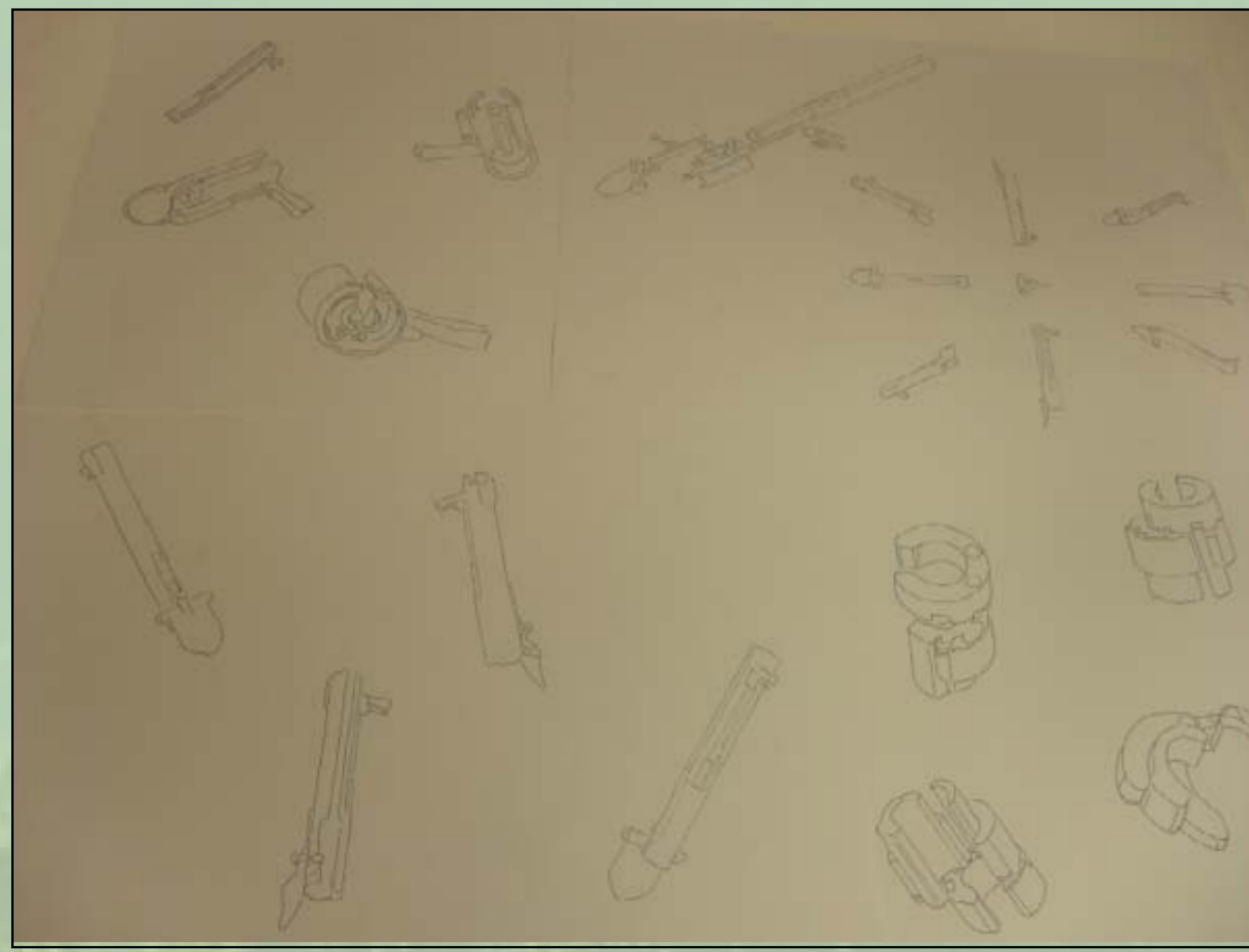




Chestnut Planter

Ensures the Successful Plantation of Forestry

The Chestnut Planter ensures the successful plantation of forestry as it ensures that the tree saplings are planted at the correct depth every time that that you dig your hole. It ensures that every hole that you dig will be the same for each of the sapling roots to ensure that the sapling has the best possible survival rate once it is planted in to the soil. It also eliminates the need to bend down and place the sapling into the soil as the catching mechanism moves the sapling down in to the soil. It will reduce the stress on both the planter and the Planted Sapling.



