Nov. 29, 1927. 1,650,859

F. ANDERSON

STOVE ATTACHMENT

Filed May 3, 1926 2 Sheets-Sheet 1

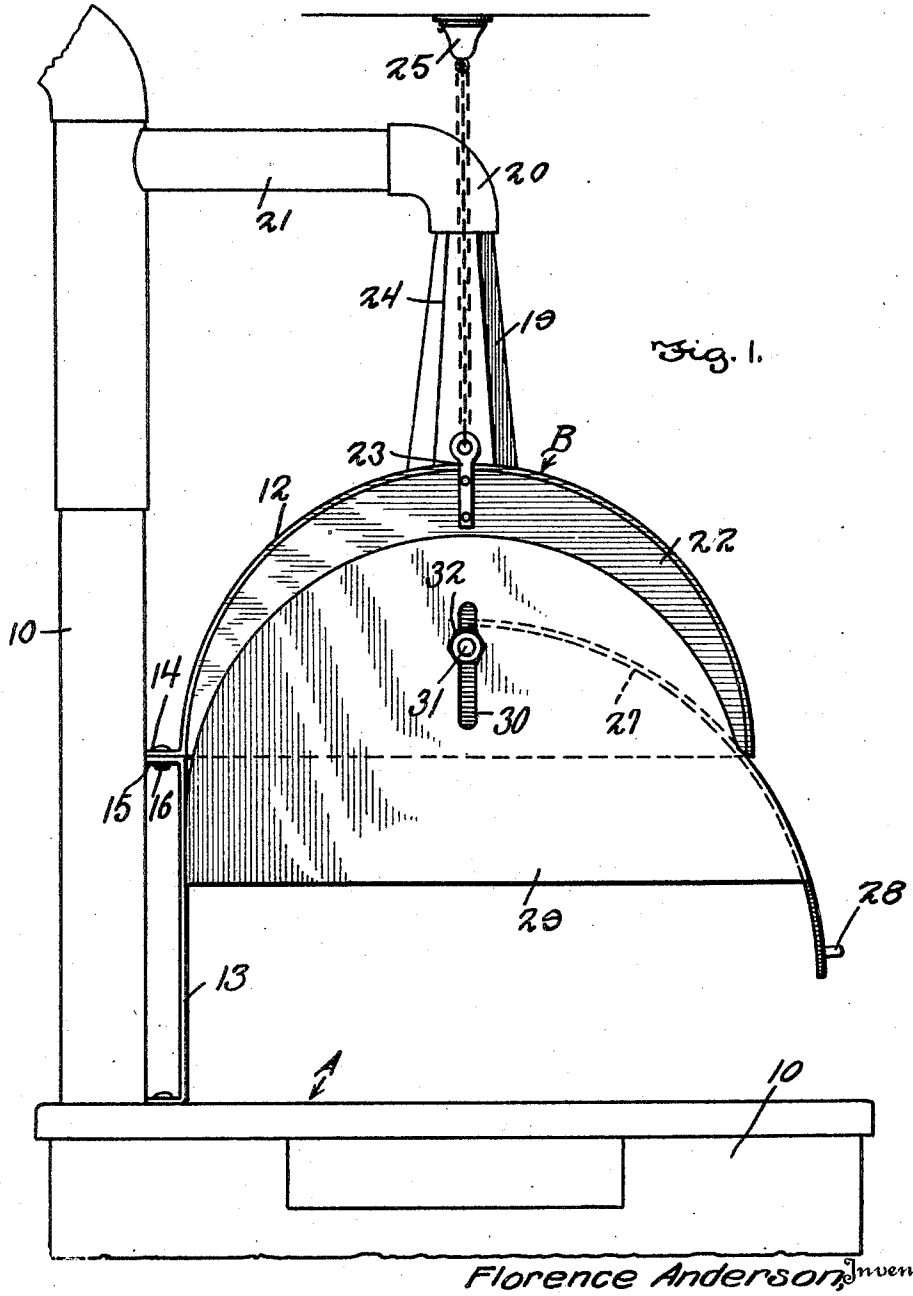


Fig. 1.

Florence Anderson, Inventor

Witnesses
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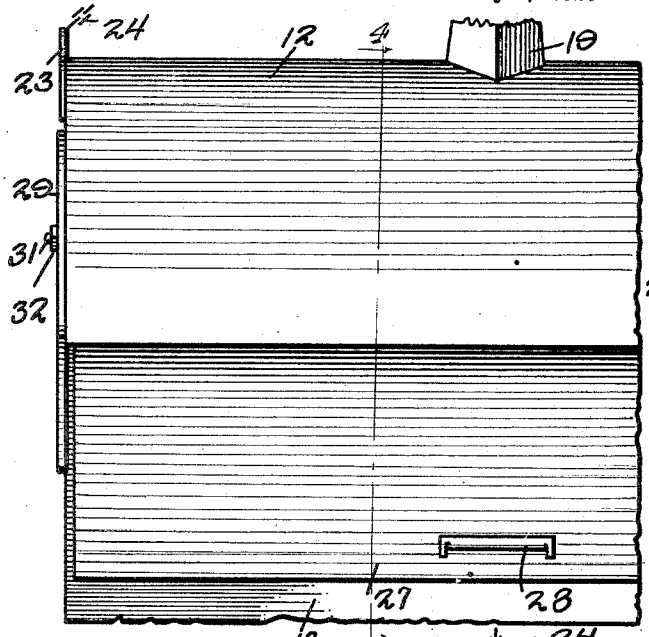


