.

COMBINED COOKING-RANGE AND GAS-STOVE.

SPECIFICATION forming part of Letters Patent No. 514,919, dated February 20, 1894.

Application filed July 6, 1892. Serial No. 439,103. (No model.)

To all whom it may concern:

Be it known that we, REUBEN R. FINCH and THOMAS J. HODGKINS, of Peekskill, Westchester county, and State of New York, have invented a new and useful Combined Cooking-Range and Gas-Stove, of which the following is a specification.

Our invention relates to the combination with a cooking range, that is provided with a boiler-hole top, and a warming shelf above the latter; of a gas stove that is connected to the range body, or side brackets that support the warming shelf by means of link-bars; with said gas-stove adapted to rest on the boiler-hole top of the range when the latter is not in use, and be used in place of the latter, or be swung up beneath the warming shelf to heat vessels thereon in connection with the use of the range, when the amount of required work is more than can be accomplished by the latter.

Accompanying this specification to form a part of it there are four plates of drawings containing eleven figures illustrating our invention with the same designation of parts by letter reference used in all of them.

Of these illustrations Figure 1 is a front elevation of a portion of the body-part of a cooking range having a top warming shelf supported on side brackets, and with our invention applied thereto. Fig. 2 is a side elevation of one of the brackets that support the warming shelf taken on its interior face with the boiler-hole top of the range-part of the warming shelf, and the rear bracket illustrated in section, taken on the line x^4, x^4 , of Fig. 4, and with the gas-stove shown as down and resting upon the boiler-hole top of the range proper. Fig. 3 shows the same parts that are illustrated at Fig. 2, but with the gas stove shown as raised and in position to heat vessels inserted in the boiler-holes in the shelf. Fig. 4 illustrates a top view of the range, and the warming shelf with the gas stove shown as swung down and resting on the range top proper. Fig. 5 illustrates a top of one of the gas stove kettle supports, and Fig. 6 a section taken on the line x', x' , of Fig. 5. Fig. 7 shows a top view of one of the gas-stove burners, in which the latter is arranged in the form of a circle, and Fig. 8 shows a section

taken on the line x^2, x^2 , of Fig. 7. Fig. 9 shows a kettle-rest made to fit in to the pot holes of the warming shelf with what is its under side when in use facing the view. Fig. 10 is a top view of the kettle rest shown at Fig. 9, and Fig. 11 is a section taken on the line x^3, x^3 , of Fig. 9.

The several parts of the range thus illustrated, and the gas stove and its connections with the range, are designated by letter reference, and the function of the several parts is described as follows:

The letter R designates the range body made with the boiler-hole top T'.

The letter B' indicates side brackets, B² the back brackets, and T² the warming shelf located on top of the brackets, with the bottoms of the latter resting on and connected to the boiler-hole top T'.

The letters P' designate pot-holes made in the boiler-hole top of the range, and P² pot-holes made in the warming shelf adapted to receive kettles or kettle supports, where vessels placed thereon may be heated by the gas stove as will be more fully detailed hereinafter.

The letter G designates a gas stove which is made with two rectangular-form kettle rests K, which are connected by an intermediate web W. Each of these kettle rests is made with supports R², that are radially placed around the center opening O, with the area between them open, and the outer ends of these supports connecting with the rectangular sides of the kettle rests.

The letter p^4 , designates a ring of pipe having gas jets g^3 , made in its top, and d designates deflectors placed above said jets to spread out the gas issuing from them while burning. Each of these rings p^4 is connected by a branch pipe p^5 , with a gas supply pipe p^6 , and each of these rings p^4 , is placed beneath one of the openings O, in the kettle rests K, and attached to the latter so as to move with it.

The letters L, L, designate link-bars, of which there is one at each end of the gas stove. The lower end of each of these link-bars makes a pivotal connection with the end of the gas stove as indicated at l^2 , and each of the upper ends of these link-bars at l^3 , makes a

pivoted connection with the inside of each of the side brackets B'.

The letters *m'*, *m'*, designate a recess of a hook-form made in the front edge of each of the side brackets, and J a pin on each end of the gas stove adapted to enter said hook-form recess and in connection with the link-bars L, L, hold the gas stove in place when swung up from off the range top, and in the position shown at Fig. 3.

The letters H designate the kettle holders adapted to enter the pot-holes P², made in the warming shelf of the range. These holders have kettle rests *h*², that are upcast to project above the top proper of the warming shelf, so that a vessel set thereon will be far enough away from the top and the gas jets to allow of a free combustion of the gas.

When it is desired to use the combined functions of the range and gas stove, the latter by means of its link connection with the side brackets B', is raised so as to be beneath the warming closet top T², with its gas burners beneath the pot-holes made therein, with the parts appearing as shown at Fig. 3.

When it is desired to use the gas stove alone the latter is swung down on its link connection so as to rest on the boiler-hole top T' of the range with the parts appearing as shown at Fig. 2. When the gas stove is raised into the position shown at Fig. 3, the pins J on each end of the gas stove will each rest in one of the recesses *m'*, made in the side brackets B², and by this connection and the relative position of the links L, L, the gas stove will be held in place. As thus made and arranged a gas stove is adapted to be used in connection with the cooking functions of the range or independently of the latter, and this construction as combined permits of the separate or connected use of both; when a large amount of work is to be done, or when a less amount is called for. The latter condition often occurs in hot weather, when the gas stove may be used alone without a fire in the range and the discomfort produced in heating up the house by the use of the range fire is avoided.

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

1. The combination with a cooking range having a boiler hole top, side-brackets and a top shelf supported on the latter, of a gas stove constructed with links that pivotally

connect each of the ends of the gas stove with one of said brackets and whereby said gas stove may be swung up to heat vessels placed in said top shelf, or rest on said boiler-hole top when not so raised, substantially in the manner as and for the purposes set forth.

2. The combination with the range top T', of the side brackets B², B², each made with the recess *m'*, the shelf T², supported on said brackets and made with pot-holes P², the gas stove G, made with the end journal pins J, J, and the links L, L, each pivotally connecting with one of said brackets and the adjacent end of the gas stove, whereby said gas stove may be swung up beneath said shelf, to heat vessels therein, and held in place by said recesses, or swung down to rest on said range top proper, substantially in the manner as and for the purposes set forth.

3. The combination with the shelf T², supported on end brackets and made with pot holes P², of the kettle holders H, made with the upwardly projected kettle rests *h*², and the gas stove G, connected at each of its ends by a link with one of the end brackets, whereby said gas stove may be swung up into a position beneath said shelf to heat vessels placed in said kettle holders, or swung down therefrom substantially in the manner as and for the purposes set forth.

4. The combination with the gas stove G, made with end pins J, J, of the brackets B², B², made with recesses *m'*, *m'*, the warming shelf T², made with pot-holes P², and the links L, L, pivotally connecting said gas stove with said brackets, constructed and arranged to be operated substantially in the manner as and for the purposes set forth.

5. The combination with the range top T', of the side brackets B², B², each made with the recess *m'*; of the warming shelf T², made with pot-holes P², kettle holders H; and the gas stove G, made with the end pins J, J, and the links L, L, pivotally connecting said gas stove with said brackets, substantially in the manner as and for the purposes set forth.

Signed at Peekskill, New York, this 4th day of May, 1892, and in the presence of the two witnesses whose names are hereto written.

REUBEN R. FINCH.
THOMAS J. HODGKINS.

Witnesses:

SANFORD R. KNAPP,
JOHN SMITH, Jr.