Feb. 23, 1926. 1,574,713

L. SULZBACH

GREASE ABSORBER

Filed Dec. 15, 1923

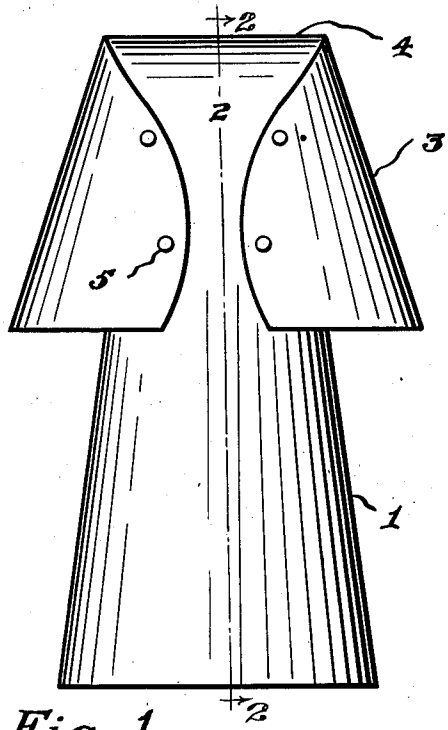


Fig. 1.

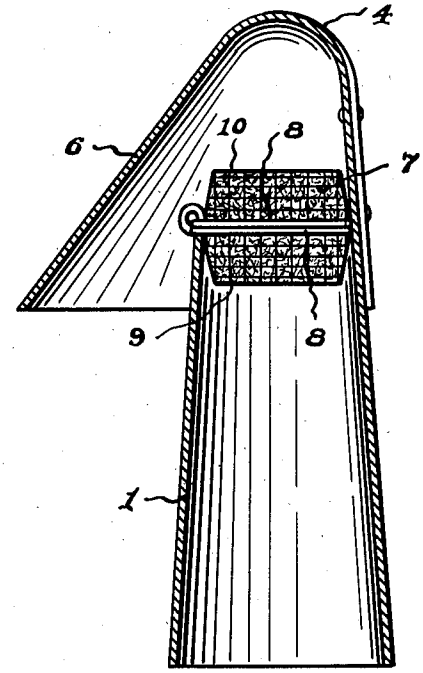


Fig. 2.

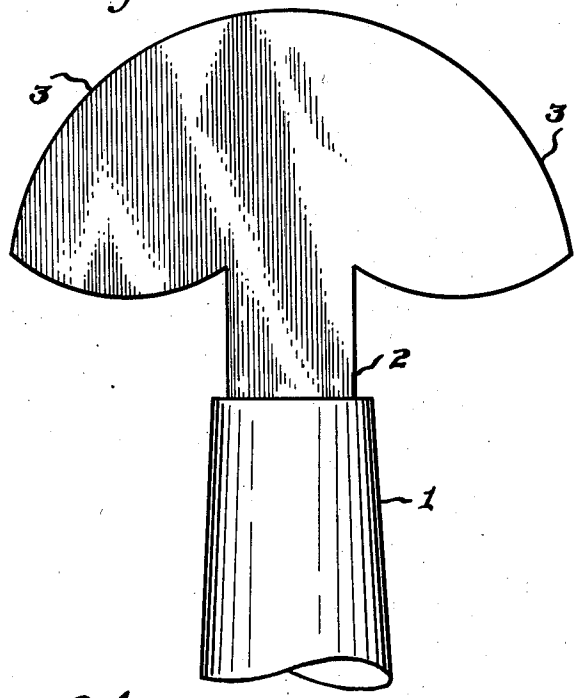


Fig. 3.

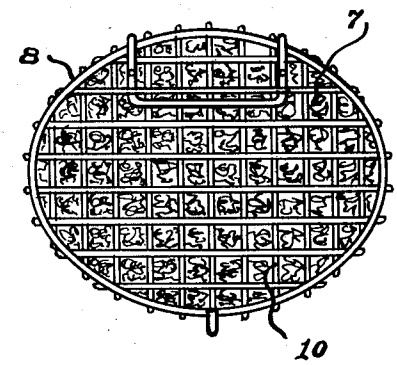


Fig. 4.

