

Title: Multipurpose Weeding Tool

FIELD OF THE INVENTION

Weed removing is a crucial and inevitable part of farming; hence idea here is to replace the conventional methodology of weed removing to mechanized and efficient way.

BACKGROUND OF THE INVENTION

Prior to this a simple hand operated cart like structure (supported by mono wheel) used to plough the field and alternatively to break the topsoil.



OBJECTS OF THE INVENTION

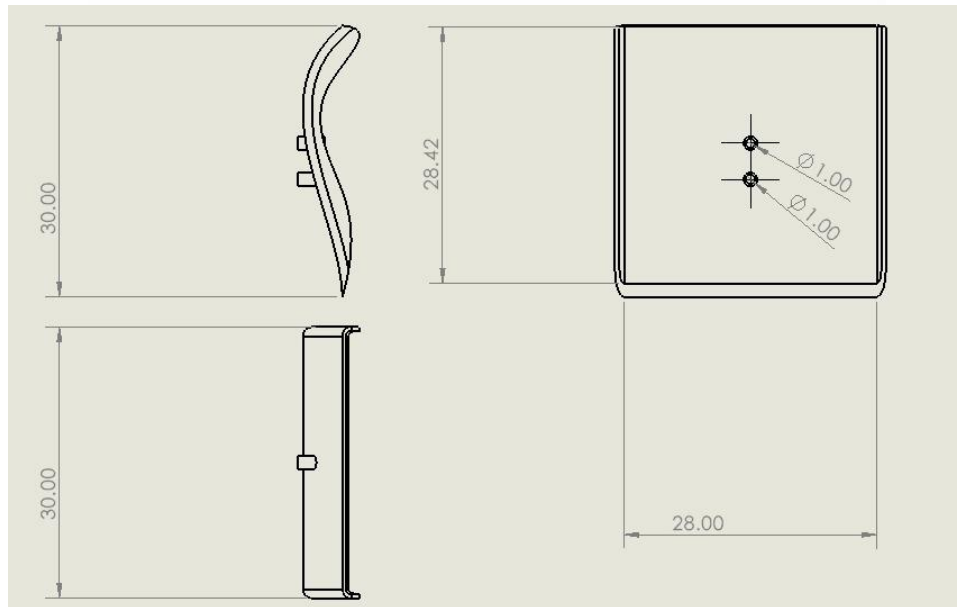
Design a special type blade (L- shaped) with parallel assembly mounted on a rotor and flap for sweeping.



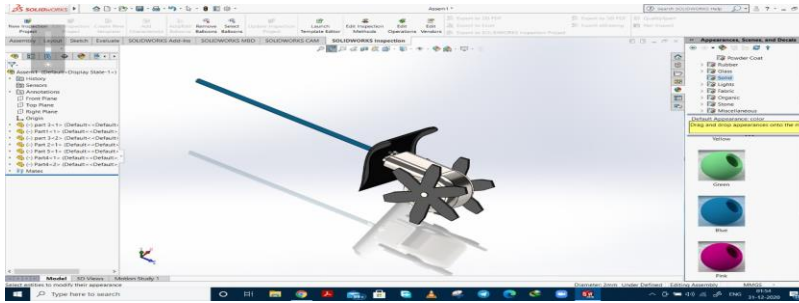
SUMMARY OF THE INVENTION

Blades are here for cutting the weeds and break the topsoil simultaneously and the flap mechanism attached with it will sweep the weeds and grass along with it which can be collected at end. All this activity will be operated by push by hands .

