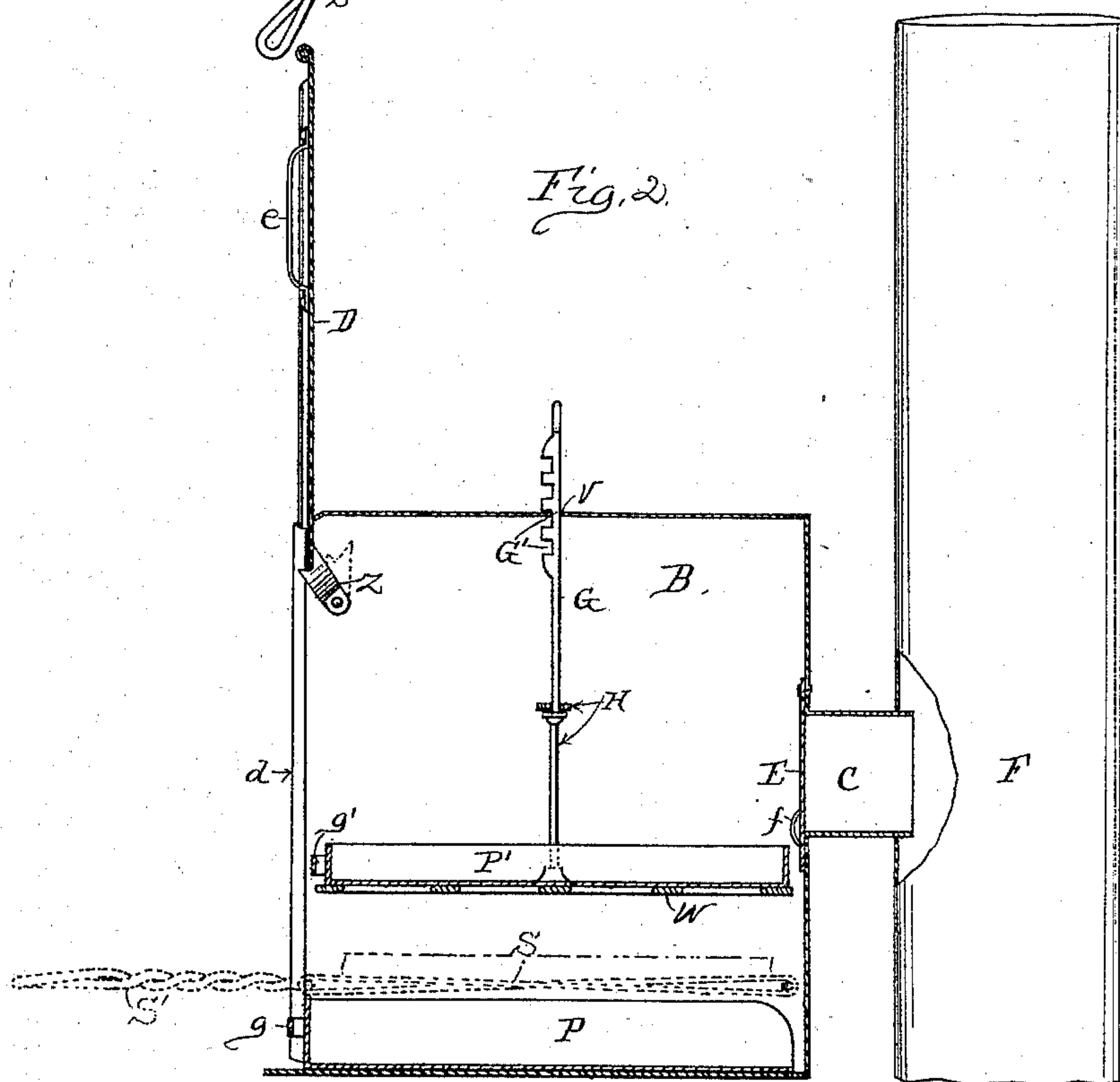
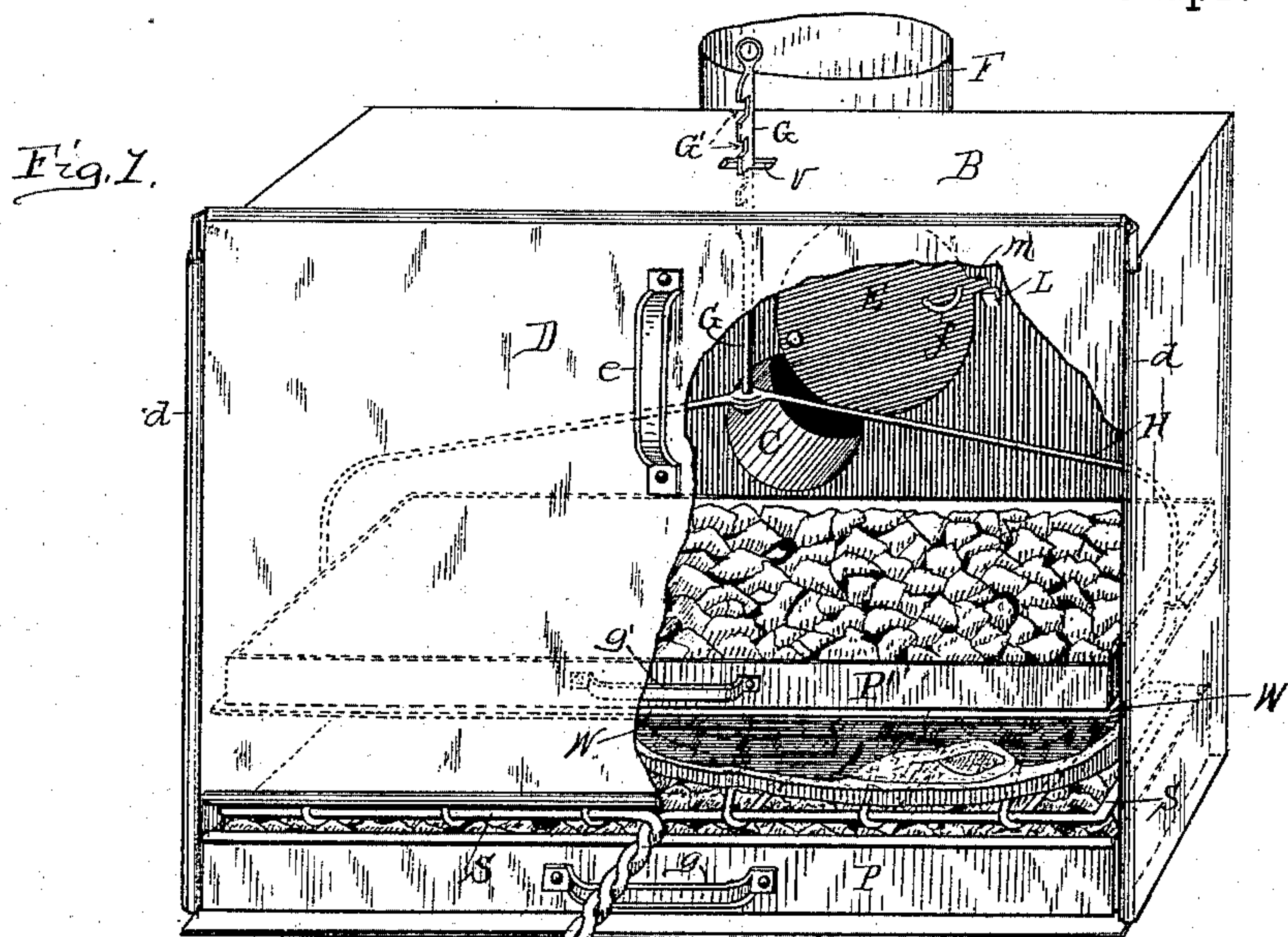


