

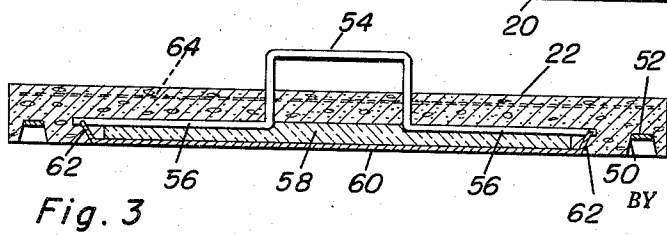
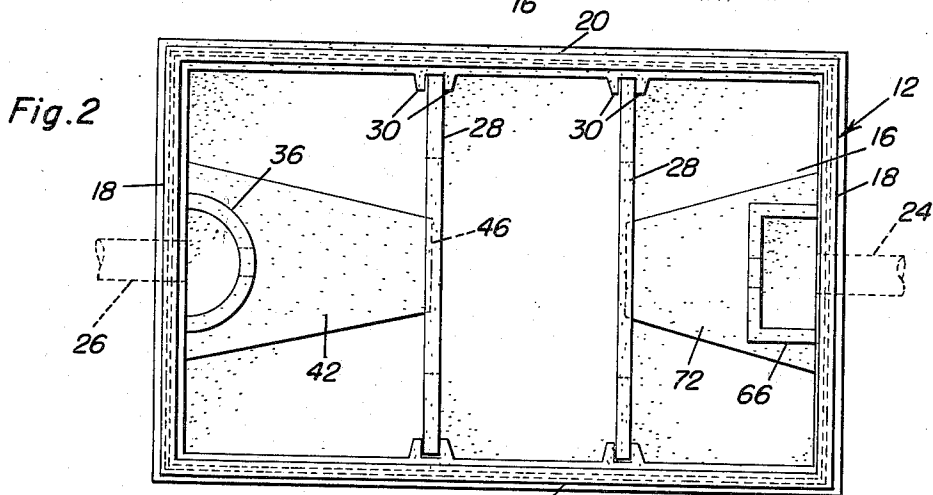
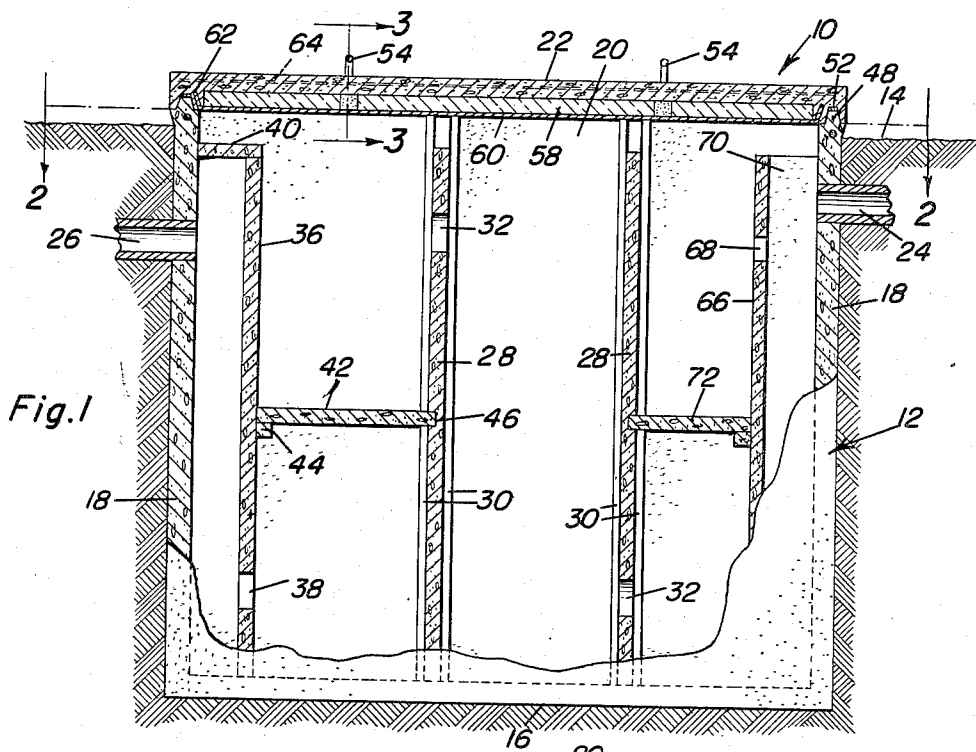
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J. H. JANSSEN

2,763,335

GREASE TRAP

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John H. Janssen
INVENTOR.

