

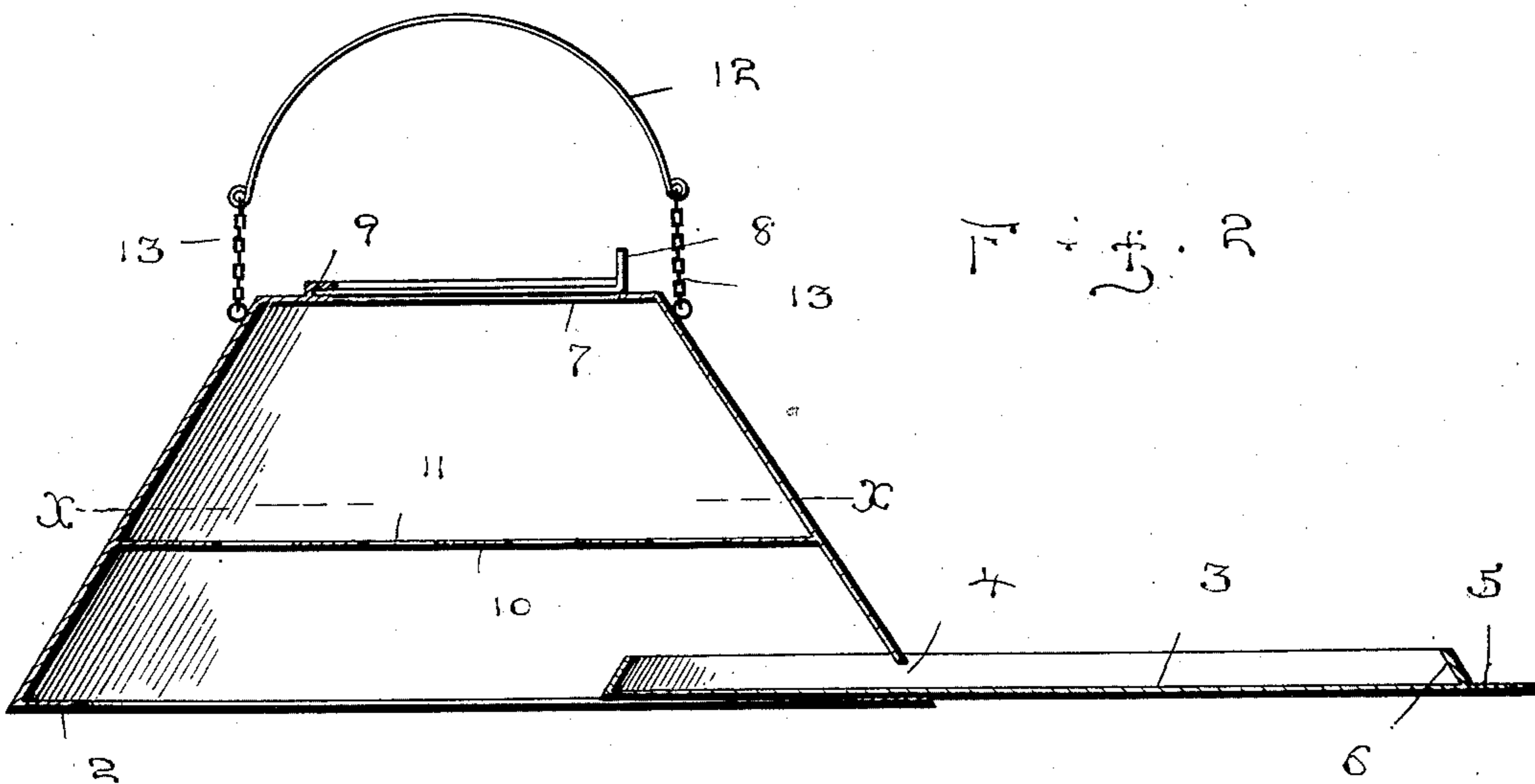
