This invention relates to an improved construction of mausoleum which is provided with a plurality of crypts or vaults for the reception of bodies; and the object of this invention is to provide such a building with a drainage system whereby the fluid from the bodies in the crypts will be conducted away and rain water is caused to flush the drain pipes and keep them clean.

A further object of the invention is to provide rain-receiving conductor pipes extending down through the roof past the crypts and to provide a drainage from each crypt of a stack into this conductor and to connect this conductor to a main discharge pipe and to arrange the piping above the roof so as to collect rain water to flush and clean both the main and individual conductor pipes.

With these and other objects in view, the invention consists of certain novel features of construction, as will be more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a plan view of one form of my improved construction of mausoleum showing the general arrangement of piping for draining the individual crypts of a stack or plurality of stacks therein.

Figure 2 is an elevation showing the arrangement of vertical conductor pipes as communicating with each individual crypt and these conductor pipes as being connected to a main conductor pipe and the arrangement for flushing both sets of pipes by rain water.

Figure 3 shows the general arrangement of drainage piping, the catch basin and the arrangement for collecting rain water for flushing both the individual conductor and the main conductors.

Figure 4 is a detailed view showing the Y-shaped fittings which are connected to the individual conductors to communicate with the stacks of crypts on either side of the conductor.

Figure 5 is a detail showing the greatly enlarged rain-collecting receptacle located on the upper end of the individual conductor pipes to receive a certain amount of water and direct it into the pipe to flush out the drainage of the crypts deposited therein.

It is known that where bodies are placed in the crypts of a mausoleum that a certain amount of fluid is deposited on the floor thereof and in order to keep the crypts free from odors it is necessary to drain them and flush the drain pipe. Therefore, to accomplish this flushing action automatically, I have provided a conductor for each pair of stacks of crypts which conductor may be set into the wall between the stacks. This conductor is provided with Y-shaped fittings so that the branches thereof being arranged to receive the drainage from each of the crypts. This conductor is positioned to empty into a main drain conductor pipe at its lower end and its upper end extends out through the roof and is provided with an enlargement for collecting rain water which runs down through the pipe to flush the same. Also, it is found that the down flow of water through these conductors creates a partial vacuum in the crypt, which serves to draw the moisture and the air from the crypt to assist in its ventilation, which is the subject of my copending application of even date herewith. Also, the main discharge conductor to which a series of these individual conductors are connected is flushed by action of rain water through the main rain water receiving conducting pipe, whereby the whole piping system is kept clean automatically; and the following is a detailed description of the present embodiment of my invention and showing one arrangement of piping by means of which these advantageous results may be accomplished:

With reference to the drawings, 10 designates the crypts or vaults which are arranged in pairs in stack form, the crypts in the different stacks being one above the other, the floor 11 of each crypt of the pair being inclined towards each other and to a given point therein so as to receive and conduct the fluids deposited from the bodies to this lower point to be conducted away. A conductor pipe 12 extends from a point above the roof 13 down through the wall 14 between the pairs of crypts, which conductor
pipe is provided with Y-shaped fittings 15 to communicate with the opposite crypts of each pair to conduct the drainage from their low point into the conductor 12. This arrangement is repeated with each successive pair of superimposed crypts. The lower end of this pipe 12 is connected through a fitting 16 with the horizontally-disposed drain pipe 17 into which a series of any number of these conductor pipes 12 may discharge. On the upper end of each conductor pipe above the roof, is an enlarged funnel-shaped rain receptacle 18 which is of a size to collect the necessary amount of rain water and each is provided with a screen 19, see Figure 4, to exclude insects from the pipe, whereby the rain collected in these receptacles will run down through the pipes and keep them clean and at the same time this rapid running of the water down through the pipe will draw out the moisture and any foul air which may have accumulated in the crypts with which it is connected.

In order to flush out these horizontally-disposed discharge pipes 17 to which the individual drain pipes are connected, I have provided a water-tight catch basin 19 into which one end 20 of this main discharge pipe extends with a downwardly turned extremity which is arranged to project below the normal water line thereby providing a water seal for this end of the pipe.

And in order to provide water for flushing this catch basin, I have arranged a stand pipe 22 on the upper end 23 of which is fixed a screen and this end is arranged to receive a relatively large quantity of rain water from the roof of the mausoleum and conduct the same down into the catch basin, whereby the level of the rain water upon being discharged thereinto will rise in the horizontal pipe 17 and flow out through the flush and keep it clean. This pipe 17 near its discharge end is provided with a trap 24 just before it enters the sewer at its discharge end. Also, this pipe 17 is provided with a vent 25 outside the wall 26 of the mausoleum.

The catch basin is provided with a manhole cover 27 which may be removed and entered for the purpose of cleaning out the basin when necessary.

My improved draining system for mausoleums is very simple and effective, is automatically operated by being arranged to collect the rain water for the purpose of flushing the drainage and keeping the pipes clean.

The foregoing description is directed solely towards the construction illustrated, but I desire it to be understood that I reserve the privilege of resorting to all the mechanical changes to which the device is susceptible, the invention being defined and limited only by the terms of the appended claims.

I claim:
1. In a mausoleum having a roof and a stack of crypts or vaults under the roof, the combination of an open-ended rain receiving conductor pipe extending through the roof and means communicating with the crypts of said stack to drain the liquid from the same into said conductor pipe whereby the rain water will run down through said pipe to clean the drainage therefrom.

2. In a mausoleum having a roof and a stack of crypts or vaults under the roof, the combination of a drain pipe in the floor of each crypt, the floor being inclined towards said drain, an open-ended rain receiving pipe extending through the roof and down past and connected to said drain pipes to conduct rain water down through the pipe to wash the drainage therefrom.

3. A mausoleum having two vertically-disposed rows of crypts or vaults with a wall between them, a conductor pipe in said wall leading from the roof down to the sewer below, drain pipes connecting each crypt with said conductor, the floor of said crypt being inclined to its drain pipe said conductor having an enlargement above the roof to assist in catching the desired supply of rain water.

4. In a mausoleum having a roof and a stack of crypts or vaults under the roof, the combination of a drain pipe in the floor of each crypt, the floor being inclined towards said drain, and an open-ended rain receiving pipe extending through the roof and down past and connected to said drain pipes to conduct rain water down through the pipe to wash the drainage therefrom, the drain pipe above the roof being provided with a rain-receiving enlargement and connected at its lower end to a waste.

5. In a mausoleum, a floor, a roof, a plurality of vertical rows of crypts, a catch basin below the floor, a main rain water conductor leading from the roof into said basin, a horizontally-disposed drain pipe leading from said basin to the sewer, a plurality of vertically-disposed rows of crypts between the floor and roof, a conductor pipe leading from the roof down into said horizontal drain pipe, and a drain from each crypt connected to said conductor pipe, whereby the rain water collected in said conductor is caused to flush the drainage therefrom into said horizontal waste pipe and said horizontal pipe be flushed by the rain water accumulating in said basin.

6. In a mausoleum, a floor, a roof, a plurality of vertical rows of crypts, a catch basin below the floor, a main rain water conductor leading from the roof into said basin, a horizontally-disposed drain pipe having
one end turned down and extending below the water line in said basin to seat the same, its opposite end leading to the sewer, crypts between the floor and roof, conductor pipes, an enlarged rain collecting head above the roof leading directly into said horizontal pipe, drains from the crypts connected to said conductor drain pipe whereby the rain collected therein is caused to flush out the drainage into the horizontal pipe, said latter pipe being flushed from the main rain conductor and basin.

In testimony whereof I affix my signature.

THOMAS F. CULLINAN.