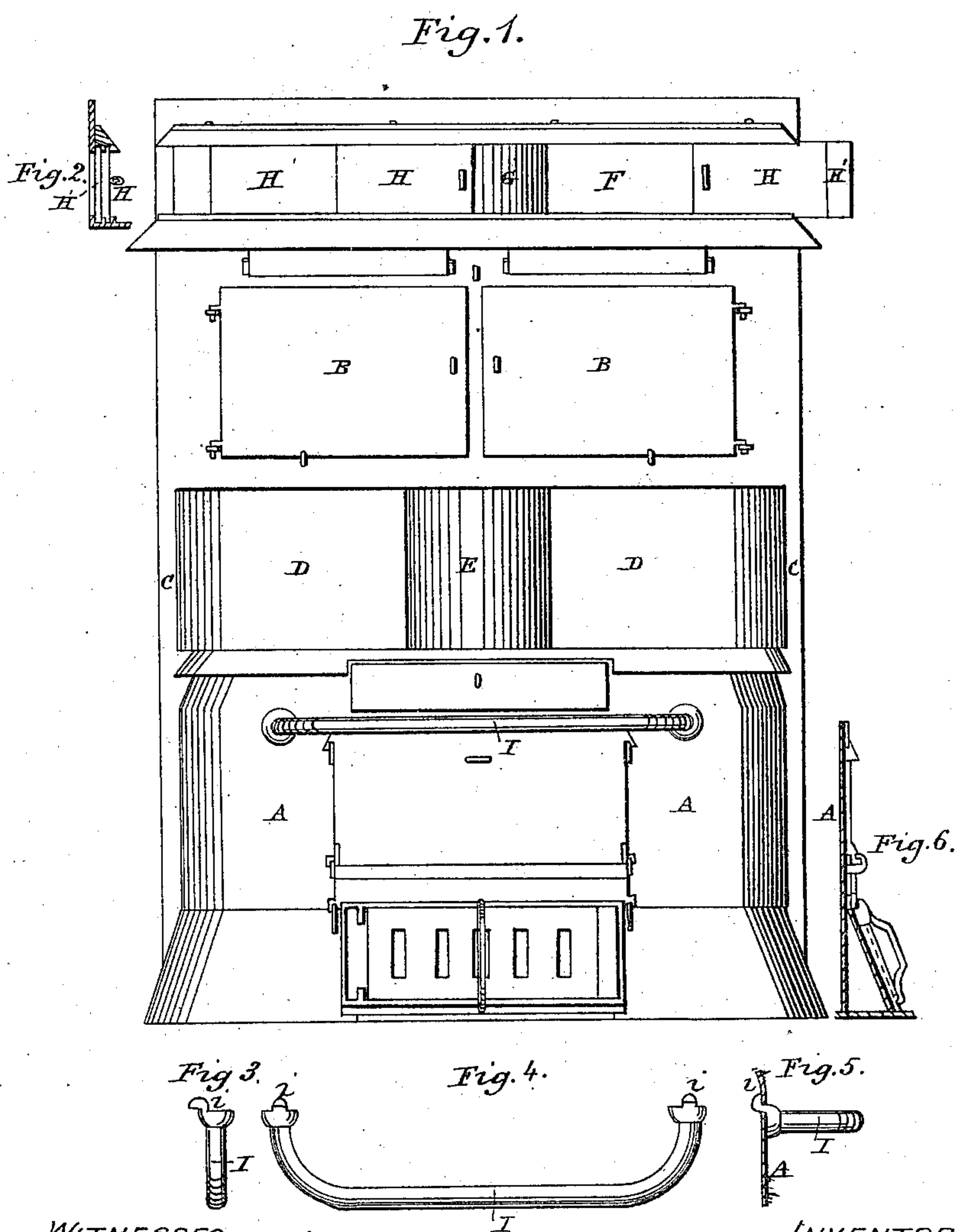


C. D. NEWTON.  
Cooking Range.

No. 97,216.

Patented Nov. 23, 1869.



