Sept. 28, 1926. 1,601,657

J. W. THOMPSON

INCINERATOR

Filed Dec. 12, 1925

Fig. 1.

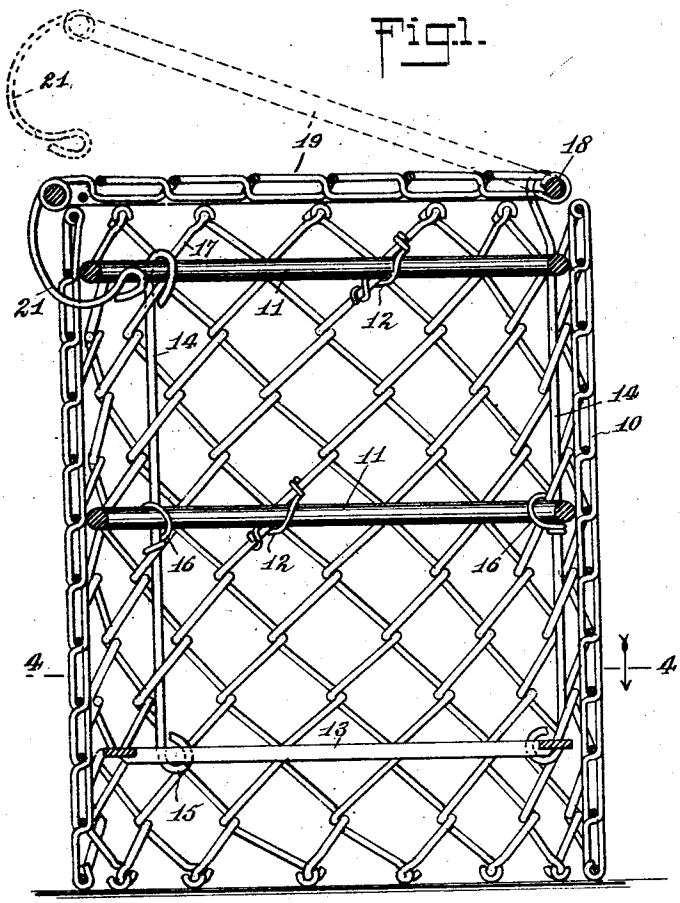


Fig. 2.

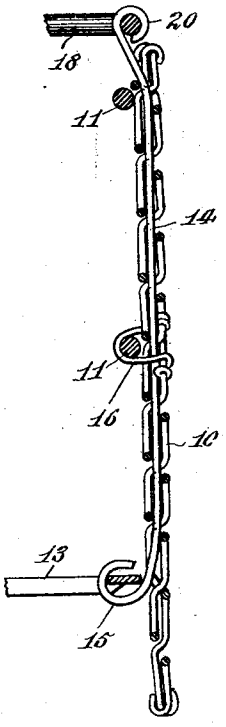


Fig. 3.

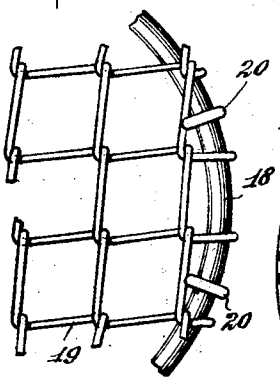
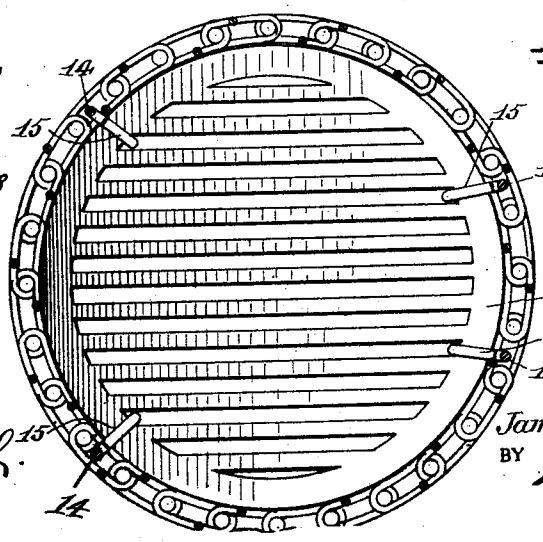


Fig. 4.