WITNESS:

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Patented Feb. 23, 1926. 1,574,713

UNITED STATES PATENT OFFICE.

LOUIS SULZBACH, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO CALORIC GAS STOVE WORKS, OF PHILADELPHIA, PENNSYLVANIA.

GREASE ABSORBER.

Application filed December 15, 1923. Serial No. 681,013.

To all whom it may concern:

Be it known that I, LOUIS SULZBACH, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented new and useful Improvements in Grease Absorbers, of which the following is a specification.

This invention relates to an absorber for the waste products of combustion generated by gas stoves, and an object of the invention is to provide a device of this nature which will absorb the grease and other waste products of combustion from a gas stove, and prevent soiling of the ceiling or walls adjacent to the stove.

Another object of this invention is to provide an absorber for the waste products of combustion from a gas stove, which includes a length of pipe adapted to be mounted upon the outlet from the oven of a gas stove, which includes a cowl on its upper end provided for directing any grease or waste products of combustion which might pass through the absorber or mineral wool or the like which is mounted in the upper end of the pipe, downwardly upon the upper surface of the stove from which it can be readily cleaned.

A further object of the invention is to provide a device as specified in which the cowl is formed integrally with the length of pipe providing an article which may be stamped from sheet metal and assembled in a relatively quick and easy manner, for providing an article which may be manufactured and sold at a comparatively low cost.

Other objects of the invention will appear in the following detail description, and in the accompanying drawings wherein:

Figure 1 is a rear elevation of the improved absorber for the waste products of combustion of a gas stove.

Figure 2 is a longitudinal section taken on the line 2—2 of Figure 1.

Figure 3 is a reduced front elevation of the device before the cowl has been folded over and riveted.

Figure 4 is a detail view of the removable container for containing the absorbing material.

Referring more particularly to the drawings, the improved device comprises the main pipe 1 which is shown in the drawings as tapering from its lower to its upper end. However, this piece of pipe may be of equal diameter throughout, if it is so desired, without departing from the spirit of this invention. The pipe 1 is preferably made of sheet iron or analogous material, such as commonly employed in making stove pipes, and it has a longitudinally extending extension 2 on its side and projecting outwardly from the upper end thereof. The extension 2 has a cowl forming portion 3 formed integrally with its upper end, and the extension 2 is curved forwardly over the upper end of the pipe 1 in a relatively abrupt curve, as shown at 4, to project the portion 3 downwardly and outwardly at an acute angle to the extension 2 to provide the downwardly and outwardly inclining skirt or cowl. The edge portions of the portion 3 are curved to lie flat against the outer surface of the extension 2 to which they are riveted, as shown at 5, thereby providing the cowl 6 which overhangs the upper open end of the pipe 1 and forms a complete obstruction for the upper passage of waste products of combustion and any foreign matter carried upwardly through the pipe 1, redirecting this matter downwardly so that it will be deposited on the top of the stove (not shown) from which it can be cleaned with comparative ease. An absorber 7 is removably placed in the upper open end of the pipe 1 and this absorber includes a body 8 formed of a pair of hingedly connecting sections, each of which is formed of foraminous material or wire netting, so as to permit free circulation therethrough. Any suitable structure may be provided for holding the hinged sections 9 and 10 in closed relation, and the body 8 is filled with a suitable absorbent, such as mineral wood or analogous material.

By providing the removable body 8 which may be opened, the absorbent material may be removed for replacement by clean material or for the purpose of cleaning when desired, and when necessary.

It is, of course, to be understood, that the invention may be constructed in various other manners and the parts associated in different relations, and therefore, I do not desire to be limited in any manner, except as set forth in the claim hereunto appended.

What I claim is:

As a new article of manufacture, a direc-

tor for the waste products of combustion of a gas stove formed of a single piece of sheet metal shaped to provide a pipe, an extension projecting upwardly from one side of said pipe and a downwardly and outwardly inclining cowl carried by said extension and overhanging the upper open end of said pipe, a foraminous body removably mounted in the upper open end of said pipe, and an absorbent in said body, said body being composed of a hingedly connected section to permit removal of the absorbent therefrom.

In testimony whereof I affix my signature.

LOUIS SULZBACH.