

Organic Waste Converter

Courtesy: Ministry of Environment and Parliamentary Affairs

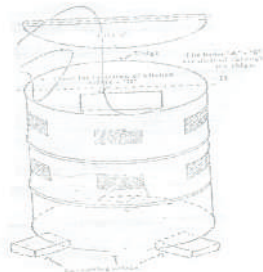
Today there is much talk about the environment. This is because, we have at least now realized the importance of keeping our environment healthy. We co-exist with the environment and if the environment is unhealthy we too are adversely affected. It is therefore very important that everyone of us contribute in whatever way we can towards keeping our environment from being polluted. In pursuance of that concept we describe herein a very simple device that can easily be turned out and used by any of us.

Features

1. Organic waste is treated without environmental effects, producing compost manure which will enrich your garden.
2. No fuel is needed.
3. It is simple, easy to operate and inexpensive.
4. It occupies very little space and is almost totally free of smell.
5. It takes in those household garbage which attract dogs cats and crows and thus helps to keep the streets clean.

Organic waste converter (simple device)

diagram 1



Fabrication

1. A door 'D' is cut on the top plate of an empty oil drum.
2. Around the drum small ventilating windows are cut if preferred pieces of fine wire mesh may be welded onto the windows to prevent the entry of flies.
3. The bottom plate of the drum is removed and a part of this plate is used to form the lid 'C'. The hinge is formed by the insertion of a quarter inch iron rod 'a' 'b' which is through the two holes on the drum to be marked 'A', 'B'.
4. The drum is kept elevated from the ground by means of three or four bricks. The waste converter should have adequate cover to prevent rain water beating into it. What will happen to the organic waste which is in the drum?

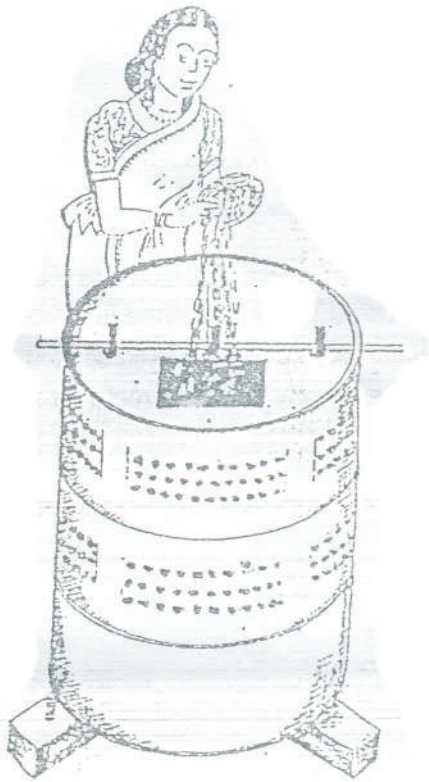
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Operations

1. Organic waste from the kitchen is regularly introduced through the door 'D'. Aerobic bacteria are gradually formed and in about four weeks the bacteria reduce the waste matter at an exceedingly high rate. Most will find the capacity of the barrel more than adequate to take in all organic kitchen waste.

ORGANIC WASTE CONVERTER

(A very simple device that can easily be turned out and used by any of us)



2. It is important to introduce only organic waste in hiding left over food, leaves and other vegetable matters, fish and meat. Metal, glass, hardwork newspaper and all plastic should be avoided.

3. A very slight smell may emanate during the prime period of about four weeks. It is therefore recommended that the converter be installed outdoors, but it could be close to the house. If desired a P.V.C. vent pipe may be introduced with

ease, but this may not be necessary. When the waste converter is in normal operation, there will be no objectional smells.

4. The treated refuse is withdrawn from the bottom of the refuse converter, by means of a shovel, at appropriate intervals as and when required. It is good organic manure and may be used in your garden. It could also be applied mixed with small quantities of chemical fertilizers if you need a richer fertilizer.