Nov. 8, 1927. 1,648,119

M. H. HALLETT

GARBAGE INCINERATOR

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Fig. 1

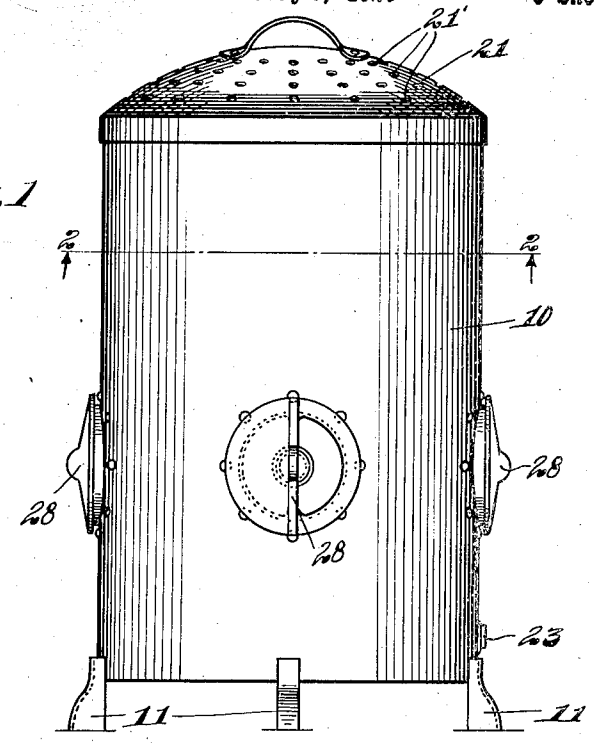
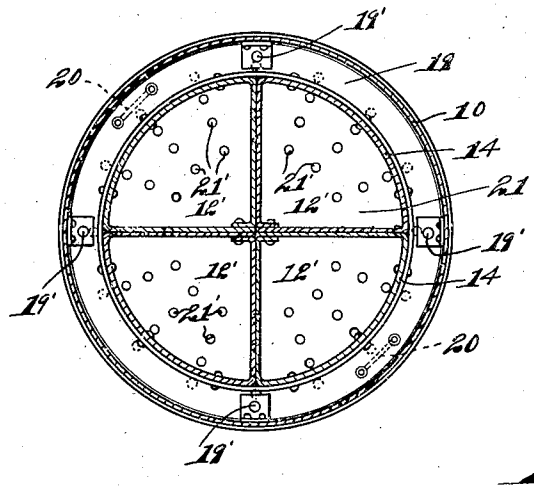


Fig. 2



Witnesses:
E. E. Wessels
E. A. Po

Inventor:
Maude H. Hallett,
By Joshua R. H. Potts
Her Attorney.

Nov. 8, 1927.

