

IC Engine Operated Power Weeder Machine

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Abstract: India is well known as agriculture country. The population of our country largely increasing day by day. Thus the increase in population agriculture space area get divided into small parts. Now a days it becomes difficult to introduce advance technology equipment and machineries in shell part of agricultural land. In India most of the farmers are using the conventional farming method for doing their all the agriculture work. So that time and money both are west. It is observed that Indian farmers are show in adopting the new technology due to the cost because yet which are the new technology are developed are highly costly. In the IC Engine Operated Weeder Machine which is definitely useful for farmer to apply in small part of agricultural land. Of course it is economical to purchase and maintain it. In this machine we have use IC engine of sufficient capacity which develop the forces as we required. For running this machine which is operated with the help of bullocks. This machine is more efficient and less consuming than the other one. Agricultural area has been in the area of continuous research, and has made significant improvement in the recent period. Currently, standard cultivation removes weeds from the majority of the bed using sweeps, knives, coulter and blades. Typically a 4-inch wide band is left around the seed line. Weeds in the uncultivated band are typically removed by hand, and the density of weeds that occur there, determines how laborious and costly subsequent hand weeding will be. Mechanical weeding machine is a project used to remove unwanted plants/weeds, which grows around the crops. Technology will continue to develop and improve in the coming years. These technologies do not entirely replace the need for hand labor, but they can make subsequent hand weeding operations less costly and more efficient. So we are going to make a machine which removes these unwanted plants more efficiently and at a considerable less cost. We have made a machine which removes weed from in the line and around the plants. It uses rotary motor operated jaws which indeed removes weed. The design and other technical details are presented in the report.

Keywords: 2 stroke IC engine, weeder blades, frame, gears, shaft, chain drive, wheels etc