(No Model.)

T. J. MILLER.
BROILING APPARATUS.

No. 495,507.

Patented Apr. 18, 1893.



Witnesses.
W. C. Hutchins.
J. H. Poore.

Inventor,
Theresa J. Miller,
By Wm J. Hutchins
att'y.

UNITED STATES PATENT OFFICE.

THERESA J. MILLER, OF WICHITA, KANSAS.

BROILING APPARATUS.

SPECIFICATION forming part of Letters Patent No. 495,507, dated April 18, 1893.

Application filed January 9, 1893. Serial No. 457,762. (No model.)

To all whom it may concern:

Be it known that I, THERESA J. MILLER, a citizen of the United States of America, residing at Wichita, in the county of Sedgwick and State of Kansas, have invented certain new and useful Improvements in Broiler Apparatus, of which the following is a specification, reference being had therein to the accompanying drawings, and to the letters of reference thereon, forming a part of this specification, in which—

Figure 1. is a perspective elevation of the apparatus, having a portion of its sliding door broken away to show the interior construction, and Fig. 2. is a cross-sectional elevation of the same.

This invention relates to certain improvements in a furnace apparatus designed especially for broiling meat, and consists essentially in the construction and arrangement of means whereby two pans or beds of live coals are supported, one a little distance above the other, in such manner that the meat may be placed between the two pans or beds of live coals where it is subjected to the influence of the heat from said two pans or beds of coals, thus simultaneously broiling each side of the meat; which improvements are fully set forth and explained in the following specification and pointed out in the claims.

