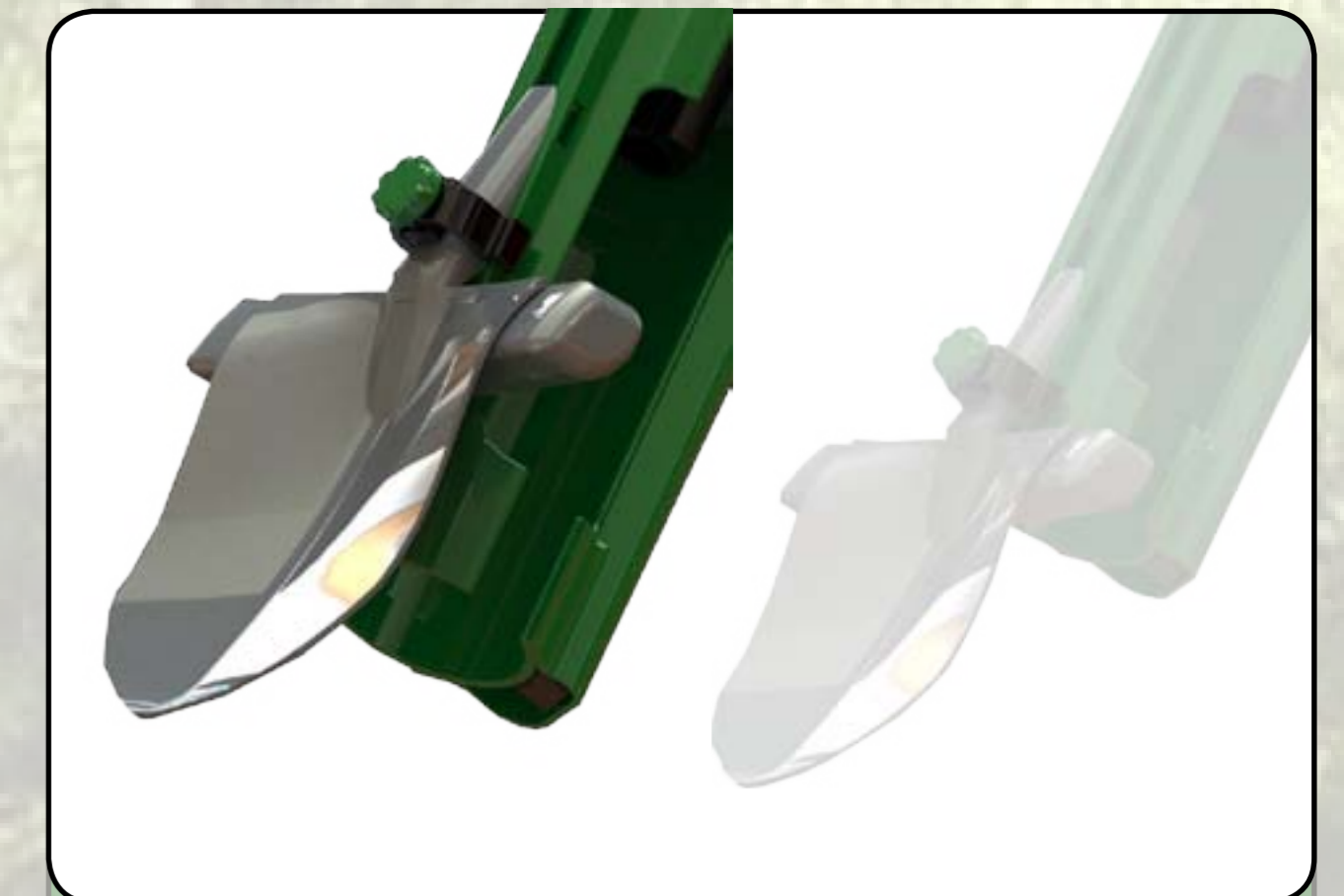


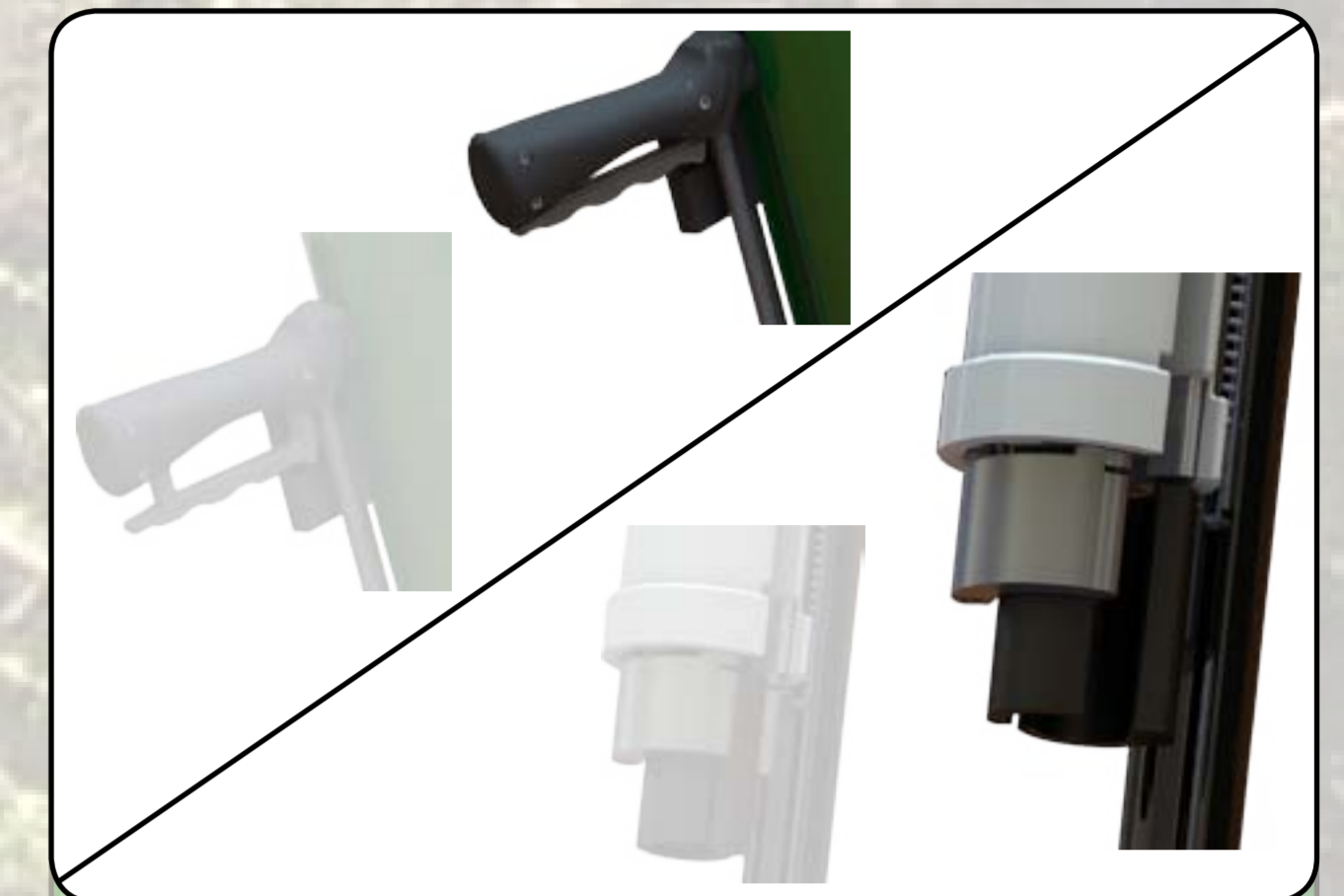


# CHESTNUT PLANTER

Ensuring the successful plantation of Forestry



