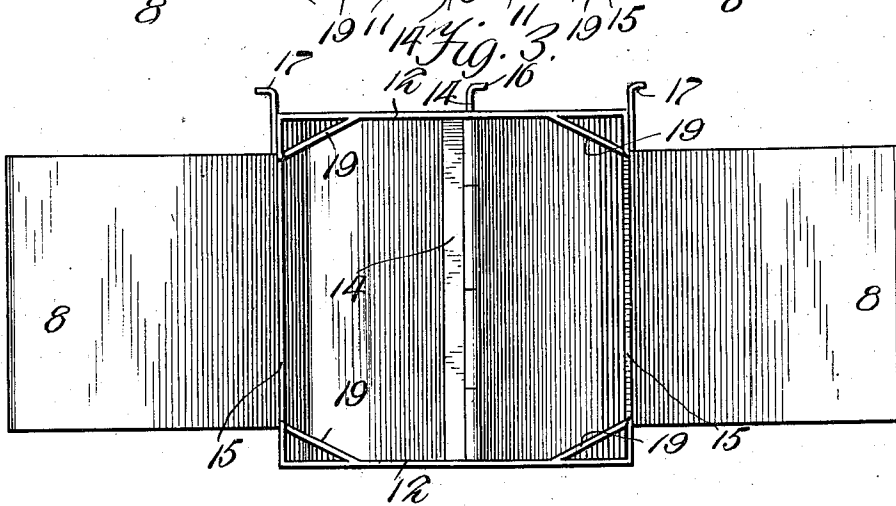
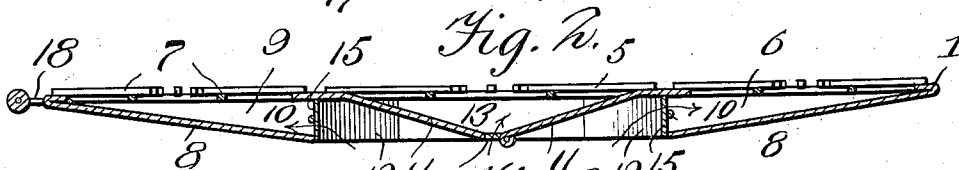
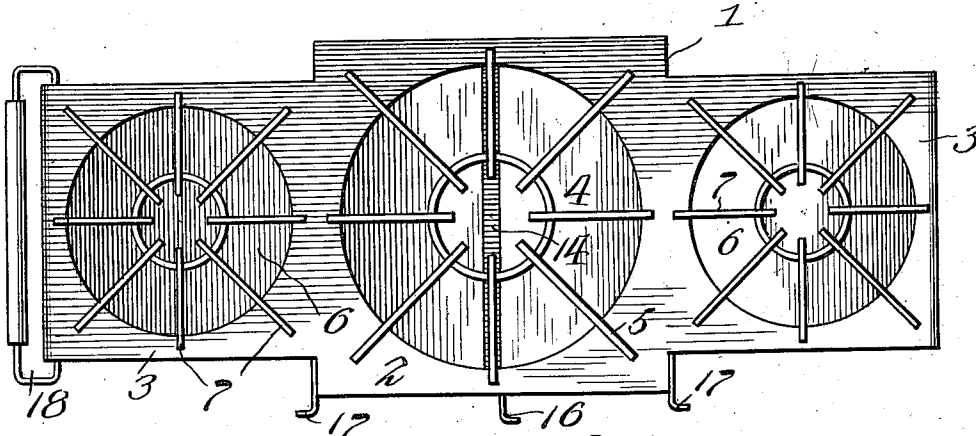


A. B. COLEMAN.
HEAT DISTRIBUTING TOP FOR BURNERS.
APPLICATION FILED SEPT. 22, 1909.

961,755.

Patented June 21, 1910.

Fig. 1.



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Witnesses

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UNITED STATES PATENT OFFICE.

ALBERT B. COLEMAN, OF OBERLIN, OHIO.

HEAT-DISTRIBUTING TOP FOR BURNERS.

961,755.

Specification of Letters Patent. Patented June 21, 1910.

Application filed September 22, 1909. Serial No. 518,930.

To all whom it may concern:

Be it known that I, ALBERT B. COLEMAN, a citizen of the United States, residing at Oberlin, in the county of Lorain and State of Ohio, have invented new and useful Improvements in Heat-Distributing Tops for Burners, of which the following is a specification.

This invention is an improved heat distributing top for gas, vapor, oil and other like stoves or burners, the object of the invention being to provide an improved device of this character which serves to distribute the heat from a single burner to different parts of the top so that a number of articles may be heated or cooked at the same time by the heat from a single burner and an economy be thereby effected, the said invention consisting in the construction, combination and arrangement of devices hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a plan of a heat distributing top constructed in accordance with this invention. Fig. 2 is a vertical longitudinal sectional view of the same. Fig. 3 is a bottom plan view of the same.

The top 1 is here shown as a flat plate of suitable dimensions and comprising a central portion 2 and side or end extensions 3 which project from opposite sides thereof and are here shown as integral therewith. The central portion has an opening 4 and a grate or spider 5 extending over the same and serving to support a pot, pan or other vessel and each of the extensions 3 has a similar opening 6 and a similar grate 7. Under the side extensions and here shown as formed integral with the top plate are inclined deflectors 8 which converge downwardly and, together with the side walls 9, form passages 10 under the said side extensions which passages deepen inwardly and open toward each other. The top plate is further provided at a point under the opening 4 with a pair of oppositely inclined downwardly converging deflectors 11 which form, together with walls 12, an upwardly widening heat distributing passage 13 under the opening 4. The lower edges of the de-

flectors 12 are spaced apart and a hinged damper 14 is mounted between them which may be turned to close or open the said space as may be required. At the inner end of the passage 10 are dampers 15 by means of which said passages may be closed or opened. The said dampers 14—15 are respectively provided with handles 16—17 whereby they may be operated. A handle 18 is provided at one end of the top.

In use, my improved heat distributing top is disposed with a central opening 4 above the burner so that the heat from the burner will be deflected into and through the side passages 10 and caused to pass through the openings 6 as well as to pass through the space between the lower ends of the deflectors 11 into the passage 13 and up through the opening 4 and thus all parts of the top will be heated from a single burner and a number of different articles may be heated or cooked on the top. By closing the damper 14 and opening the dampers 15, the major portion of the heat may be directed to the side extensions of the top. By closing the dampers 15 and opening the damper 14, the heat can be concentrated under the center of the top. Hence when the top is in use, the heat may be directed in any proportion to any required portion or portions of the top. In the angle between the walls of the central portion of the top are brace walls 19 which greatly strengthen the construction thereof and also serve in assisting to concentrate the heat under the center of the top.

What is claimed is:—

1. A top for gas and other like stoves having a central and side openings, a pair of inclined downwardly converging deflectors under the central opening having their lower edges spaced apart, and inclined deflectors under the side openings, each disposed substantially parallel with and spaced from the adjacent deflector under the central opening.

2. A top for gas and other like stoves having a central and side openings, a pair of inclined downwardly converging deflectors under the central opening having their

lower edges spaced apart, and inclined deflectors under the side openings, each disposed substantially parallel with and spaced from the adjacent deflector under the central opening, and dampers in the space between the deflectors for the purpose set forth.

In testimony whereof I affix my signature in presence of two witnesses.

ALBERT B. COLEMAN.

Witnesses:

A. Z. TILLOTSON,
M. MAXINE COBB.