

G. E. DAVIS.
DAMPER FOR GAS AND GASOLINE STOVES.
APPLICATION FILED NOV. 21, 1908.

913,626.

Patented Feb. 23, 1909.

Fig. 1.

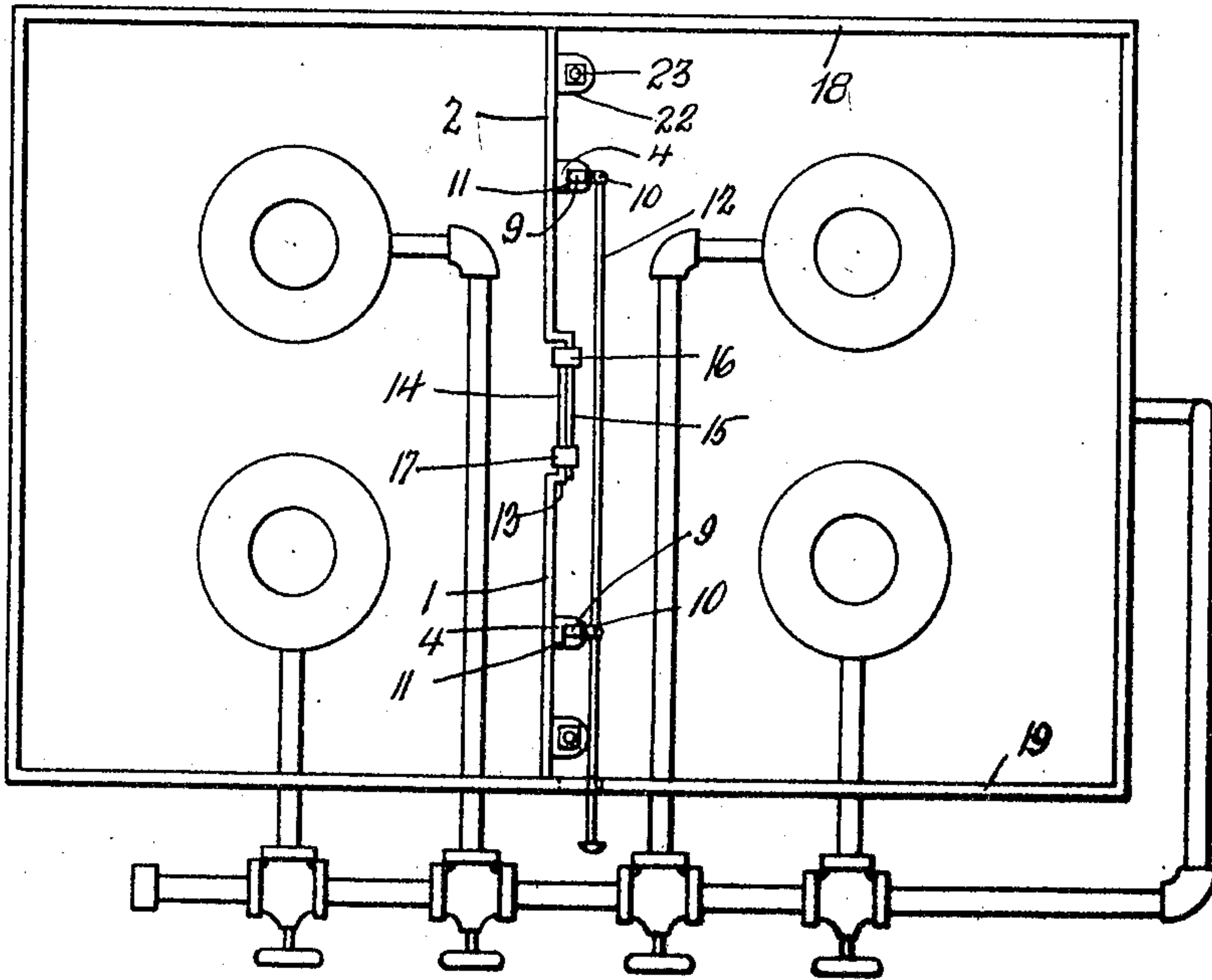


Fig. 2.