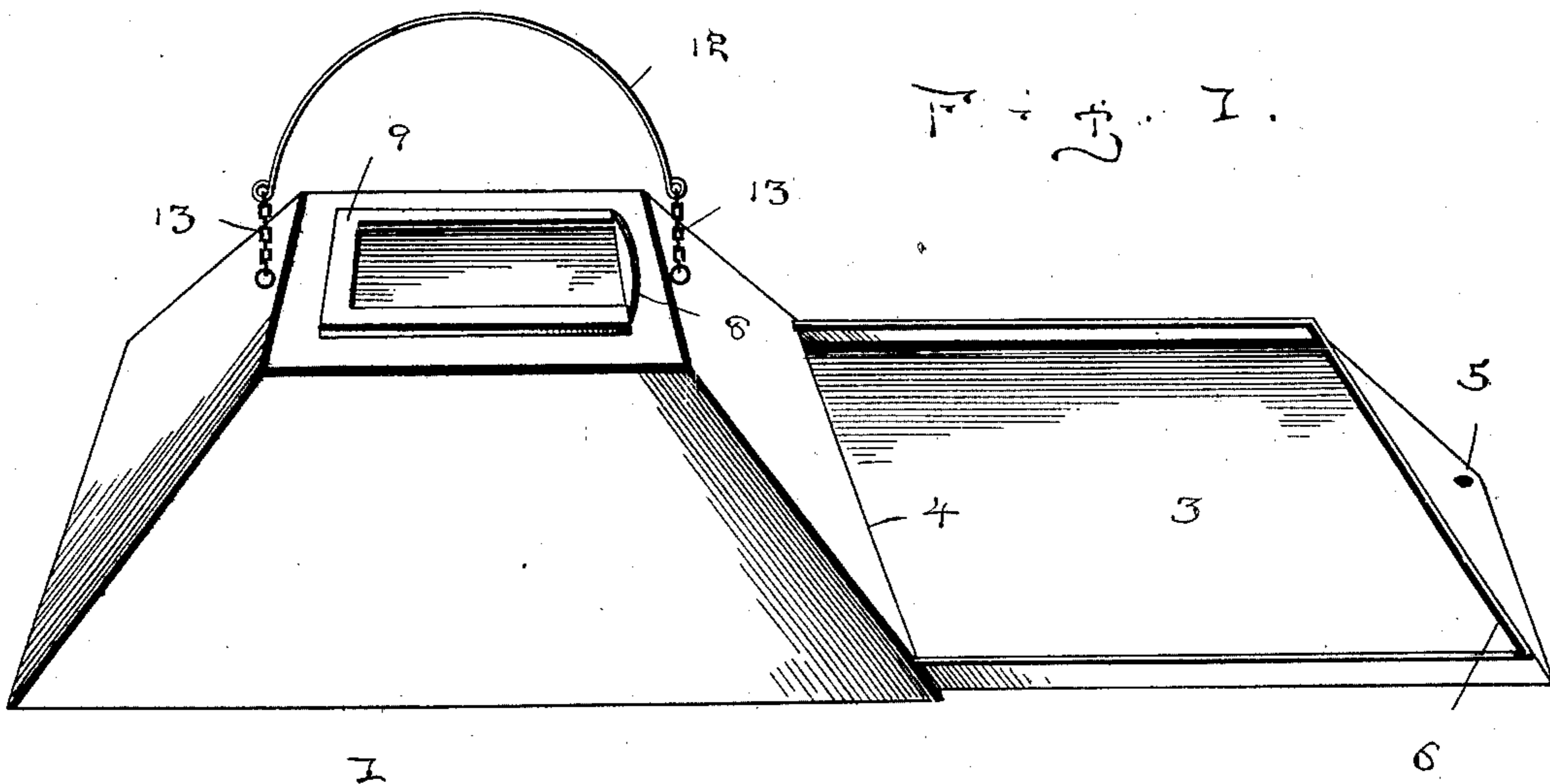
No. 731,985.