Fig. 2

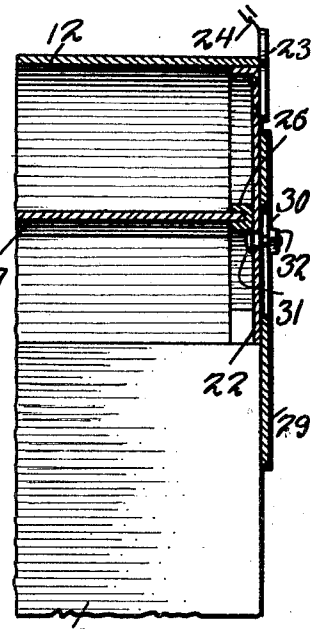


Fig. 3.

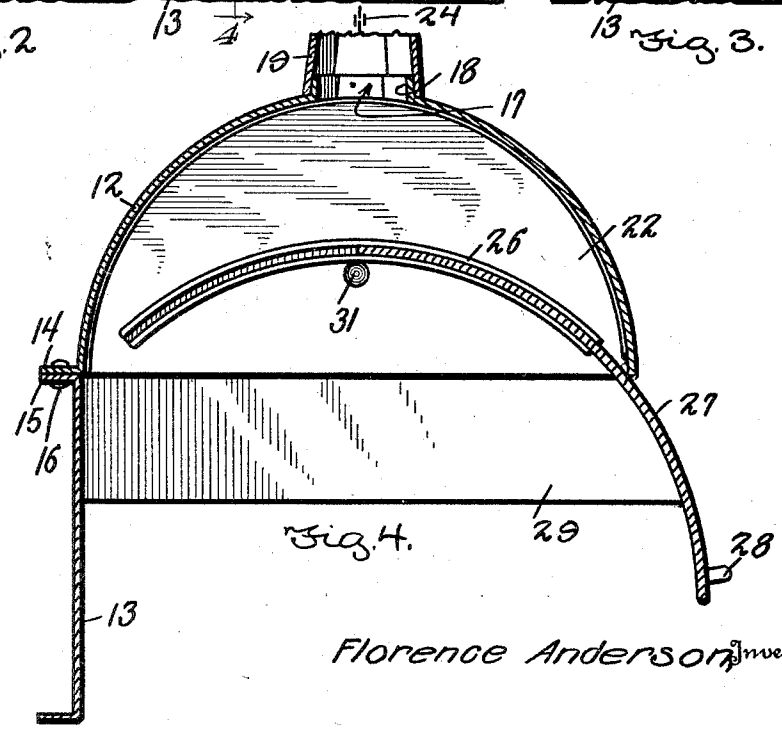


Fig. 4.

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UNITED STATES PATENT OFFICE.

FLORENCE ANDERSON, OF CHANDLER, MINNESOTA.

STOVE ATTACHMENT.

Application filed May 3, 1926. Serial No. 106,508.

This invention relates to new and useful improvements in attachments for stoves and has for its primary object the provision of an attachment which will collect and carry off any smoke issuing from the stove as well as the odors from the food being cooked.

Another object of the present invention is to provide a device of the character stated which may be readily and easily applied to both gas and wood stoves now in use and which will effectively perform the functions set forth above.

Another object of the present invention is to provide a device for the purpose stated including adjustable side plates and a sliding cover which may be moved toward and away from the stove as may be desired.

A further object of the present invention is to provide an attachment which while simple in construction, is nevertheless strong and durable, which is cheap to manufacture and which may be placed on the market at a reasonable cost and one which is well designed for the purposes for which it is intended.

With these and other objects in view, the invention resides in the novel construction, combination and formation of parts as will be more fully hereinafter set forth, illustrated in the accompanying drawings and particularly pointed out in the appended claims.

In the drawings forming a part of this application and wherein like characters of reference denote corresponding parts throughout the several views:

Figure 1 is a side view of an attachment constructed in accordance with the present invention and shown in association with a stove.

Figure 2 is a front view of a portion of the stove attachment per se.

Figure 3 is a central vertical sectional view through a portion of the attachment showing the construction and arrangement of the adjustable side plates and the cover.

Figure 4 is a sectional view taken on line 4—4 of Figure 2.

Reference now being had more particularly to the accompanying drawings, wherein for the purpose of illustration has been disclosed a preferred embodiment of the present invention, the letter A generally represents a stove of any conventional or preferred construction and B the present improved attachment associated therewith. The stove A embodies generally the body 10 of any desired construction and from which extends the usual flue 11, the upper end of which communicates with the house chimney.