Drawings



Development Drawings



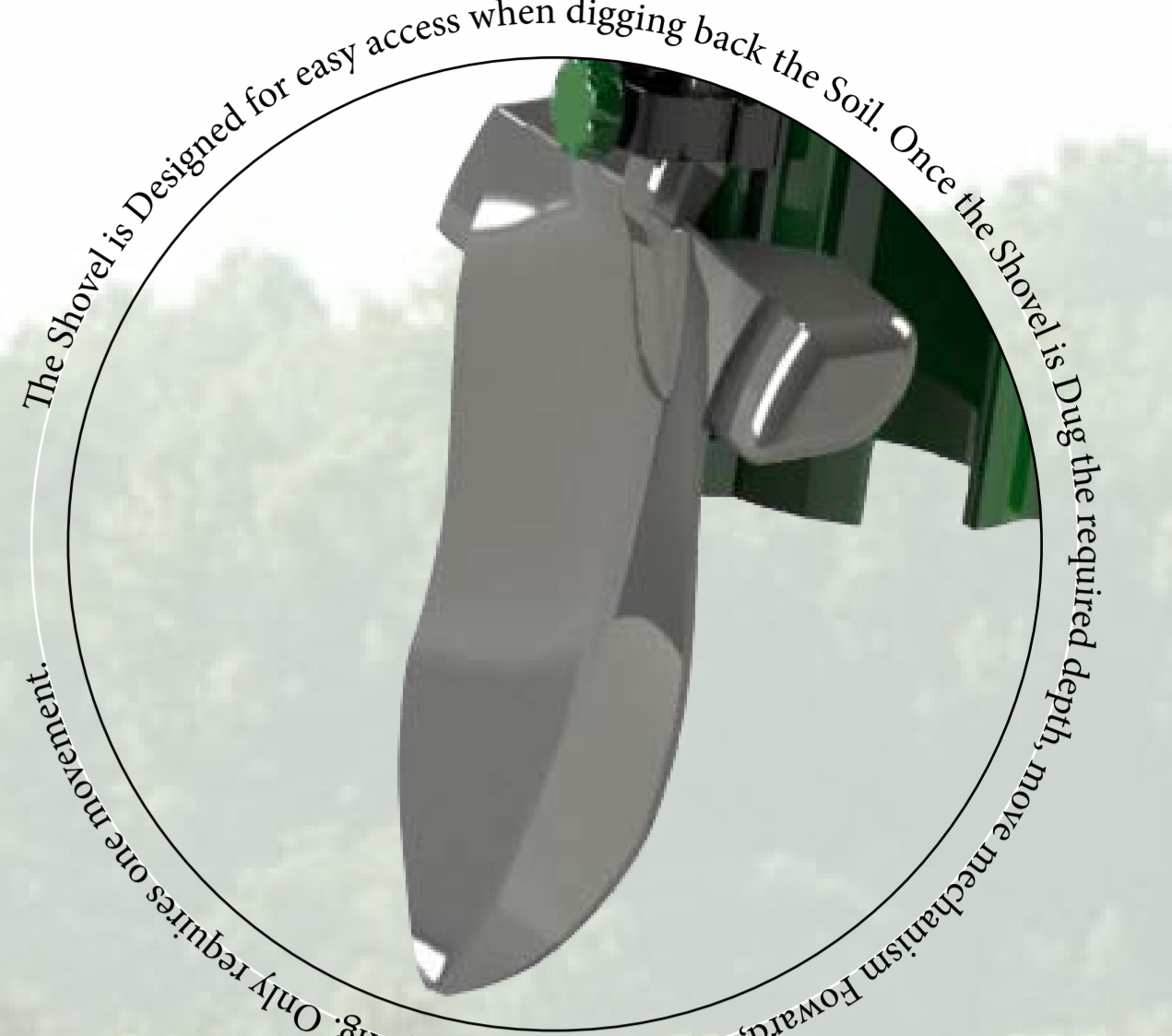
