

DESIGN OF A HOLE DIGGER

M/683

BY

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Project Report

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## INTRODUCTION

From the beginning Cyprus was a country island, so the habitans of Cyprus make their leaving by explaiting the land.

Although nowadays a lot of people dealing with other business to leave. Like tourism, factories e.t.c. a lot of Cypriots still make their leaving by working on the land.

The Carmers life was always difficult but now due to the technological development of the last years a lot of methods were improved in order to make the life of the farmer easier and also to increase the productivity and a final result to increase the profits of the farmers.

For example tractors are used widely from all the farmers for faster and easier work. Also, automatic devices for watering and manuring were developed so the farmer will save time and money. Also, a lot of other improvement were made in order to help the farmer.

One of the major problem of the farmers, mainly the farmers which are dealing with trees, (not vegetables) is when they are going to plant little trees.

This is a problem because if he wants to plant a field of two hundereds small trees he has to dig 200 holes, which is a very difficult work if it is going to be done with the traditional tools.

Also, the goverment when is going to make a reforestation of a burned area, must dig holes which may be one or two thousands. So you realised how difficult is to dig those hole without any machine.

To solve this problem people either they use a lot of labour with the traditional tools or they make use of big diggers (tracktors) which are used also for other jobs, and also are difficult to use them except from specialized personel.

Looking at the problems arising with the hole digging a need is creating for design and construct a device which will be exclusively for this job, and also not to big so to be able to transfer it easily, not expensive and easy to operate.

So this project is dealing with the design of such a HOLE DIGGER, using our knowledges taken from the three years of studing in the H.T.I. and also with the help of our lecturers.

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