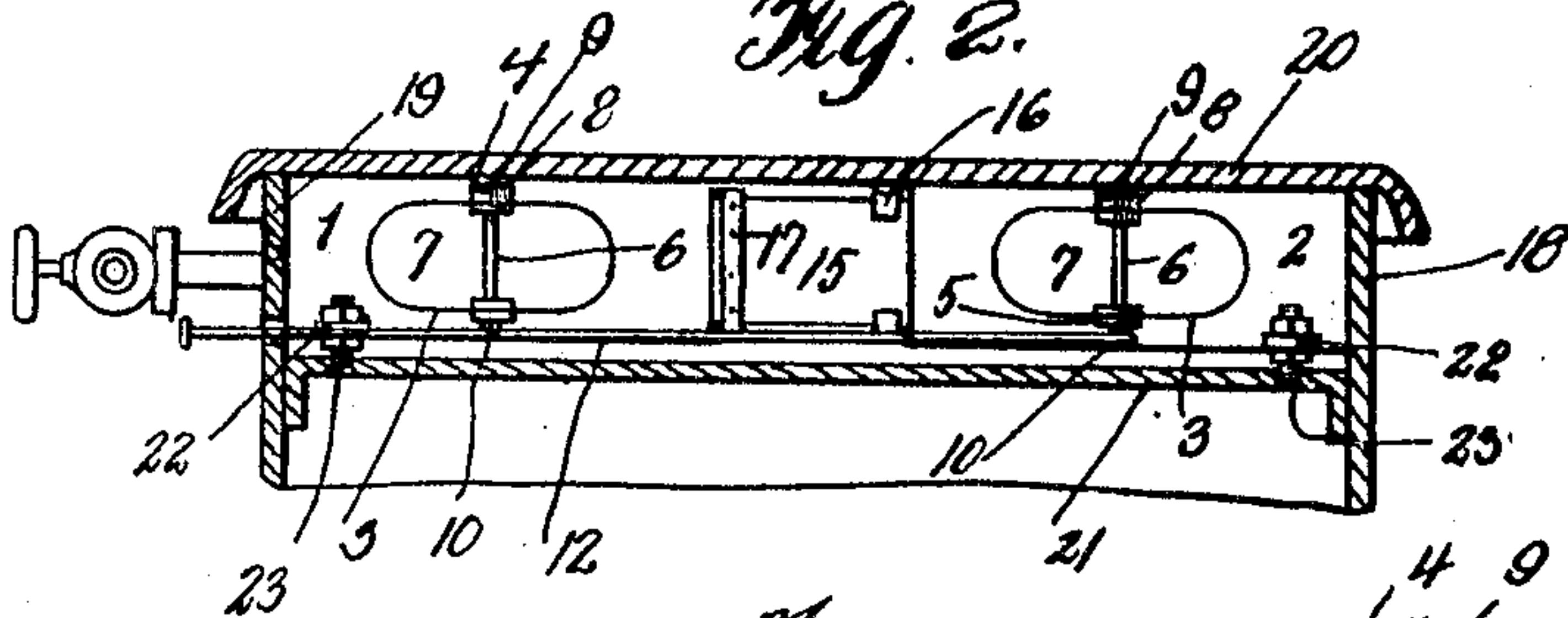