Referring to the drawings B represents the furnace case, which is preferably made of sheet metal, and consists of a bottom, top, a rear side and ends, and is provided at its front with a vertically sliding door D, of the same material made to travel in vertical guides *d*. of the case, and provided with a hand grip *e* for opening and closing it, and within the case, at one or both ends, is a pivoted catch Z (see Fig. 2.) which, when the door is raised, may be twined to come under the door to hold it against closing, when such is desired. The side or rear wall of the said case is provided with a flue C extending laterally therefrom and in use is adapted to enter into a flue F, (commonly a stove pipe,) through a hole made for that purpose. Within the case pivotally secured to said side or rear wall is a swinging damper E, swung from a rivet placed centrally above flue C, so that by gravity said damper may hang directly over and cover the exit to said flue, or may be swung to one side,

as shown in Fig. 1, where it may be held by means of an extending lug or tongue *m* thereof engaging and resting upon a latch lug L of the case wall; the damper being further provided with a loop piece *f* which is adapted to be engaged by a poker or like implement; for adjusting the position thereof.

P represents a pan, preferably made of sheet metal, and is placed within the case B upon the bottom thereof, and is for the purpose of holding a bed of coals, and as a means of placing or removing said pan it is provided with a front hand piece *g*.

W represents a grate, preferably made of cast metal, and is provided with a bale H and is suspended within case B, a distance above pan P by means of said bale, and a notched rod G which rod is swiveled, at its lower end, with said bale, and extends, at its upper portion through a slot *v* of the case top where it is provided with the series of side notches G', and when turned so said notches extend in the direction of the length of slot *v*, it may be either raised or lowered, through said slot, to vertically adjust the grate W, and when the proper adjustment is had, by turning said rod so its notches will extend laterally with the length of said slot, the metal projection between the notches, of said rod, will then overreach the case top metal and thus support the grate, subject however to various adjustments within the limit of said notches.

P' represents a second pan, preferably made of sheet iron, and is placed upon grate W, and is provided at its front with a hand piece *g'* for placing and removing it, and is for the purpose of holding a bed of coals.

S represents the boiler iron, or meat holder, and is preferably made of wire, and is provided at its front with a handle piece S' by means of which it may be grasped and placed in and removed from the furnace case.

In use a bed of live coals is placed in each pan P and P'; the damper at such times being swung to one side and latched so the flue exit may be open; the meat is then placed upon the broiler iron or holder S, and together with said iron or holder, placed within the furnace between said pans of live coals, as represented in Fig. 1. by full lines and in Fig. 2 by dotted lines, when the door D is lowered to rest upon the handle S' of the said

iron or holder S, which supports the door a sufficient distance above pan P to admit of draft to aid in keeping the coals alive. The meat thus placed has both sides thereof subjected simultaneously to the influence of the heat of said pans or beds of live coals and consequently is broiled on both sides simultaneously, which action of heat at once sears the entire outer surface of the meat and thoroughly prevents the escape of the juices thereof, and further not only facilitates in rapidly broiling the meat, but obviates the result of permitting one side from toughening while the other side is broiling, as is the result in the use of the ordinary broiler.

It is obvious that, during the time of broiling all gases and fumes caused thereby, pass off through the exit flue, and are discharged without the building where the apparatus is used.

A char-coal fire may be made in the pans P. P'. with the same result as described. When through using the apparatus the damper E may be swung down to close the exit to flue C, and thus cut-off the draft at the said flue, which will result in permitting the coals to die, and thereby preserve them for future use, instead of permitting them to be exhausted.

Having thus described my invention, what I claim as new and useful, and desire to secure by Letters Patent, is as follows:

1. The broiling apparatus comprising the case provided with the door and with the exit flue; and the two pans for holding coals, wherein one pan is supported a distance above the other pan, substantially as and for the purpose set forth.

2. The broiling apparatus described comprising the case provided with the sliding door, and with the exit flue having a damper for closing the same; the pan placed on the bottom of the case for holding coals, and the pan adjustably suspended within the case for likewise holding coals, substantially as and for the purpose specified.

3. The combination with the case B provided with the door D and exit flue C having the damper E; of the pan P, the adjustably suspended grate W, and the pan P' arranged upon said grate, substantially as and for the purpose specified.

4. In the broiling apparatus described in combination with the exit flue F; the case B, the exit flue C thereof, and the damper E adapted to be held to one side to open said case exit, or to hang to close the same, substantially as and for the purpose specified.

5. In the broiling apparatus described in combination with the case B provided with the door D and flue C; the pans P and P' supported one at a distance above the other, and the removable broiling iron or holder adapted to be placed between said pans, substantially as and for the purpose set forth.

6. In the broiling apparatus described in combination with the case B provided with the slot *v* in the top thereof; the grate W, the bail H thereof and the notched rod G for adjustably supporting said grate, substantially as and for the purpose set forth.

THERESA J. MILLER.

Witnesses:

WM. J. HUTCHINS,
F. H. POORE.