Set depth of shovel



Open mechanism, place sapling



Dig into soil



Drop and open

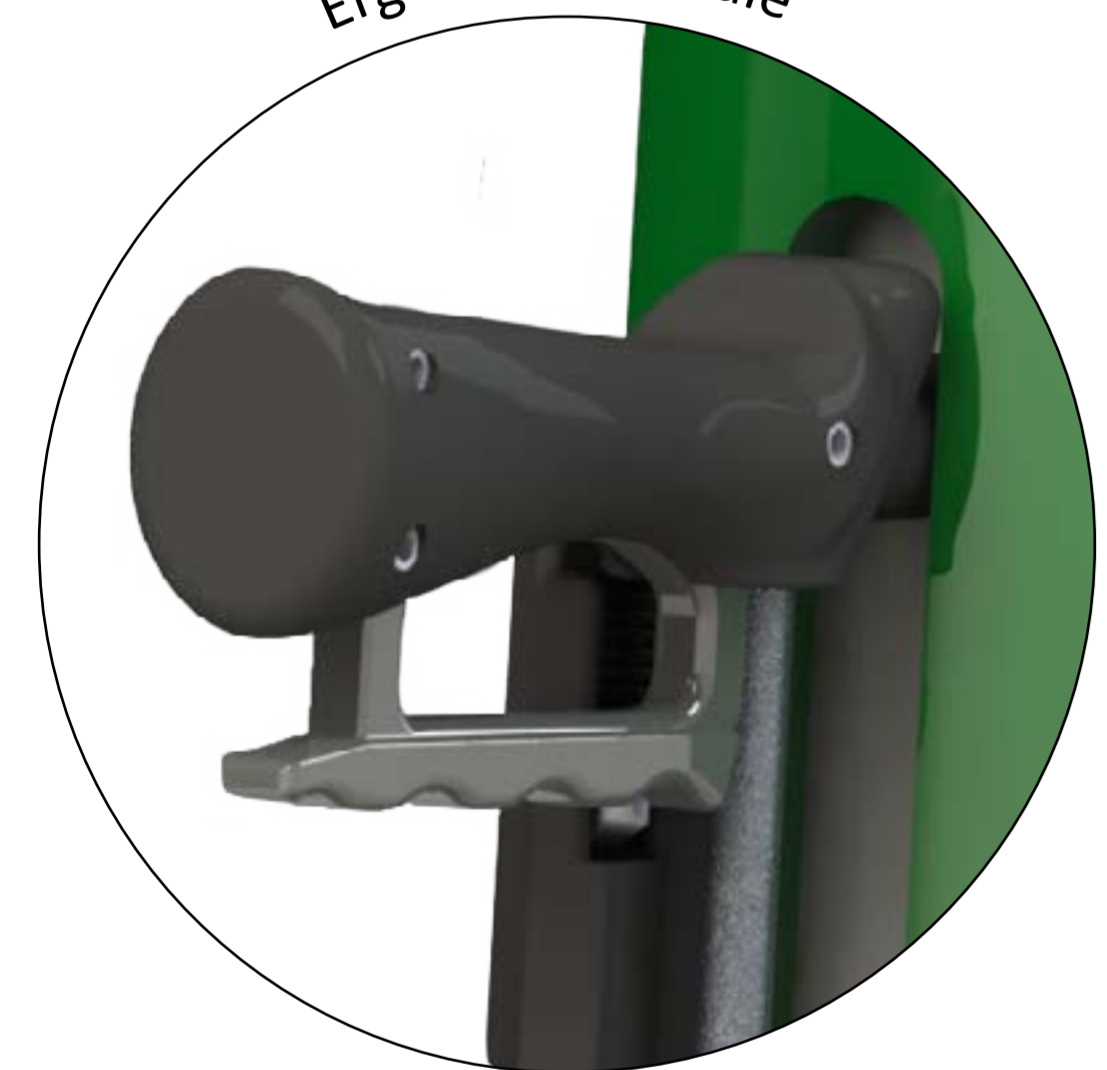


