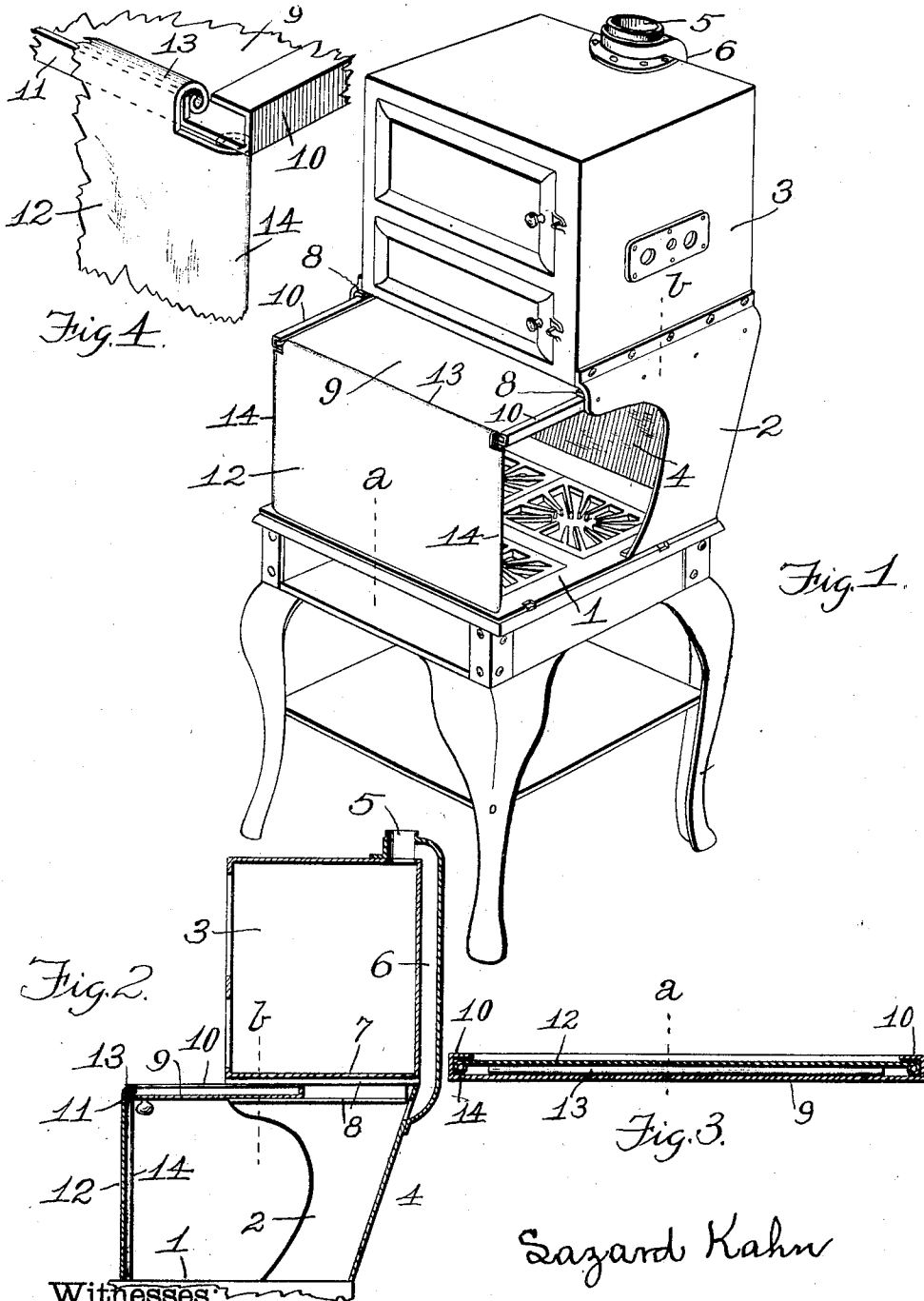


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GAS COOKING STOVE.
APPLICATION FILED APR. 6, 1909.

931,312.