WITNESSES

William A. Goebel.

Chris Feinle.

INVENTOR

James W. Thompson

BY Munn & Co

ATTORNEYS

Patented Sept. 28, 1926. 1,601,657

UNITED STATES PATENT OFFICE.

JAMES W. THOMPSON, OF WHITE PLAINS, NEW YORK.

INCINERATOR.

Application filed December 12, 1925. Serial No. 75,098.

This invention relates to incinerators or receptacles of the type disclosed in Letters Patent of the United States, No. 1,565,120, granted to me December 8, 1925.

The incinerator or receptacle is especially adapted for holding refuse or waste material while it is being burned.

The principal object of the present invention is to provide an incinerator of the indicated character which will be more thoroughly efficient and effectual by virtue of improved structural features.

The nature of the invention and its distinguishing features and advantages will appear when the following specification is read in conjunction with the accompanying drawing, in which—

Figure 1 is a central vertical sectional view of an incinerator constructed in accordance with the present invention.

Fig. 2 is a detail vertical sectonal view showing more clearly the manner in which the grate and cover of the incinerator are incorporated.

Fig. 3 is a fragmentary plan view of the cover and showing the manner in which it is hingedly connected.

Fig. 4 is a transverse sectional view taken on the line 4—4 of Fig. 1.

In the preferred form of the invention shown, the incinerator includes an elongated tubular, woven wire body 10 which is produced from a single piece of woven wire of proper length and width. In order to prevent the body 10 as formed from collapsing inwardly and to add rigidity thereto, hoops 11 are provided. The hoops 11 are arranged on the inside of the body 10 and are secured thereto at different points as at 12 by virtue of the use of short lengths of wire connected at two points to portions of the wire of the body 10 and brought around a portion of the related hoop 11.

In the present instance in lieu of a woven wire bottom, shown in said patent, to constitute a grate, there is provided a grate 13 preferably of cast iron or equivalent material which instead of being supported directly from the wall of the body is supported by stay rods 14 which extend vertically of the wall of the body 10. Each of the rods 14 at its lower end is wrapped around a portion of the grate 13 as at 15, and in the present instance two of the rods 14 are attached to the intermediate hoop 11 as at 16 by wrapping a length of a wire about a portion of the particular hoop and a portion respectively of the particular rod 14, and each of these same two rods has its upper end wrapped about the upper hoop 11 as at 17. In the present instance the other two rods 14 instead of being connected to the upper hoop 11 each has its upper end wrapped about the hoop 18 of the cover 19, as at 20 to effect a hinged connection of the cover 19. The cover 19 beside the hoop 18 includes woven wire similar to that from which the body 10 is made. At the side of the cover opposite that having the hinged connections is a retaining clip 21 for holding the cover in a closed position. The clip 21 consists of a single piece of wire with one end thereof wrapped about the hoop 18 and its opposite end is engageable with portions of the wall of the body 10. The stay rods 14 are of heavier material than the material or wire from which the body 10 is made, consequently a durable connection between the rods and the grate 13 is obtained to withstand excessive heat and thereby prolong the life of the incinerator. Moreover, under the present arrangement and by virtue of the use of the rods 14 it is possible to replace the grate whenever the occasion arises.

It is to be understood that the invention is not restricted to the precise arrangement of parts shown and described as details of construction may be modified and rearranged without departing from the spirit of the invention, the scope of which is limited only by the terms of the appended claims.

I claim:

1. An incinerator for burning refuse, comprising a tubular woven wire body, hoops arranged in spaced relation and secured to said body, stay rods extending vertically through the wall of said body, a grate supported by said stay rods, and a woven wire cover hingedly connected to a pair of stay rods.

2. An incinerator for burning refuse, comprising a tubular woven wire body, reinforcing hoops arranged on the inside of said body and secured thereto, stay rods connected to said hoops, a grate supported by said rods, and a cover hingedly connected to a pair of stay rods.

JAMES W. THOMPSON.