(No Model.)

# J. MAHEDY.

## REGULATING DAMPER FOR COOKING STOVES, &c.

No. 387,091. Patented July 31, 1888.

Fig. 1.

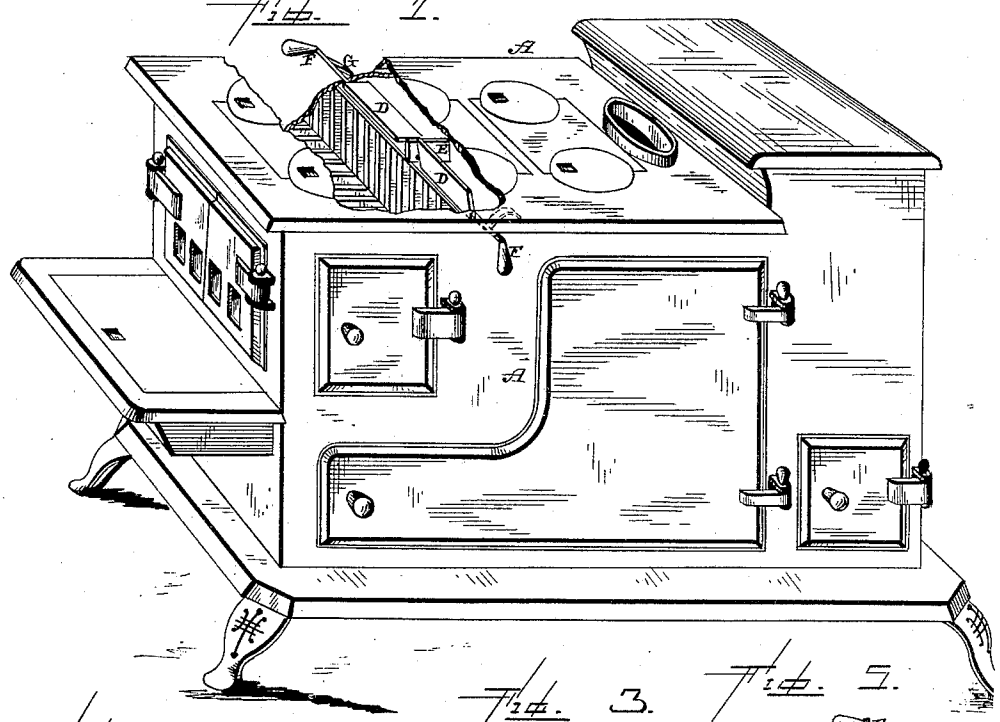



Fig. 2.

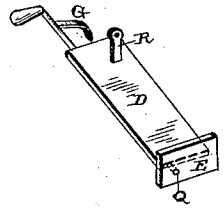



Fig. 3.

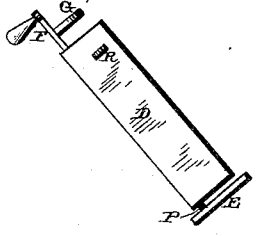



Fig. 5.

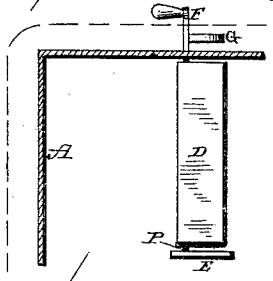



Fig. 4.

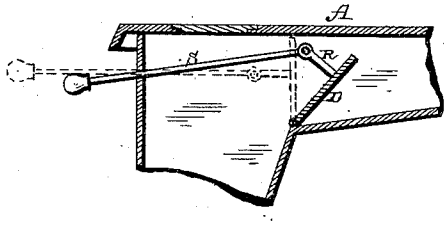
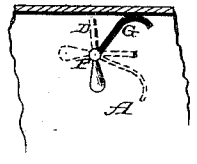



Fig. 6.




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# UNITED STATES PATENT OFFICE.

JAMES MAHEDY, OF SPERRY, IOWA.

## REGULATING-DAMPER FOR COOKING-STOVES, &c.

SPECIFICATION forming part of Letters Patent No. 387,091, dated July 31, 1888.

Application filed July 22, 1886. Serial No. 208,782. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES MAHEDY, a citizen of the United States, residing at Sperry, in Des Moines county, State of Iowa, have invented a new and useful Improvement in Regulating-Dampers for Cooking Stoves and Ranges, of which the following is a specification.

The objects of my invention are to use two dampers, which are entirely separate and distinct from each other, and which are located just back of the fire-box, so that the products of combustion can be forced to that side of the stove where the heat is most needed, and to attach to the damper-rods springs, which by frictional contact against the top of the stove will hold the dampers in any desired position.

Figure 1 is a perspective of a stove or range embodying my invention, a portion of the top of the stove being broken away, so as to show the dampers. Fig. 2 is a perspective of one of the dampers and the partition. Fig. 3 is a plan view of the same. Fig. 4 is a vertical section of the stove, showing a slight modification. Fig. 5 is a horizontal vertical section taken through the stove just above one of the dampers. Fig. 6 is a detached side view of the stove, showing the spring attached to the damper-lever.

A represents a stove or range of any desired construction, and which is provided with a vertical partition, E, of any suitable length, just back of the top rear edge of the fire-box. This partition E is located at or near the center of the stove, and is wide enough to extend from the top oven-plate up against the under side of the top plate of the stove. Located upon each side of this vertical partition E, and between the partition and the sides of the stove or range, are the dampers D, which are provided at their inner ends with journals or bearings P, which extend into opposite ends of a suitable opening, Q, made through the partition E at its lower edge. To each damper is secured a suitable handle or damper-rod, F, and secured to each handle F is a curved flat spring, G, which by bearing against the under side of the flange around the top plate of the stove serves to hold the damper in any desired position. When the damper is turned up into any desired position, the frictional contact of this spring G against the flange is sufficiently great to hold the damper in position. If it is desired to operate the damper from the front of the stove, each damper will be provided with a short rod or projection, R, which may either be formed as a part thereof or secured thereto and made to extend from it at any desired angle. Pivoted to the outer end of this rod or projection R is a handle, S, which extends across the top of the fire-box and through the front of the stove, as shown in Fig. 4. The handles F and springs G may be used in connection with the rods S, as shown in Fig. 3; or they may be used entirely separate and distinct, as may be preferred.

By the use of the partition E and the dampers D, located upon each side of it, the products of combustion can be forced toward either side of the stove where the heat is most needed. The dampers are located just back of the fire-box, so that all the products of combustion can be made to pass to either side of the stove, which cannot be done where the damper is located at the back part of the stove in the usual manner. When the dampers are pushed back against the top plate of the oven, the products of combustion will pass backward toward the pipe equally upon each side of the partition E; but should one of the dampers be raised, all of the products of combustion will be made to pass from the fire-box along one side of the stove only. If it is not desired to heat the oven, both dampers can be partially raised, and then the products of combustion will be deflected upward against the top plate of the stove and heat it more than the top plate of the oven.

Having thus described my invention, I claim—

The combination, with a stove or range, of the vertical partition E, and the dampers D, placed upon opposite sides thereof and provided with handles F, and the springs G, the springs being made to bear against the flange of the top plate of the stove, so as to hold the dampers in position, substantially as shown and described.

JAMES MAHEDY.

Witnesses:
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E. REGIER.