1,648,119

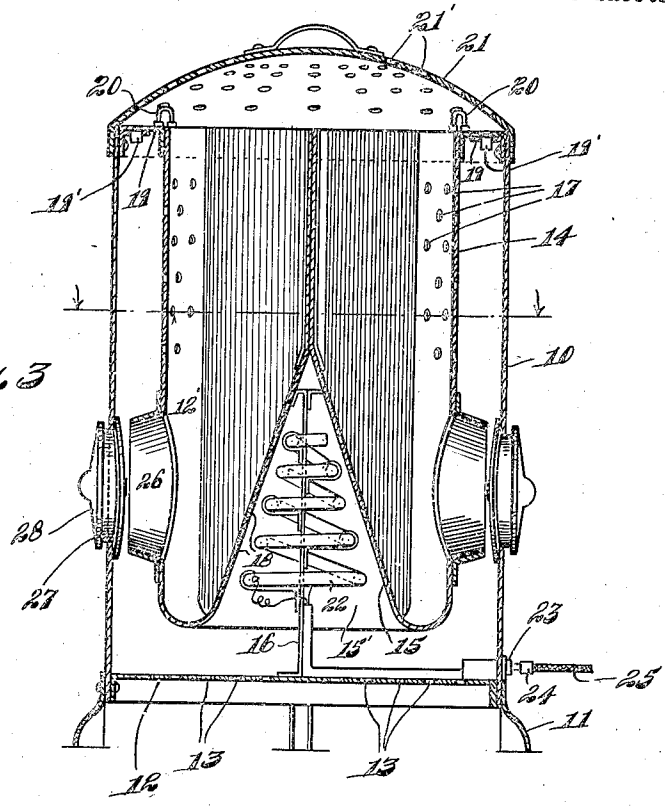
M. H. HALLETT

GARBAGE INCINERATOR

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Fig. 3



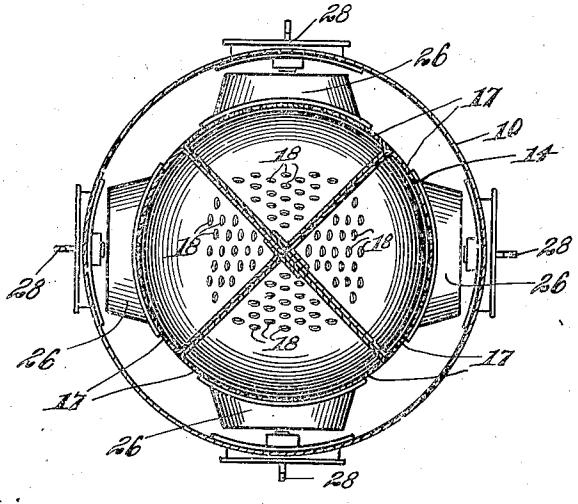


Fig. 4

Witnesses:
E. E. Wessels

Inventor:
Maude H. Hallett,
By Joshua R. H. Scott
her Attorney.

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M. H. HALLETT

GARBAGE INCINERATOR

Filed July 6, 1926 3 Sheets-Sheet 3

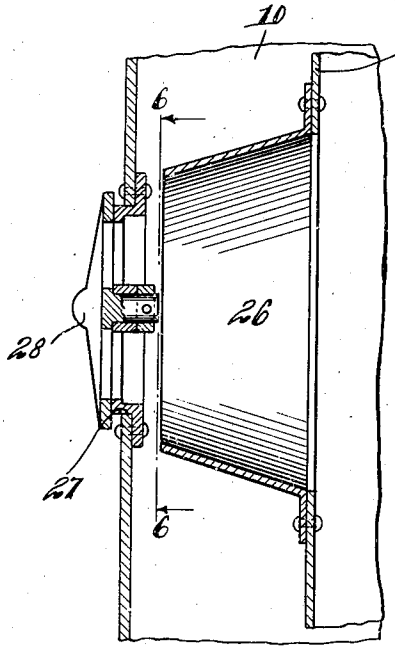


Fig. 5

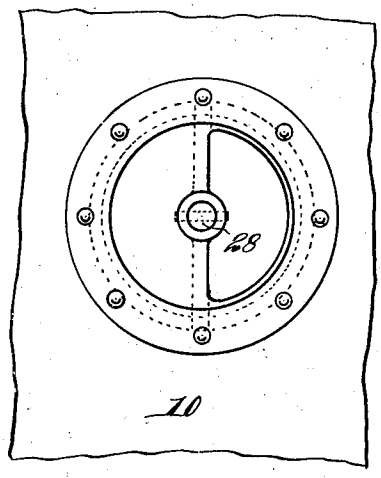


Fig. 6

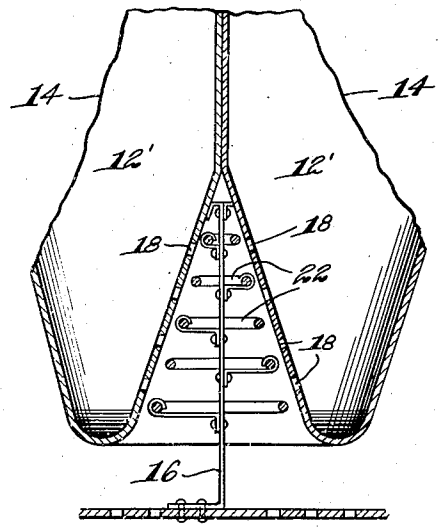


Fig. 7

Witnesses:
C. E. Wessels
E. C. Rost

Inventor.
Maude H. Hallett,
By Joshua R. H. Potts
her Attorney.

Patented Nov. 8, 1927. 1,648,119

UNITED STATES PATENT OFFICE.

MAUDE H. HALLETT, OF OAK PARK, ILLINOIS.

GARBAGE INCINERATOR.

Original application filed September 30, 1925, Serial No. 59,496. Divided and this application filed July 6, 1926. Serial No. 120,556.

My invention relates to new and useful improvements in garbage incinerators, designed especially for drying and incinerating garbage, refuse and the like, and the main object of my invention is to provide an incinerator device which will embody certain desired features of simplicity, efficiency and convenience, and which will be economical in manufacture and durable in use.

The subject matter of my present application comprises a division of my application for Letters Patent of the United States, filed September 30, 1925, Serial No. 59,496, in which the claims were directed to an electric incinerator.

Other objects will appear hereinafter.