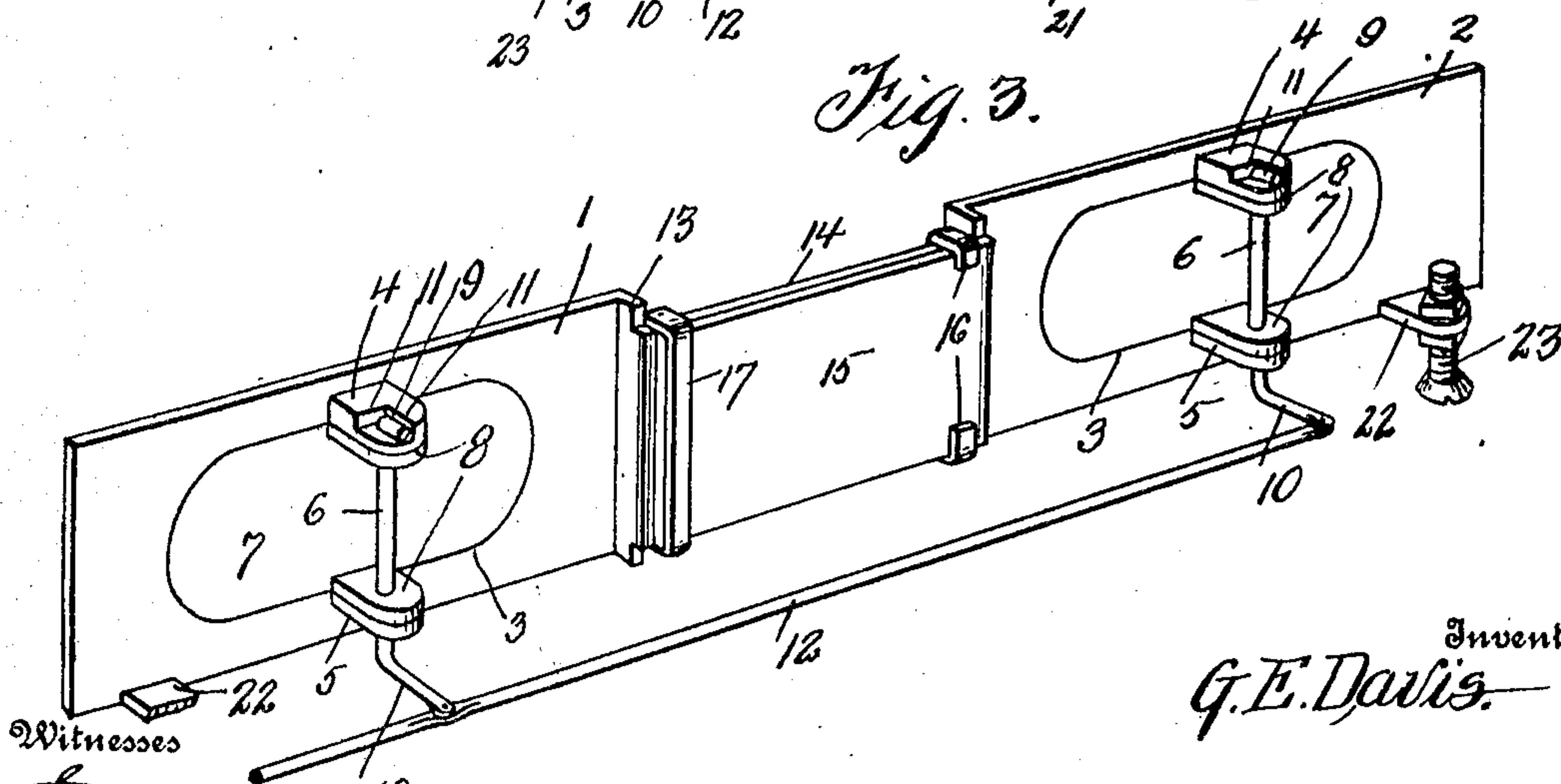