Lift and pack soil



Planted area

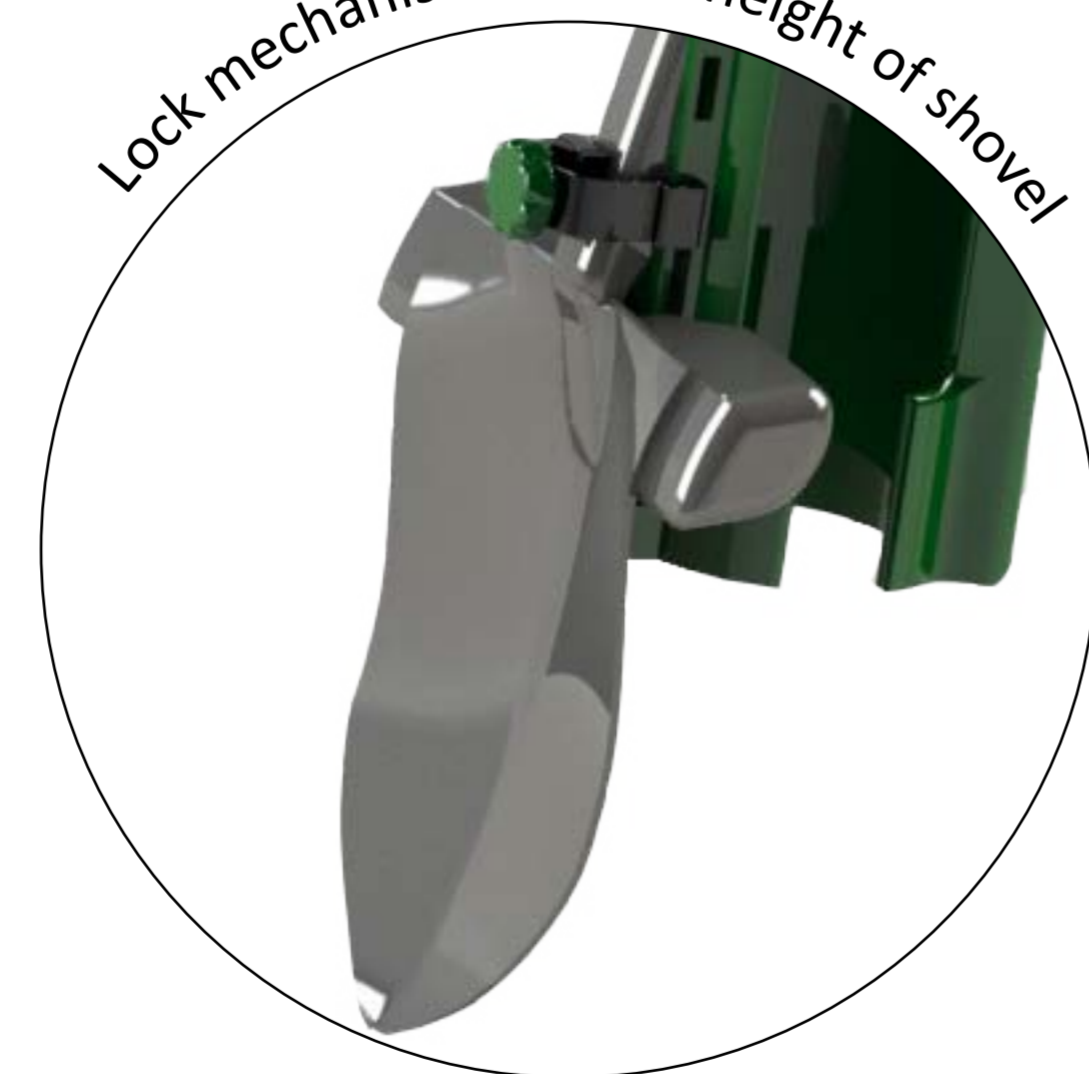
Ergonomic handle



Lock catch mechanism



Lock mechanism adjusts height of shovel



## How it Works.

### 1. Setting Depth Control of Shovel

Losen the lock shovel mechanism that is bolted through the shovel.