BRIEF DESCRIPTION OF DRAWING



DETAILED DESCRIPTION OF THE INVENTION



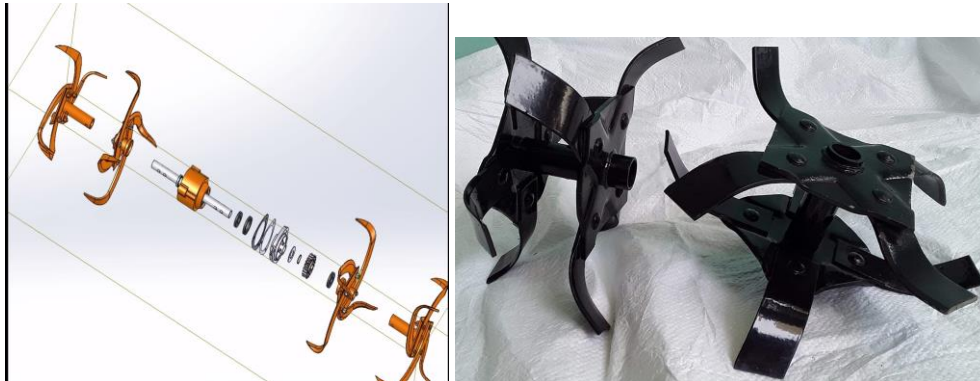
CLAIMS

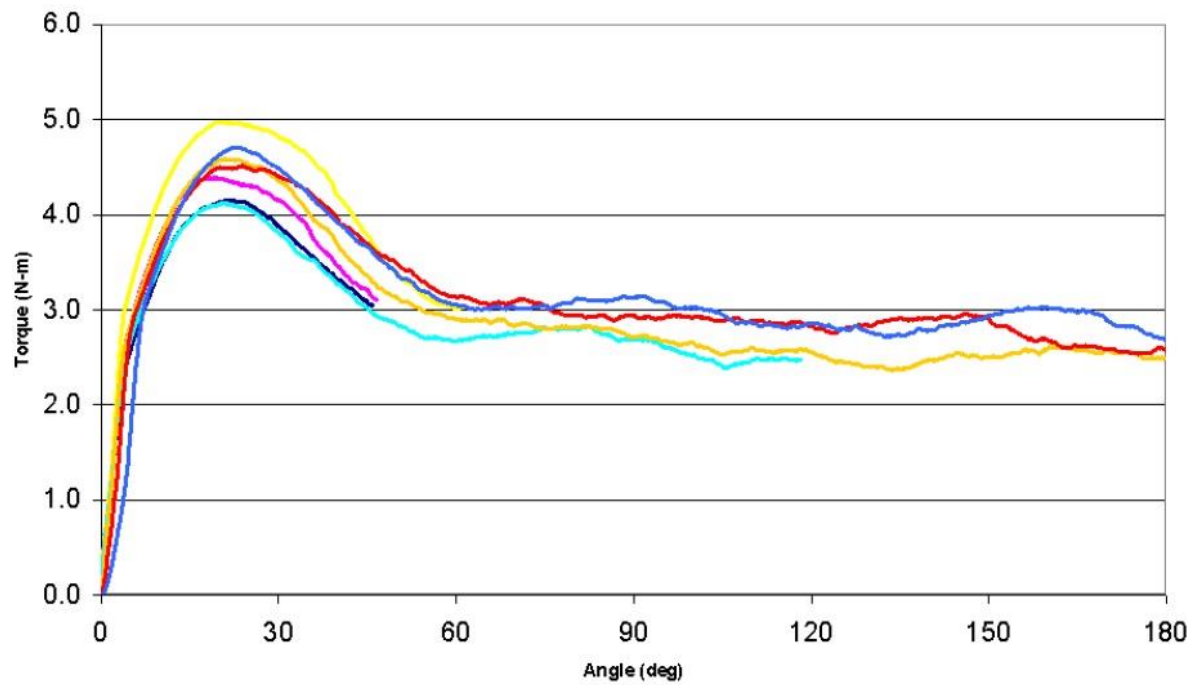
- It requires only 0.00233HP which very low and can easily achieved by average man with minimum effort.
- Weed removing efficiency close to 81.6%

ABSTRACT

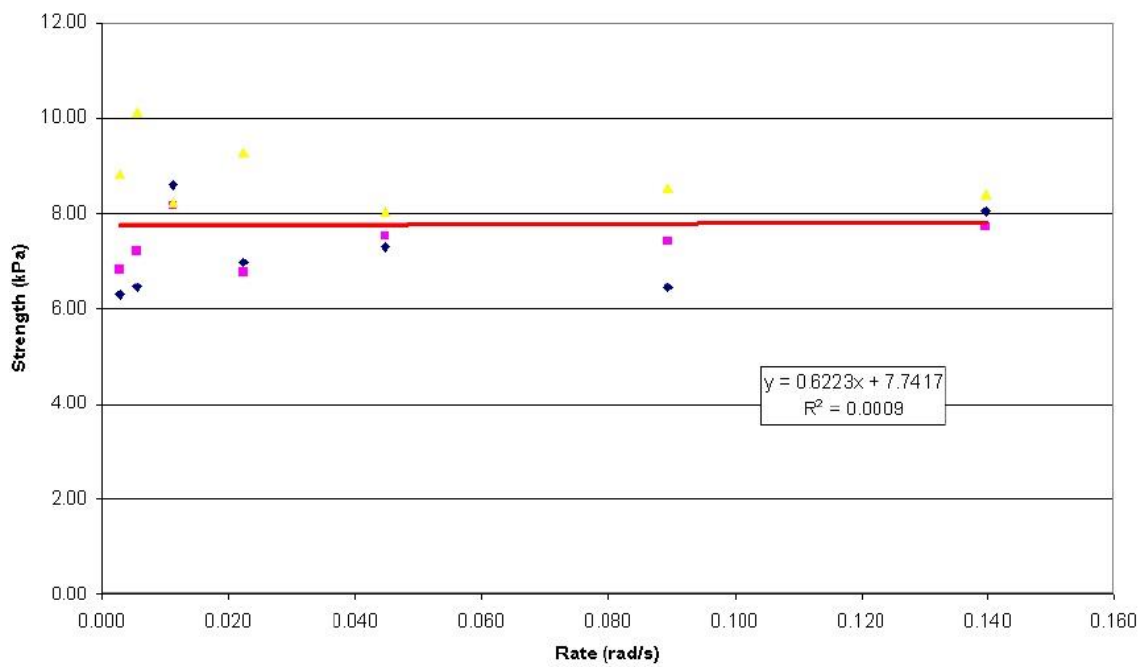
The aim here is to increase efficiency, reducing time and effort require in a weed removing process by introducing a new manual tool with simple blade - rotor assembly operated via shaft (handle). The cutting mechanism inspired by simple lawn grass cutter and a flap for sweep mechanism.

FIGURES





— 0.027 rpm — 0.053 rpm — 0.107 rpm — 0.213 rpm — 0.427 rpm — 0.853 rpm — 1.333 rpm



◆ Position 1 ■ Position 2 ▲ Position 3 — All Data — Linear