WITNESSES  
Saml. J. Mayr.  
H. W. Howard

INVENTOR  
C. D. Newton  
by Orindle & Ayer  
attys



# United States Patent Office.

CHARLES D. NEWTON, OF TROY, NEW YORK.

Letters Patent No. 97,216, dated November 23, 1869.

## COOKING-RANGE.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, CHARLES D. NEWTON, of Troy, in the county of Rensselaer, and in the State of New York, have invented certain new and useful Improvements in Cooking-Ranges; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing, making a part of this specification, in which—

Figure 1 is a front elevation of a cooking-range containing my improvements;

Figure 2 is a vertical cross-section of the front plate of the warming-closet, showing the arrangement of the doors;

Figures 3 and 4 are an end and a top view, respectively, of the fender;

Figure 5 is an end view of the same, as applied to the front plate of the range; and

Figure 6 is a vertical section of the front plate, showing the arrangement of the doors opening into the roasting-closet.

Letters of like name and kind refer to like parts in each of the figures.

The nature of my invention consists in the employment of a fender upon the front of a cooking-range, so constructed as to permit of its being secured to or removed from said range, as may be desired.

In the annexed drawing—

A represents the front plate or casing, enclosing the fuel-chamber, immediately above and in rear of which are two baking-ovens, B and B, supported by the side and back plates C, C, and D, and having around the outside of each the usual flues, which are connected with said fuel-chamber by means of a flue or pipe, E.

Immediately above the upper flue of the ovens is a warming-closet, F, through which passes the exit-pipe G, by which means said closet receives warmth from both flue and pipe.

The front of the closet F is enclosed by four sliding doors, H and H', which open outward from the centre, and are connected together or operated in pairs, the centre doors, H, being placed in a groove outside of the others, H', which latter are provided with a flange upon their inner ends, projecting outward at a right angle, and engaging with similar flanges projecting inward from either end of the outer doors H, so that, when the latter are moved, laterally, in either direction, one of the flanges thereon shall engage with that upon the inner door, and cause said door to slide in the same direction.

The grooves containing the doors extend across the entire front, and permit said doors to be slid outward until only their inner ends are contained therein, where they are held, by means of a pin or its equivalent, upon the inner end of the inner doors, which projects

to the rear, so as to engage with the side plates of the closet.

By this arrangement, it will be seen that the entire front of the warming-closet can be thrown open, so as to permit of the introduction thereto, or removal therefrom, of any articles which said closet is capable of containing, and, further, that it permits of the removal of articles from the sides of said closet without disturbing those placed near the centre, or where the doors are usually situated.

Although this arrangement is deemed most advantageous, if desired, the doors may be hinged together, and to the side plates of the closet, so as to allow the entire front thereof to be opened.

In order that the oven and warming-closet may be used, it is necessary that the operator should, occasionally stand very close to the lower part of the stove, and it often happens, that while thus engaged, the clothes take fire, causing more or less damage, and, sometimes, loss of life.

To guard against all liability to such accidents, I employ a fender, I, consisting of a metal rod, of the form shown in fig. 4, which is secured, at its ends, to the front plate A, and projects outward, and across the front of the same, so as to withhold the clothes from contact with the heated range.

As, however, said fender would be in the way when the roasting-oven is used, it is necessary that it should be removable when desired, which object is accomplished by providing, upon each end thereof, a hook, *i*, extending rearward and upward, as seen in figs. 3 and 5, so that, when passed through a suitable opening in the plate A, it will bear against the inside of said plate above the opening, while the shoulder or end of said fender will bear against the outside of the plate below said opening, and thus hold the fender in a horizontal position, the distance from the outside of said hook to the shoulder or end of said fender being just equal to the thickness of the plate.

When thus constructed, the fender can be readily applied to or removed from the stove, as occasion may require, and, as it costs but little, its general use is considered certain.

Having thus fully set forth the nature and merits of my invention,

What I claim as new, and desire to secure by Letters Patent, is—

The employment of the movable fender I, provided with the hooks *i* and *i*, upon the front of a cooking-stove or range, substantially as and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 7th day of August, 1869.

CHAS. D. NEWTON.

Witnesses:

W. J. KEEP,

CHAS. H. HAZARD.