Open out the two brackets and move the shovel up the shovel moving mechanism



### 3. Opening and Closing the Catch mechanism.

The connector cable that opens up the catch mechanism.

The catch cable wire catches in under the connector which attaches on to the handle press. the wire stays under tension.

The wire stays under tension.



### 2. Movement of Inside Core Sapling Planter.

Controlled by the handle of the chestnut planter.

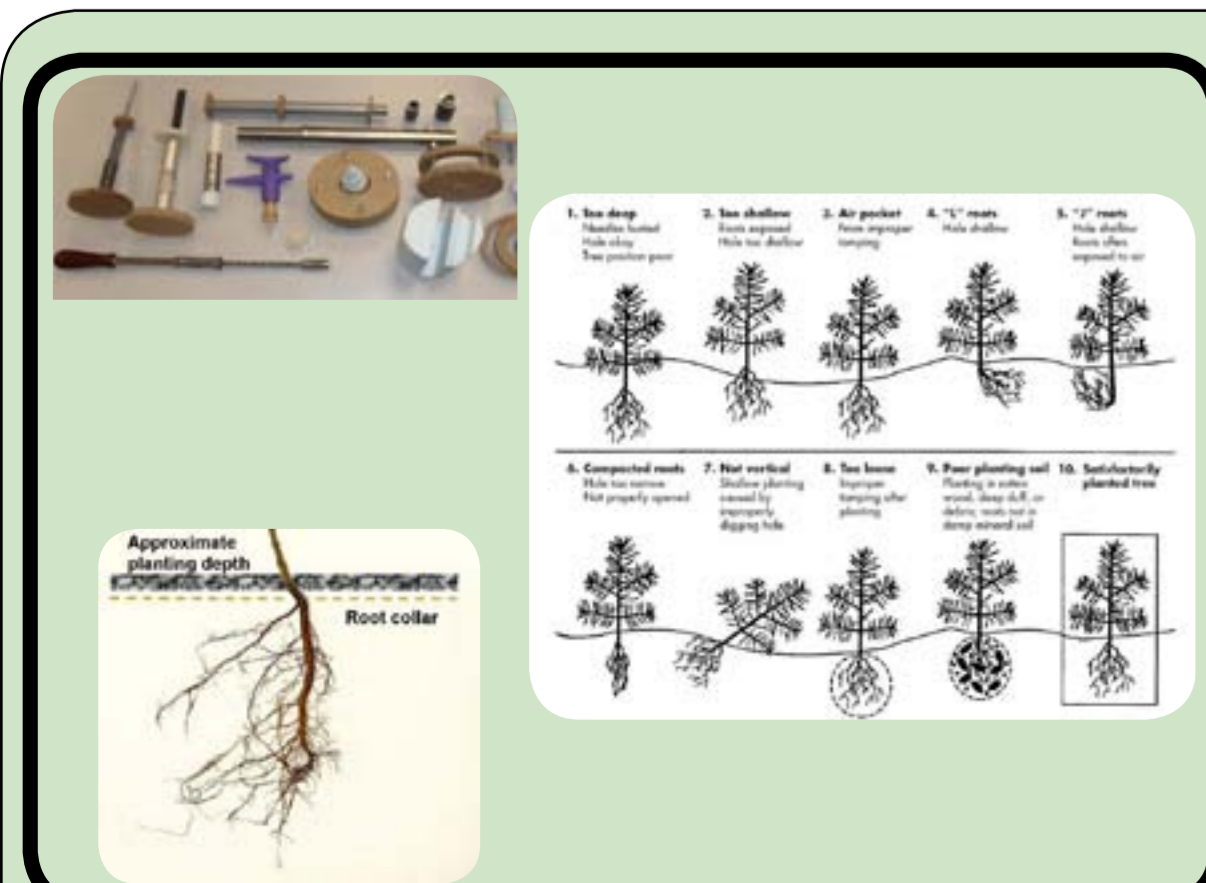
The main core is double plated on the inside for a distance so when the inside core sapling planter moves back up that this part will take the pressure off the handle when the gas spring is fully extended.