Clarence A. O'Brien
and Harvey B. Jacobson
Attorneys

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2,763,335

GREASE TRAP

John H. Janssen, Nokomis, Ill.

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1 Claim. (Cl. 182—9)

This invention relates to new and useful improvements and structural refinements in grease traps, particularly traps for catching and disposing of grease emanating from kitchens, or the like, and the principal object of the invention is to provide a grease trap of the character herein described which is very simple in construction, sanitary in operation and which may be conveniently and effectively installed below ground without the use of elaborate facilities or workmanship.

With the above more important objects and features in view, and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially of the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a vertical sectional view of the invention;

Figure 2 is a horizontal sectional view, taken substantially in the plane of the line 2—2 in Figure 1, and

Figure 3 is a sectional detail, taken substantially in the plane of the line 3—3 in Figure 1.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the grease trap is designated generally by the reference 10 and embodies in its construction a substantially rectangular or box-shaped container 12 which is adapted to be installed in the ground 14, as is clearly shown in Figure 1.

The container 12 is preferably formed from concrete, or the like, and includes a bottom 16, a pair of end walls 18, a pair of side walls 20 and a removable top or cover 22.

Inlet and outlet ducts 24, 26, are provided in the respective end walls 18 and a plurality of removable partitions 28, vertically disposed, are located in suitable guides 30 with which the side walls 20 are provided at the inner surfaces thereof, as is clearly shown in Figure 2.

These partitions are formed with mutually offset or staggered openings 32 so as to provide a tortuous path through the partitions between the inlet and outlet ducts 24, 26, respectively, and it will be also observed that a substantially U-shaped or semi-cylindrical baffle 36 is secured to one of the end walls 18 so that it overlies the outlet duct 26, as shown in Figures 1 and 2. This baffle is equipped adjacent the lower end thereof with a passage or opening 38, while the upper end of the baffle is closed as shown at 40.

Also, a relatively narrow, tapered partition or baffle 42 is removably mounted between the baffle 36 and the adjacent partition 28, the partition or baffle 42 being supported at one end by a flange 44 carried by the baffle 36, while the other end or edge of the partition 42 is

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received in a groove 46 formed in the associated partition 28.

It will be observed from the foregoing that the partitions 28, 42 may be readily removed for purposes of cleaning the interior of the trap, when so desired.

To effect proper sealing, the upper edges of the lateral walls 18, 20 of the container 12 are provided with a continuous, upwardly projecting tongue 48 which is received in a continuous, marginal groove 50 formed in the underside of the top or cover 22. A sealing strip 52 may be disposed in the groove 50, if so desired, so as to abut the upper edge of the tongue 48.

A plurality of suitable handles 54 are provided on the top or cover 22, these handles having laterally extending portions 56 which are embedded within the top or cover.

Moreover, for insulation purposes, a layer of insulating material 58 is provided at the underside of the top or cover 22, being sustained in position by a metallic sheet 60, the latter having inturned marginal edge portions 62 which are embedded in the cover so as to sustain the sheet in place.

In addition, the cover 22 may be equipped with a plurality of reinforcing rods, as indicated by the dotted lines 64.

If desired, a vertically elongated, substantially U-shaped baffle 66, similar to the baffle 36, may be provided in the container 12 adjacent the inlet duct 24, the baffle 66 having an opening 68 adjacent the top thereof and also having an open upper end 70. Moreover, a horizontal baffle plate 72, similar substantially to the baffle 42, may be provided between the baffle 66 and the adjacent of the partitions 28, as shown.

While in the foregoing there has been shown and described the preferred embodiment of this invention, it is to be understood that minor changes in the details of construction and arrangement of parts may be resorted to without departing from the spirit and scope of the invention as claimed.

What is claimed as new is as follows:

A grease trap comprising: a container including a bottom, side walls, end walls having an inlet and an outlet therein and a removable top, removable partitions mounted vertically in the container and having horizontal grooves therein, substantially U-shaped, removable, vertical baffles in the container abutting the end walls over the inlet and the outlet, horizontal flanges on said baffles, and removable horizontal baffles mounted on the partitions and having one end portion engaged in the grooves, the other end portions of said horizontal baffles being substantially U-shaped and straddling the vertical baffles in abutment therewith and resting on the flanges for securing said vertical baffles against said end walls, said partitions and the vertical baffles having staggered openings therein.

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