PATENTED JUNE 23, 1903.

M. WARREN.
HOOD FOR STOVES.
APPLICATION FILED JAN. 28, 1903.

NO MODEL.

2 SHEETS—SHEET 1.



Witnesses
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Herbert D. Lawson.

Mary Warren, Inventor
Victor J. Evans, Attorney

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2 SHEETS—SHEET 2.

Fig. 3.

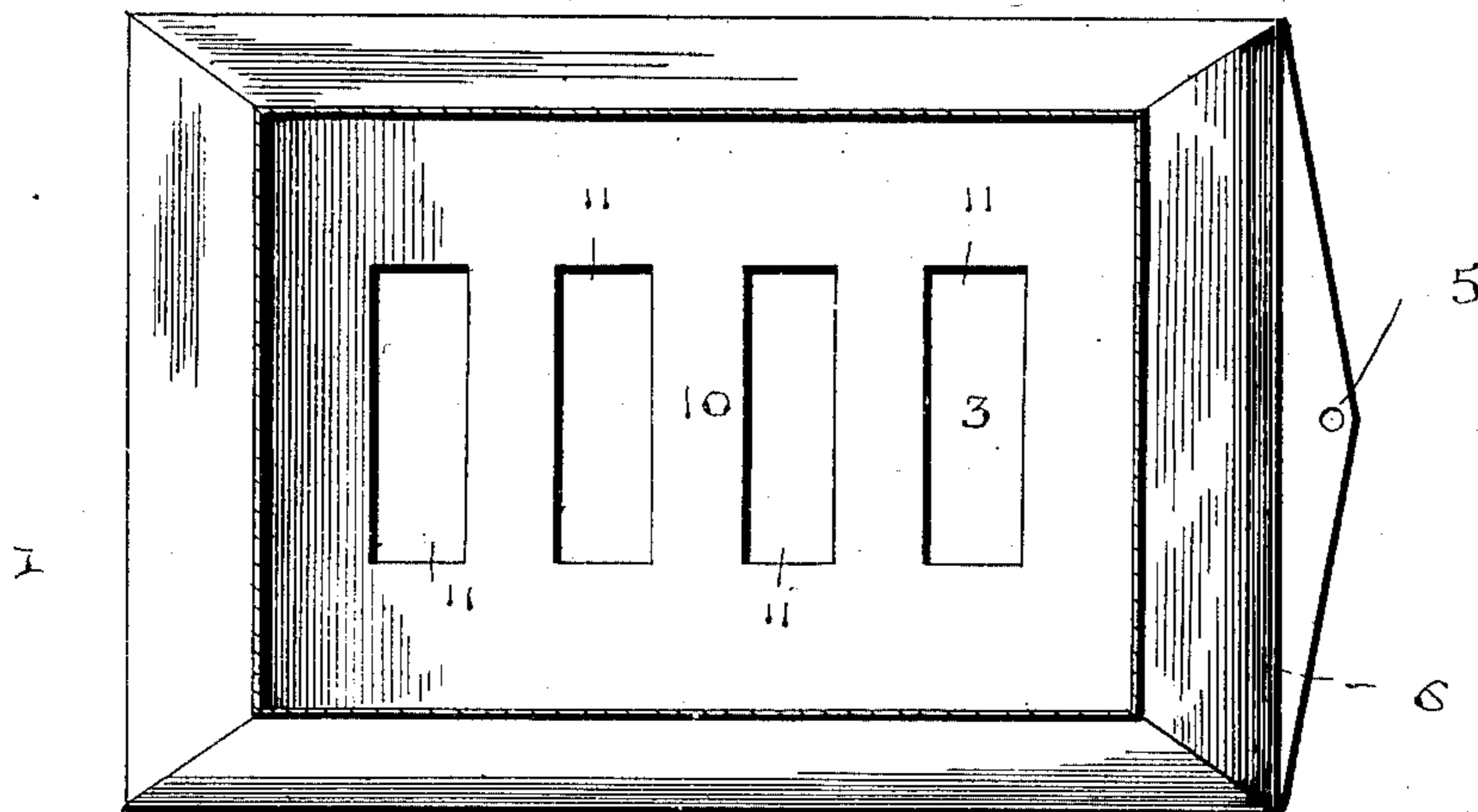
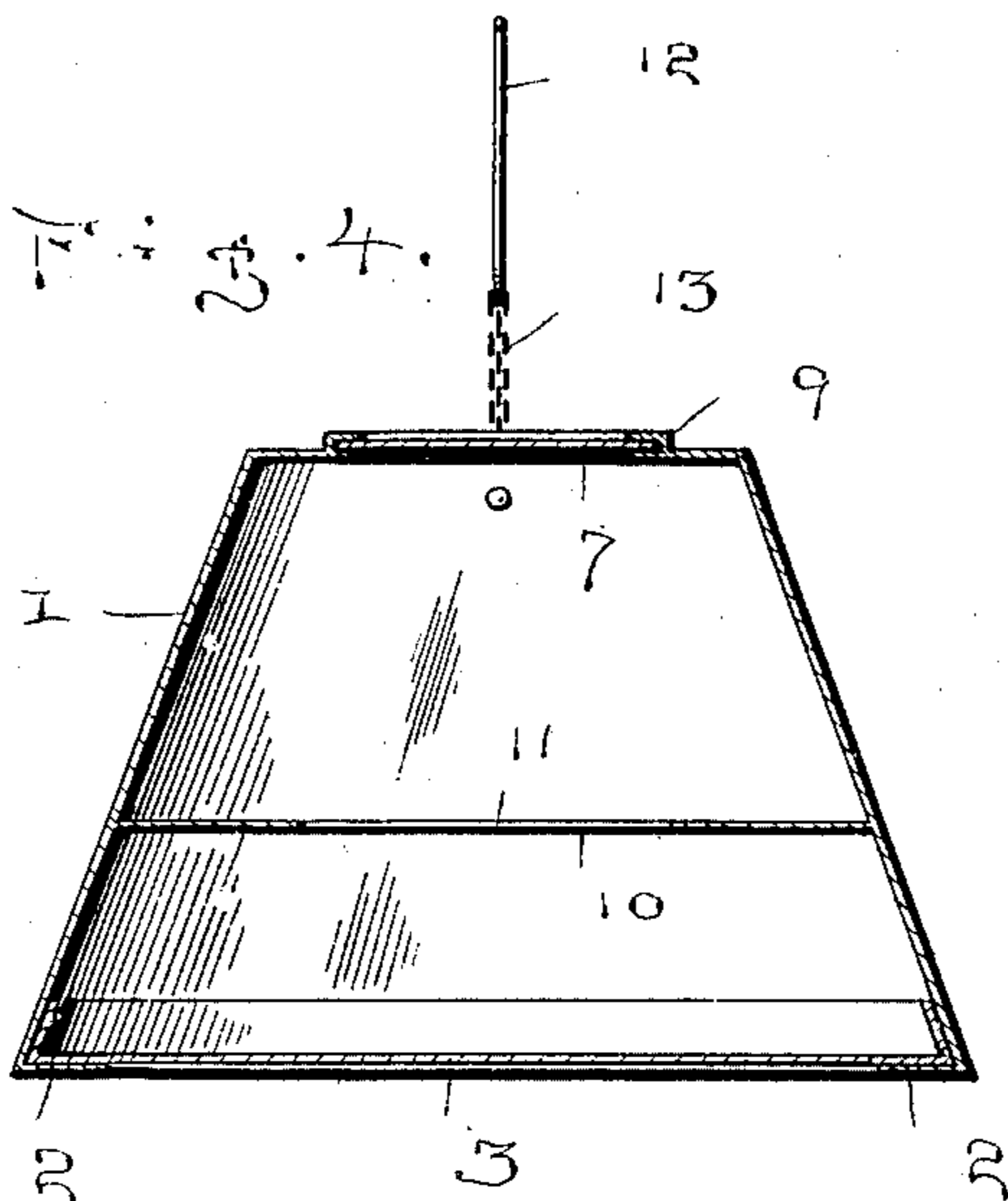