The invention consists in the combinations and arrangements of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings, forming a part of this specification, and in which,

Fig. 1 is an elevational view of my incinerator;

Fig. 2 is an inverted horizontal sectional view thereof, taken on the line 2—2 of Fig. 1;

Fig. 3 is a vertical sectional view through the incinerator;

Fig. 4 is a horizontal sectional view taken on the line 4—4 of Fig. 3;

Fig. 5 is an enlarged detail view of a side opening or port for igniting the dried material within the incinerator;

Fig. 6 is a vertical view taken on the line 6—6 of Fig. 5; and,

Fig. 7 is an enlarged detail view of the lower part of the receptacle, this view showing in particular the heating chamber extending upwardly into the body of the receptacle.

With more particular reference to the accompanying drawings, wherein for the purpose of illustration I have shown the preferred embodiment of my invention, the numeral 10 designates an outer casing, substantially cylindrical in form, and having supporting legs 11 and a bottom 12 with perforations 13 fastened to its lower end.

14 designates an inner container or receptacle characterized by having an inner upwardly extending conical portion 15 designed to produce a heating chamber 15′ of conical form which extends upwardly into the body of the receptacle from its bottom end. The inner container or receptacle 14 is removably mounted in the casing as by means of a bracket member 16, which rises from the bottom 12. Openings or perforations 17 are preferably provided around the receptacle 14 and similar perforations 18 are provided in the conical portion 15; while the lower part of the receptacle is preferably retained unperforated to prevent the liquids of the contents from flowing onto the bottom 12. According to a feature of my invention, the receptacle 14 is preferably made in a plurality of parts or compartments 12′ so that either one or more may be filled according to the amount of material to be incinerated therein at a time and these compartments may be retained separable or may be fastened together, so as to be removable from the casing either individually or together, as desired.

A spacing member 19 with guiding means 19′ is provided at the upper end of the receptacle and handles 20 are also provided for withdrawing the receptacle from the casing. A cover or lid 21 is placed upon the top of the casing and this cover or lid is preferably provided with perforations 21′.

Any suitable means for heating the device or drying the garbage therein contained may be employed, that herein disclosed comprising electric means, preferably in the form of coils 22 mounted on brackets 16 and extending upwardly in conical form within the cone-shaped part 15 of the receptacle; and socket means 23 is provided on the container 10 for receiving a plug 24 on an electric conductor 25 for providing the electric current to the incinerator.

By means of this construction, the garbage placed in the compartments of the receptacle is rapidly and fully dried, and the electric current may be continued sufficiently long to entirely desiccate the contents to a small dry residue which may be emptied therefrom and used as a fertilizer, if desired, or it may be ignited with a match or in any desirable manner.

For the purpose of igniting desiccated residue or remnants in the compartments, I preferably provide at points opposite the heating chamber 15′ a port on each chamber 12′, each of said ports extending from its compartment outward to an opening 27 provided in the casing; and a turnable cover 28 is provided on the casing for either registering with the opening 27 of the casing and

the port 26, or for closing the opening 27, as best indicated in Fig. 1.

In the above mentioned application, Serial No. 59,496, of which the present application is a division, claims were made for a garbage incinerator, which claims included the electric heating means illustrated and described herein, and hence the omission of such claims from this application is not to be considered as an abandonment of the subject matter.

While I have illustrated and described the preferred form of construction for carrying my invention into effect, this is capable of variation and modification without departing from the spirit of the invention. I, therefore, do not wish to be limited to the precise details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claims.

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

1. A device of the class described comprising a casing having a perforated bottom and open top; a receptacle composed of a plurality of compartments, removably mounted in said casing and arranged with a heating chamber extending upwardly into its body from its lower end; means for imparting heat to said receptacle and arranged in said heating chamber; registerable openings in the side of said casing and receptacle at points opposite said upwardly extending heating chamber; and a perforated cover for said receptacle and casing, substantially as described.

2. A device of the class described comprising a casing provided with radially disposed, normally closed openings; a receptacle mounted therein, composed of a plurality of compartments; the bottoms of said compartments jointly comprising a heating chamber extending upwardly into the body of the receptacle; openings in said compartments registering with said radially disposed openings in said casing; and heating means extending into said heating chamber.

3. An incinerator comprising a casing provided with radially disposed, normally closed openings, a receptacle supported in the casing, partitions in said casing defining a plurality of compartments to receive material to be incinerated, each of said compartments being provided with an outlet opening coinciding with one of the openings in said casing, and an annular flange surrounding each of the openings of said compartments.

In testimony whereof I have signed my name to this specification.

MAUDE H. HALLETT.