The attachment B is adapted to be supported directly above the body 10 of the stove and embodies in its construction the longitudinally extending hood 12 which is curved in a front to rear direction, the rear end being supported by means of a suitable support 13, which preferably comprises a plate extending the entire length of the hood, the rear side of the top of the hood 12 and the upper end of the support 13 being provided with flanges 14 and 15 through which are passed suitable securing elements such as bolts or rivets 16. The top of the hood 12 is provided intermediate its ends with an outlet opening 17, surrounded by the upstanding annular flange 18 over which is adapted to be secured the lower end of the tapering flue 19 which, if desired, may be of ornamental configuration. The upper end of the said flue 19 has fitted thereto an elbow 20 and this elbow communicates with the flue 11 through the medium of the horizontal flue section 21.

The hood 12 is further provided at its opposite ends with end walls 22 and secured to the outer surfaces of the said end walls adjacent the upper ends thereof are the vertically extending bracket arms 23 to which are connected the lower ends of suitable chains or other flexible elements 24, the upper ends of said chains being connected to suitable ornamental fixtures 25 secured to the ceiling of the room in which the stove is located. Thus, it will be seen that effective and novel as well as attractive means is provided for supporting the opposite ends of the hood.

Secured to the inner faces of the end walls 22 are the upwardly curved channeled guides 26 within which are slidably mounted the opposite ends of the curved adjustable hood section 27 provided with a suitable handle 28 to facilitate the opening and closing thereof. It will be noted that the hood section 27 extends beyond the forward end of the hood and is adapted to be adjusted towards or away from the stove to constitute a forward extension of the top of the hood.

Side plates 29 are disposed against the outer sides of the end walls 22 of the hood

and constitute guiding means for the cover 27, said plates also extending beyond the forward side of the hood 12 as shown in the drawings. Each of the plates 29 is provided with a vertically disposed slot 30 adapted to receive a bolt 31 carried by the respective end wall 22, the outer end of said bolt being provided with a nut 32. It will therefore be seen that the plates 29 may be raised or lowered as may be found desirable and that the nuts 32 will effectively retain said plates in positions of adjustment.

From the foregoing, it will be understood that when the attachment B is installed upon the stove A in the manner shown in Figure 1 of the drawings, the smoke from the stove as well as the odors from the food being cooked will be collected by the hood and conveyed to the flue 11 through the flue 19 and its section 21. This attachment will consequently prevent the accumulation of soot and grease on the walls of the room. The attachment may, with very slight modifications, be applied to various types of stoves.

Should it be found desirable, due to excessive smoke or odors, the plates 29 may be lowered and the hood section 27 pulled outwardly and downwardly to more effectively prevent the escape of smoke or odors to the room.

Certain types of stoves are provided with warming closets and when it is desired to use the attachment in connection with such a type of stove, the bracket 13 is dispensed with entirely and the attaching flange 14 of the hood 12 is secured directly to the said warming closet.

While there has been illustrated and described a preferred embodiment of the present invention, it is to be understood that changes in the details of construction thereof may be resorted to without departing from or sacrificing the spirit of the invention so long as such changes fall within the scope of the appended claims.

What is claimed is:

1. An attachment for stoves comprising a hood including a top having an outlet therein and end walls carried by said top, vertically adjustable side plates carried by said end walls, means carried by said end walls and passing through said side plates for securing the same in adjusted position, and a cover section carried by the said hood.

2. An attachment for stoves comprising a hood including a top curved from front to rear having an outlet in the upper side thereof, end walls extending downwardly from the said top, vertically adjustable side plates carried by said end walls and provided with slots therein, and bolts carried by the said end walls and received through the said slots for retaining the said side plates in positions of adjustment.

3. An attachment for stoves comprising a hood including a top curved from front to rear and having an outlet in the upper portion thereof, end walls carried by said top, vertically adjustable side plates carried by said end walls and provided with slots, bolts carried by said end walls and passing through the slots in the said side plates, and nuts upon the said bolts engaging said side plates for retaining the same in adjusted position.

4. An attachment for stoves comprising a hood including a top curved from front to rear and having an outlet in its upper portion intermediate its front and rear sides, end walls carried by said top, curved channeled guideways upon the inner sides of said end walls, a hood section curved from front to rear and slidably mounted within said guideways and projecting forwardly of the top of the hood, bolts passing through the end walls, side plates mounted upon said bolts outwardly of said end walls and adapted to be raised and lowered, and nuts upon said bolts engaging said plates for retaining the same in positions of adjustment.

5. An attachment for stoves comprising a hood including a top having an outlet in the upper portion thereof and end walls depending from the top, vertically adjustable side plates carried by the said end walls, and a hood extension slidably adjustably mounted beneath the said top and between the side walls to be adjusted to project forwardly beyond the top of the hood and to extend between the said side plates in the lowered positions of adjustment of the said plates.

In testimony whereof I affix my signature.

FLORENCE ANDERSON.