The present invention relates to a sectional septic tank, and more particularly to one which may be nested for convenience in shipping.

In many portions of the country the cost of septic tanks is higher than it need be. This is brought about by the fact that in the past metal septic tanks have been constructed in completed form, and hence they are bulky. This limits the maximum number of such tanks which can be placed on a truck. The weight of such tanks, however, is far below the hauling capacity of the truck. The cost of delivery of a load of such septic tanks must then be divided by the number of tanks carried, and hence where appreciable distances are involved between the manufacturer and the distributor, the freight costs are quite high. Accordingly in accordance with the present invention it is proposed to provide an improved sectional metal septic tank which may be nested so that the same truck which now delivers a certain number of tanks can carry three or four times the number now being carried. This would, of course, reduce the freight cost per unit tank appreciably.

In accordance with present practice of constructing metal septic tanks they are completed at the factory and are quite heavy. Because of their large bulk and appreciable weight it is necessary to employ several men to handle such tanks, even for installation on the job. It is proposed in accordance with the present invention to provide a sectional septic tank so that the individual sections could readily be handled by a single man, both for delivery from his shop and for installation on the job.

It is further proposed in accordance with the present invention to provide a sectional septic tank which can be shipped in nested form together with all parts necessary for assembly of the tank including a quantity of sealing compound for the various joints between the sections. These sections would be in nested form so that by the simple expedient of a couple of metal strips a convenient nested package is obtainable.

It, therefore, is an object of the present invention to provide a new and improved sectional septic tank.

A further object of the invention is to provide an improved sectional septic tank which may be nested to save transportation costs.

A still further object of the invention is to provide an improved sectional septic tank to save labor and installation costs.

Other and further objects of the present invention subsequently will become apparent by reference to the following description taken in conjunction with the accompanying drawings wherein:

Figure 1 is a vertical cross section of an assembled sectional septic tank;

Figure 2 is a partial enlarged cross sectional view of a portion of the assembled tank;

Figure 3 is a horizontal cross section as seen in the direction of the arrows along the line 3—3 of Figure 1;

Figure 4 is a side view of the assembled sectional septic tank;
members 15 and 16 and the carton 31 of sealing compound or material. It is suggested that two metal bands or straps 32 and 33 at right angles to each other extending diametrically across the nested tank sections would serve to retain the sections in position for convenience in shipment. After delivery of a package such as shown in Figure 7 to the individual who handles and installs septic tanks, the retaining straps 32 and 33 may be removed in the event that only one man is available for loading the tank on a truck for delivery to the ultimate place of installation. Each of the sections in nested form can be handled individually and placed on the truck, and hence even at this point appreciable labor may be saved. When the tank has been delivered to the point of installation, it, of course, is quite convenient for a single individual to handle the various sectional parts and to install in position the bottom section 20 and apply the compound, and thereupon add successive sections of the tank until the installation has been completed. Hence it is unnecessary to have a plurality of men present to put the septic tank in position.

While for the purpose of illustrating and describing the present invention certain preferred arrangements have been shown, such as a cylindrical configuration for the sections, which might be ellipsoidal, or other convenient configurations, it is to be understood that such variations are contemplated as may be commensurate with the spirit and scope of the invention set forth in the accompanying claims.

I claim as my invention:

A sectional metal septic tank formed of a plurality of sections of cylindrical shape and similar height, and comprising a bottom section having cylindrical side walls and a closed bottom, a Z-angle iron member welded to and surrounding the outer circumference of said wall at its upper edge to form therewith a peripheral channel, an intermediate section having cylindrical side walls of larger transverse dimensions whereby the lower edge thereof will rest in the middle of the peripheral channel of said bottom section, a Z-angle iron member welded to and surrounding the outer circumference of the upper edge of said wall to form therewith a peripheral channel for receiving in its middle the bottom edges of the wall of another intermediate section, a second intermediate section similar to said first intermediate section but of greater transverse dimensions, and a top section having cylindrical side walls provided with an inlet and an outlet, said walls having a transverse dimension greater than that of the intermediate section upon which it is to be supported, a friction fit cover for said top section, said top section having diametrically opposite arranged inlet and outlet each provided with a removable baffle extending from the top edge to the bottom edge of said top section, said top section when inverted is to receive in normal upright position all the remaining sections in order proceeding from the top whereby the underside of the Z-angle member of each successive section rests upon the peripheral edge of the next larger section until the bottom of the bottom section forms with the nested intermediate sections and the top section a chamber for storing said baffles and parts therefor for shipping.

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