Fig. 3.



Witnesses
Samuel Payne
H. H. Butler

Inventor
G. E. Davis.

34 H. C. Everett
Attorney.

UNITED STATES PATENT OFFICE.

GEORGE E. DAVIS, OF McKEES ROCKS, PENNSYLVANIA.

DAMPER FOR GAS AND GASOLENE STOVES.

No. 913,626.

Specification of Letters Patent.

Patented Feb. 23, 1909.

Application filed November 21, 1908. Serial No. 463,781.

To all whom it may concern:

Be it known that I, GEORGE E. DAVIS, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Dampers for Gas and Gasolene Stoves, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to dampers for gas and gasolene stoves, and the object of my invention is the provision of novel means in connection with a stove of the above type, for confining the heat units in proximity to the receptacle or utensil being heated upon the stove.

Another object of my invention is to provide a detachable partition for a stove having dampers by which the dissemination of the heat can be controlled and thereby increase the efficiency of a stove for cooking purposes.

A still further object of my invention is the provision of simple and effective means in connection with the damper, for determining the position of the same from the exterior of the stove.

With the above and other objects in view which will readily appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be presently described and then claimed.

In the drawings, Figure 1 is a plan of my damper as mounted in a stove or range, Fig. 2 is a sectional view of a portion of a stove, showing the damper mechanism therein in elevation. Fig. 3 is a perspective view of the damper.

To put my invention into practice, I provide two plates 1 and 2 with oval openings 3. The plates 1 and 2, intermediate the ends of the openings 3, are provided with vertical alining lugs 4 and 5 and trunnioned between said lugs by pins 6 and dampers 7 adapted to snugly fit in the openings 3. The dampers 7 are provided with lugs 8 in which the pins 6 are fixed, whereby when said pins are rotated, the dampers 7 will be swung.

The pins 6 are provided with cranks 9 and 10, the former being at the upper ends of the pins 6 and of less length than the cranks 10. The cranks 9 are for limiting the movement of the damper 7, and these cranks are adapt-

ed to impinge shoulders 11 provided by cutting away a sector-shaped portion of the lugs 4. The cranks 10 are pivotally connected to a rod 12 employed for manipulating the dampers 7.

The confronting ends of the plates 1 and 2 are offset, as at 13 and provided with extensions 14 and 15 respectively. The end of the extension 14 is provided with a strap 16 adapted to engage the extension 15 and guide said extension, and said extension 15 is provided with a similar strap 17 for engaging and guiding the extension 14. These over-lapping extensions 14, 15, of the plates 1 and 2 permit of said plates being adjusted to fit between the walls 18 and 19 of a stove or range, between the top plate 20 thereof and the top plate 21 of the oven, dividing the burner compartment of the stove into two compartments with two burners in each compartment.

To fix the damper partition within the stove, the lower edge of the partition adjacent the ends thereof is provided with lateral lugs 22 and adjustably mounted in said lugs are screws 23 adapted to engage in the top plate 21 of the oven and hold the upper edge of the partition in engagement with the top plate 20 of the stove.

The rod 12 extends through the front wall 19 of the stove, whereby the dampers 7 can be easily opened to permit of the heat units spreading throughout the top portion of the stove.

It is obvious that when the dampers 7 are closed that the burners upon either side of the partition can be used and the heat from said burners confined in proximity thereto, thereby increasing the heating facilities of the stove for cooking purposes.

While in the drawings forming a part of this application, there is illustrated the preferred embodiments of my invention, I would have it understood that the details of construction can be varied or changed as to shape, proportion and manner of assemblage, without departing from the spirit of the invention.

Having now described my invention, what I claim as new, is:—

1. The combination with a gas stove, of a partition arranged adjacent to the burners of said stove, said partition formed in two sections having over-lapping extensions and damper openings, vertical alining lugs adja-

cent to each opening, pivot pins arranged in said lugs, dampers carried by said pins and adapted to close the openings of said partition, a rod connecting said pins for moving said dampers, means in connection with the uppermost lugs of said partition for limiting the movement of said pivot pins, and adjustable screws arranged at the lower edge of said partition for fixing said partition within said stove.

2. The combination with a gas stove, of a partition arranged adjacent to the burners of said stove, said partition formed in two sections having over-lapping extensions and damper openings, vertical alining lugs adjacent to each opening, pivot pins arranged in said lugs, dampers carried by said pins and adapted to close the openings of said partition, a rod connecting said pins for moving said dampers, means in connection with the uppermost lugs of said partition for limiting the movement of said pivot pins, and means

carried by said partition for detachably holding said partition within said stove.

3. A damper partition for stoves, comprising two plates adjustably connected together, said plates having openings formed therein, lugs carried by said plates adjacent to said openings, dampers trunnioned between said lugs, means in connection with said lugs for limiting the movement of said dampers, and means extending longitudinally of said plates for moving said dampers.

4. A damper partition for gas stoves, comprising adjustably connected plates, a damper trunnioned in each plate, and means extending longitudinally of said partition for moving said dampers.

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

GEORGE E. DAVIS.

Witnesses:

MAX H. SROLOVITZ,

A. J. TRIGG.