Patented Aug. 17, 1909.



Witnesses:
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7.

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UNITED STATES PATENT OFFICE.

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GAS COOKING-STOVE.

No. 931,312.

Specification of Letters Patent.

Patented Aug. 17, 1909.

Application filed April 5, 1909, Serial No. 488,000.

To all whom it may concern:

Be it known that I, LAZARD KAHN, a citizen of the United States, residing at Hamilton, Butler county, Ohio, have invented certain new and useful Improvements in Gas Cooking-Stoves; of which the following is a specification.

This invention will be readily understood from the following description taken in connection with the accompanying drawing in which:—

Figure 1 is a perspective view of a gas cooking stove exemplifying my invention; Fig. 2 a vertical section of the upper portion thereof in the plane of lines *a*; Fig. 3 a vertical section of certain parts in the plane of line *b*; and Fig. 4 a perspective view at one of the curtain-joints.

In the drawing:—1, indicates the usual main burner top; 2, brackets standing up from the sides of the burner top at its rear portion; 3, the oven, for baking or for broiling or for both, supported by the brackets; 4, a rear wall plate extending sidewise from bracket to bracket and extending vertically from stove top to oven bottom; 5, a pipe collar to receive a pipe to carry off the spent gases; 6, a flue disposed at the rear of the stove and having its upper end in connection with the pipe collar and having its lower end communicating, through an opening in rear wall 4, with the space walled by the brackets and the wall plate; 7, the oven floor; 8, an inwardly presenting grooved guideway disposed at the inner face of the top of each bracket; 9, a shelf-plate arranged for sliding motion in the guideways 8 so that it may occupy a position entirely beneath the oven or partially out from beneath the oven; 10, inwardly presenting guideways formed at the side margins of shelf-plate 9, the exterior of these guideways being the portions of plate 9 by which that plate engages the fixed guideways 8; 11, an upwardly presenting flange at the forward edge of shelf-plate 9; 12, a curtain-plate adapted to extend vertically from the forward edge of the shelf-plate to the main stove top; 13, a hooking bead formed on the upper edge of the curtain-plate and adapted to loosely engage, hookwise, the flange 11 of the shelf-plate, this bead having a length less than the distance between the inner flanges of the guideways 10; and 14, a bead formed at each side edge of the curtain-plate,

these beads being adapted to slide freely in the guideways 10, and their length being such that when the curtain is vertical they will come just below the shelf-plate.

The drawings, with the exception of Fig. 3, show the shelf-plate partially withdrawn from under the oven, and show the curtain-plate in vertical position. Under these conditions the cook may do work with the oven without danger from the burners of the main stove top, and at the same time the forwardly projecting portion of the shelf-plate serves as a convenient rest. The curtain-plate may be turned to horizontal position and then be slid rearwardly so as to occupy a position over the shelf-plate, thus giving free access to the main top burners while there is still a convenient rest formed by the projecting portion of the shelf-plate to which the curtain has added additional strength. The combined shelf and curtain may be pushed inwardly so as to be completely housed under the oven.

The shelf-plate and curtain may be readily withdrawn from the general structure, for purposes of cleaning, and the curtain may be readily disengaged from the shelf. In this general class of cooking stoves the oven bottom is subjected to the destructive action of steam and gases from the main top burners. When the shelf-plate is pushed clear back under the oven it forms a protection for the oven-bottom and thus vastly increases the life of the oven bottom, which is generally formed of sheet metal. In addition the flue at the back of the oven serves in ventilating the space between the oven bottom and the main top of the stove, thus lessening the destructive effect of vapors and gases from the main portion of the stove and also withdrawing odors and making the position in front of the stove generally more comfortable for the cook, the atmosphere of the kitchen being also made more pleasant. The heat of the oven increases the drawing power of the ventilating flue.

When the shelf-plate is drawn out and the curtain is standing vertically then the beads at the sides of the curtain aid in supporting the projection of the shelf-plate.