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

MARY WARREN, OF BATTLECREEK, MICHIGAN.

HOOD FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 731,985, dated June 23, 1903.

Application filed January 28, 1903. Serial No. 140,910. (No model.)

To all whom it may concern:

Be it known that I, MARY WARREN, a citizen of the United States, residing at Battlecreek, in the county of Calhoun and State of Michigan, have invented new and useful Improvements in Hoods for Stoves, of which the following is a specification.

My invention relates to new and useful improvements in hoods for stoves; and its object is to provide a device of simple construction which is especially adapted to receive the smoke arising from newly-lighted gasolene-stoves and prevent the commingling of the same with the surrounding atmosphere.

The invention consists in providing a preferably-tapered hood, the bottom of which is adapted to be closed by means of a slide, while an aperture is formed within the top and also provided with a sliding closure. A partition is arranged within the hood at a suitable point therein and is provided with a suitable number of apertures, whereby the smoke received in the hood is permitted to pass upward to the top thereof, and all soot or other particles are held in position within the hood.

The invention also consists in the further novel construction and combination of parts hereinafter more fully described and claimed, and illustrated in the accompanying drawings, showing the preferred form of my invention, and in which—

Figure 1 is a perspective view of the hood with the bottom opened. Fig. 2 is a vertical section therethrough. Fig. 3 is a section on line *xx*, Fig. 2, and showing the bottom closure in position; and Fig. 4 is a vertical transverse section through the closed hood.

Referring to the figures by numerals of reference, 1 is a hood, preferably frusto-pyramidal in form and the lower end of which is open and inclosed by an inwardly-extending flange 2. This flange is adapted to support a slide 3, mounted within a slot 4, formed within one end of the hood, at the bottom thereof, and an extension 5 is arranged at the outer end of the slide, whereby the same may be readily operated by hand. When the slide 3 is in position over the bottom of the hood, the slot 4 is closed by a flange 6, arranged upon the upper surface of the slide.

It will be seen that flange 6 extends entirely around slide 3 and forms a tray.

An aperture 7 is formed within the top of the hood and is normally closed by a slide 8, mounted in guides 9. At a point within the hood is arranged a horizontal partition 10, having apertures 11 therein. A handle 12 of suitable form may be connected to the sides of the hood, and in the drawings I have shown chains 13 employed for attaching the ends thereof to the hood. It is a well-known fact that a dense smoke is generated by gasolene or other similar stoves prior to the vaporization of the gasolene. By opening the slide 3 and closing the aperture within the top of the hood my improved device can be suspended above a stove, and the smoke arising therefrom will pass upward through the apertures 11 and within the partition 10. The air contained within the hood will be displaced by the lighter gases coming from the stove, and any soot or other particles carried by said gases will be deposited upon the partition 10 or upon the walls of the hood. The hood is preferably of sufficient size to hold all of the smoke usually arising from oil-stoves when the same are first lighted. After all the smoke has been received thereinto the slide 3 is moved into closed position, and the hood can be removed from the house and both slides opened to permit the air to circulate through the hood. The smoke contained therein will be carried outward, and any soot or other particles that may have accumulated therein can be removed in any suitable manner. The device is then in condition to be again used in the manner hereinbefore described.

By providing a combined slide and tray for closing the bottom of the hood any particles which may be deposited upon the tray after the same has been moved into position under the partition will be carried outward thereon when the hood is opened and will not be scraped therefrom, as would be the case where a flat closing-slide is employed.

In the foregoing description I have shown the preferred form of my invention; but I do not limit myself thereto, as I am aware that modifications may be made therein without departing from the spirit or sacrificing any

of the advantages thereof, and I therefore reserve the right to make such changes as fairly fall within the scope of my invention.

Having thus described the invention, what
5 is claimed as new is—

1. A hood of the character described having an inlet in the bottom thereof, a flange inclosing said inlet, a slide mounted upon the flange and adapted to be supported thereon
10 and close the inlet, a partition within the hood parallel with the slide and having apertures therein, a handle to the hood, an outlet in the top of the hood, and a slide for normally closing the outlet.

15 2. A hood of the character described having an inlet in the bottom thereof and a slot

adjacent to said inlet, a flange inclosing said inlet, a combined slide and tray mounted within the slot and upon the flange and adapted to be supported upon the flange and simultaneously close the slot and inlet, a partition within the hood having a series of apertures therein, a handle to the hood, and a slide for normally closing an outlet in the top of the hood and above the partition. 25

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

MARY WARREN.

Witnesses:

GOLDIE STARKEY,
C. L. ASHLEY.