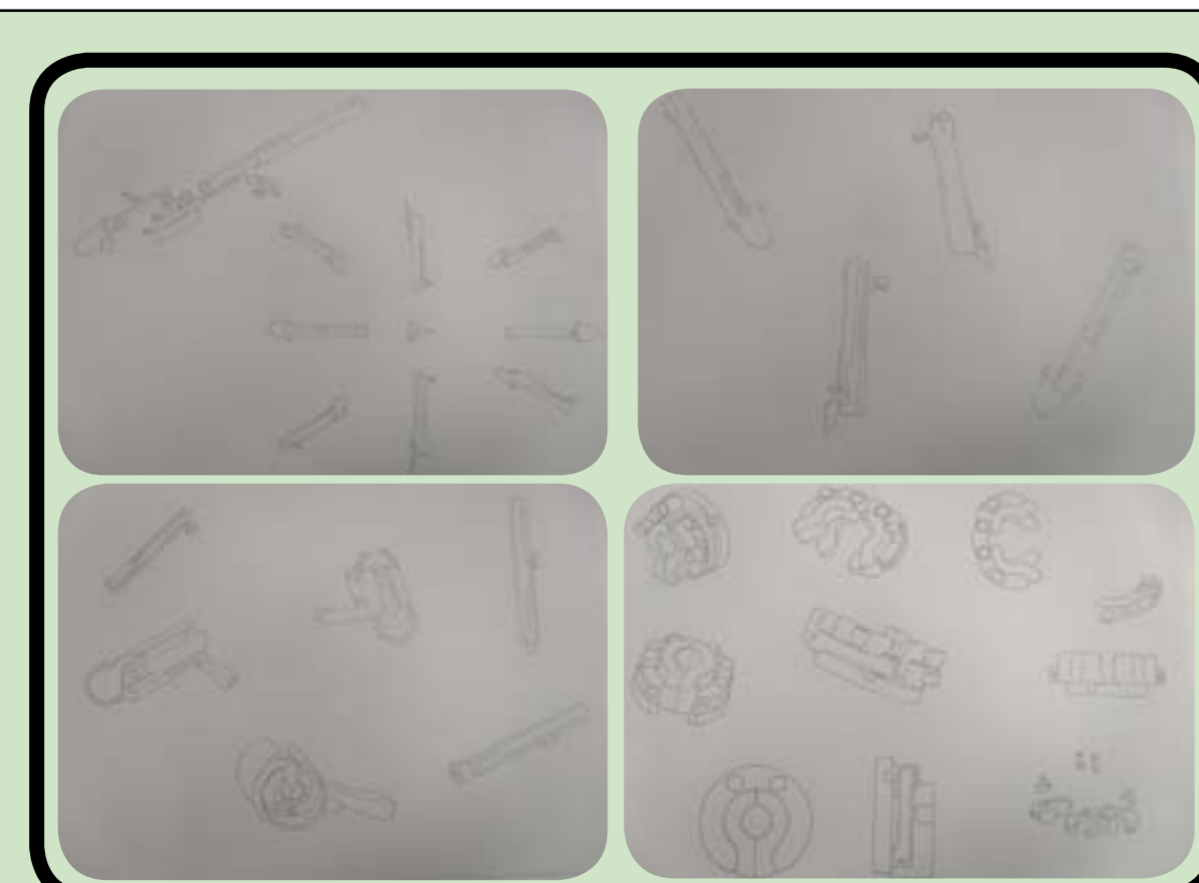
### 4. Placing in and removing Tree Sapling from Chestnut Planter.

