

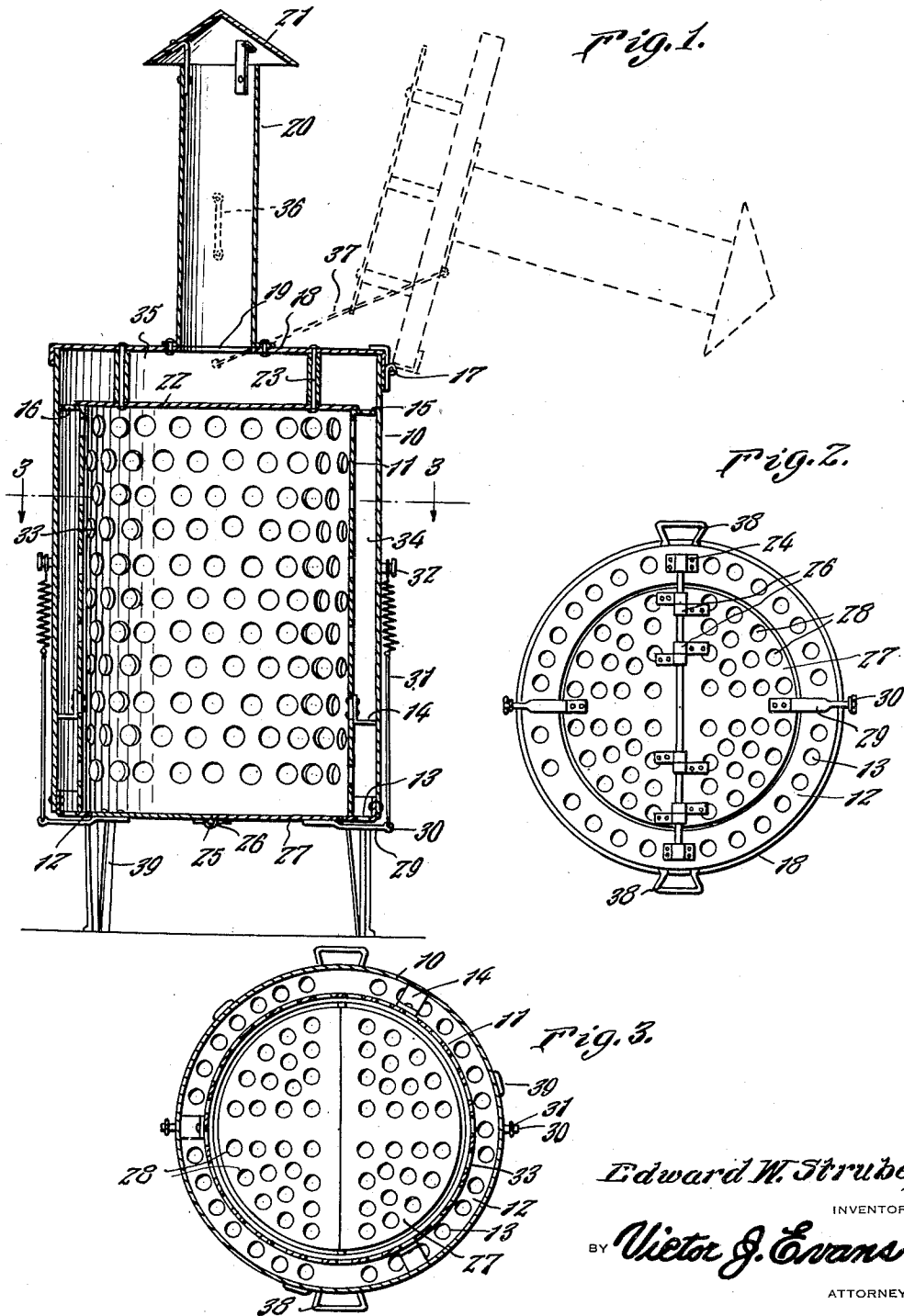
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INCINERATOR

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INCINERATOR

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This invention relates to improvements in incinerators especially designed for household and other uses, whereby small quantities of trash and garbage may be frequently and conveniently disposed of.

An object of the present invention is to provide an incinerator which is wind and rain proof and within which flame and sparks will be effectually confined, so that danger of fire from the disposal of trash and garbage will be eliminated.

Another object of the invention is the provision of an incinerator having a maximum amount of draft so that slow burning trash and garbage will be readily consumed.

Another object of the invention is the provision of an incinerator of novel construction, which may be conveniently opened for the insertion of the material to be disposed of, and from which the ashes may thereafter be readily dumped.