I claim:—

1. A gas stove comprising, a main top, brackets extending upwardly from the rear portion of the sides thereof, an oven supported by the tops of the brackets, and a

movable protecting structure adapted to extend from the forward portion of the base of the oven to the front portion of the main top, combined substantially as set forth.

5 2. A gas stove comprising, a main top, brackets extending upwardly from the rear portion of the sides thereof, an oven supported by the tops of the brackets, and a protecting structure adapted to extend from the
10 oven downwardly to the front portion of the main top and also to be idly housed up under the oven, combined substantially as set forth.

3. A gas stove comprising, a main top, brackets extending upwardly from the rear
15 portion of the sides thereof, an oven supported by the tops of the brackets, a shelf-plate supported underneath and adjacent to the bottom of the oven and adapted to slide inwardly and outwardly so as to take position
20 entirely under the oven when projecting outwardly over the forward portion of the main top, and a curtain-plate movably connected with the forward edge of said shelf-plate and extending downwardly toward the
25 forward portion of the main top, combined substantially as set forth.

4. A gas stove comprising, a main top, brackets extending upwardly from the rear
30 portion of the sides thereof, an oven supported by the tops of the brackets, guideways under the oven at its ends, a shelf-plate adapted to slide inwardly and outwardly in said guides so as to take position
35 entirely under the oven or projecting outwardly over the forward portion of the main top, and a curtain-plate movably connected with the forward edge of said shelf-plate and extending downward and toward the
40 forward portion of the main top, combined substantially as set forth.

5. A gas stove comprising, a main top, brackets extending upwardly from the rear
45 portion of the sides thereof, an oven supported by the tops of the brackets, guideways under the oven at its ends, a shelf-plate engaging said guideways and projecting forwardly from the oven and adapted to slide inwardly under the oven, flanges
50 forming guideways at the ends of the shelf-plate, and a curtain-plate movably attached to the forward edge of the shelf-plate and adapted to be slid into the flanged guideways of the shelf-plate, whereby the shelf-plate and curtain may both be housed under
55 the oven, combined substantially as set forth.

6. A gas stove comprising, a main top, brackets extending upwardly from the rear portion of the sides thereof, an oven supported

by the tops of the brackets, guideways under the oven at its ends; a shelf-plate projecting forwardly from the oven
60 and adapted to slide rearwardly in said guideways, flanged guideways on the ends of the shelf-plate, an upturned flange on the forward edge of the shelf-plate, and a curtain adapted to slide rearwardly in said
65 flanged guideways and having an open bead engaging said upturned flange and serving to connect the curtain with the shelf-plate when the curtain is in vertical position, combined substantially as set forth.

7. A gas stove comprising, a main top, brackets extending upwardly from the rear
70 portion of the sides thereof, an oven supported by the tops of the brackets, guideways under the oven at its ends, a shelf-plate projecting forwardly from the oven and adapted to slide rearwardly in said guideways, flanged guideways on the ends of the
75 shelf-plate, an upturned flange on the forward edge of the shelf-plate, a curtain adapted to slide rearwardly in said flanged guideways and having an open bead engaging said upturned flange and serving to
80 connect the curtain with the shelf-plate when the curtain is in vertical position, and rolled beads at the side edges of said curtain adapted to engage within said flanged
85 guideways, combined substantially as set forth.

8. A gas stove comprising, a main top, brackets extending upwardly from the rear
90 portion of the sides thereof, an oven supported by the tops of the brackets, guideways under the oven at its ends, a shelf-plate projecting forwardly from the oven and adapted to slide rearwardly in said
95 guideways, flanged guideways on the ends of the shelf-plate, an upturned flange on the forward edge of the shelf-plate, a curtain adapted to slide rearwardly in said
100 flanged guideways and having an open bead engaging said upturned flange and serving to connect the curtain with the shelf-plate when the curtain is in vertical position, and
105 rolled beads at the side edges of said curtain adapted to engage within said flanged guideways, said rolled beads being of such length as to take supporting position under
110 the shelf-plate when the curtain is in vertical position at the front of the shelf-plate, combined substantially as set forth.

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Witnesses:

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