It is important to ensure that the saplings roots are placed on the underneath of the planter to ensure the successful plantation of the sapling.

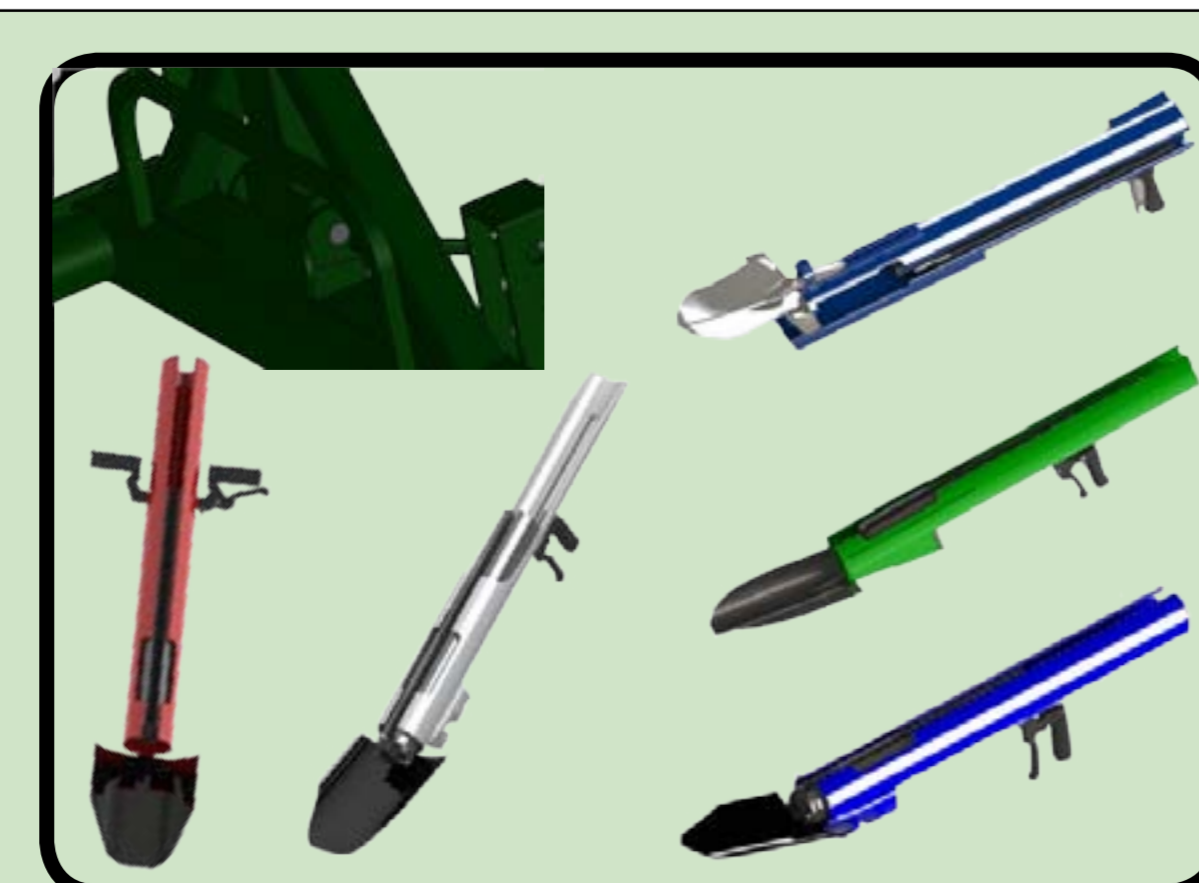
Lift the chestnut planter up and away from the planted sapling