With the above and other objects in view, the invention further includes the following novel features and details of construction, to be hereinafter more fully described, illustrated in the accompanying drawings and pointed out in the appended claims.

In the drawings:—

Figure 1 is a vertical sectional view showing the incinerator constructed in accordance with the invention, the open position of the incinerator being shown by dotted lines.

Figure 2 is a bottom plan view.

Figure 3 is a section on the line 3—3 of Figure 1.

Referring to the drawings in detail wherein like characters of reference denote corresponding parts, the reference character 10 indicates the outer casing of the incinerator and 11 the inner casing. The outer casing is open at the bottom and this opening is defined by a flange 12 which extends inwardly from the lower edge of the outer casing and is provided with perforations 13. The inner casing 11 is also open at the bottom and rests upon the flange 12. This inner casing is of less diameter than the outer casing and is spaced therefrom by means of spacing lugs 14, while extending outwardly from the top of the inner casing is a flange 15 which also

acts to space the inner and outer casing. The inner casing 11 is shorter than the outer casing 10 and the flange 15 is provided with perforations 16.

Hingedly secured to the outer casing as shown at 17 is a top or cover 18. This top or cover is provided with an outlet opening 19 which is surrounded by an upwardly extending flue 20. A cap 21 is mounted upon and spaced above the upper end of the flue so as to provide an outlet for the products of combustion. The top or cover 18 carries a supplemental cover 22 which is adapted to close the top of the inner casing 11, securing devices 23 being provided whereby the supplemental cover 22 is carried by the cover 18.

Extending diametrically across the bottom of the incinerator with its opposite ends mounted in attaching members 24, is a hinge rod 25. Hingedly mounted upon this rod by means of straps 26 are oppositely extending closures 27 which normally close the opening in the bottom of the incinerator. These closures 27 are provided with perforations 28.

Extending from the closure members 27, outwardly beyond the outer periphery of the outer casing 10, are arms 29. These arms are provided at their outer ends with eyes 30 and secured in these eyes are the lower ends of springs 31. The upper ends of these springs are attached to a headed stud 32 or other suitable attaching means carried by the outer casing of the incinerator. The closure members 21 will thus be normally held in closed position, but may be conveniently opened by pressing downward upon the arms 29 so as to dump the ashes or contents of the incinerator.

By opening the incinerator as indicated by the dotted lines in Figure 1 of the drawings, the material to be disposed of may be inserted. The incinerator is then closed and the material ignited. A draft will be provided upward through the openings 28 and outward through openings 33 provided in the inner casing 11, the draft passing upward through an annular draft passage 34 provided between the inner and outer casings, and through the openings 16 into the draft

passage 35 provided between the cover 18 and the supplemental cover 22 and thence outward through the flue 20. The openings 13 in the flange 12 provide for a suction through the passage 34 so as to increase the draft through the inner casing.

The flue 20 is provided with a handle 36 by means of which the incinerator may be conveniently opened, outward movement of the covers 18 and 22 being limited by a chain or cable 37. Handles 38 extend from opposite sides of the outer casing for convenience in handling, while the incinerator is supported upon lugs 39.

The invention is susceptible of various changes in its form, proportions and minor details of construction and the right is herein reserved to make such changes as properly fall within the scope of the appended claims.

Having described the invention what is claimed is:—

1. An incinerator comprising an outer casing, an inner casing having its sides and top spaced from the sides and top of the outer casing to provide draft passages, said casings having inlet and outlet openings, a cover hingedly secured to the outer casing and carrying a flue, and a supplemental solid cover carried by and spaced from the first mentioned cover and providing a closure for the inner casing.

2. The combination with an incinerator having an outer casing and an inner casing of a pair of oppositely-extending centrally-hinged closure members for the bottom of the inner casing, arms extending from the hinged closure members beyond the periphery of the outer casing and springs attached to said arms and said outer casing for normally holding the closures in closed position.

3. The combination in an incinerator of an outer casing open at the bottom and having an inwardly-extending perforated annulus along its bottom periphery, an inner casing open at the bottom and resting upon said annulus and having an outwardly-extending annulus around its top periphery to space it from the outer casing, said last named annulus being perforated, a top being hingedly secured to the outer casing and provided with an outlet opening surrounded by an upwardly-extending flue, said top also carrying a supplemental cover adapted to close the top of the inner casing to direct the heat and smoke around its edges before entering said flue.

4. The invention as in claim 3, there being oppositely-extending perforated closures hinged to a rod extending across the bottom of the inner container.

In testimony whereof I affix my signature.
EDWARD W. STRUBE.