Research Issues



Drawings



Development Drawings



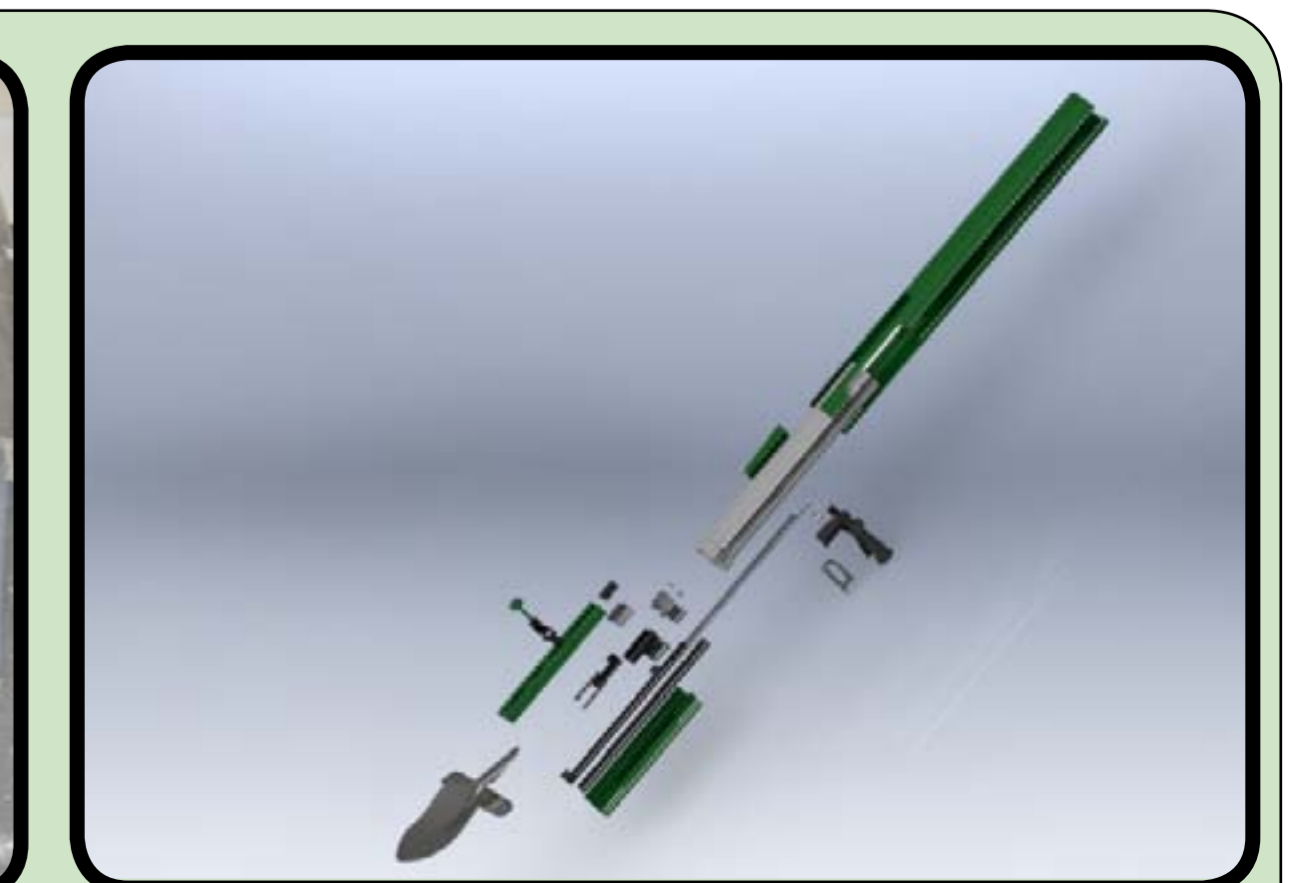
Test Models



Testing



Final Model



Exploded View