Test Models



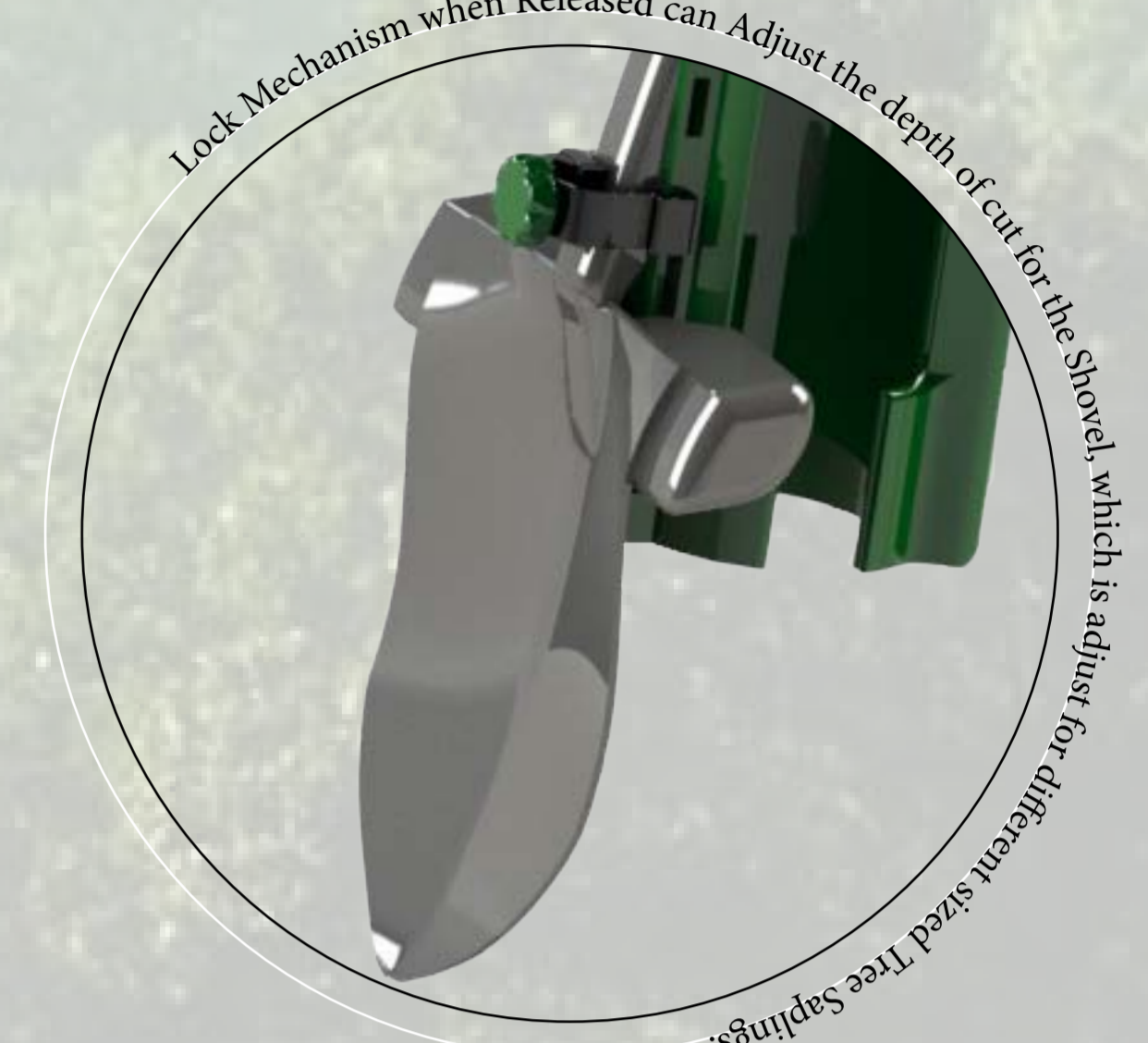
Final Model



Exploded View



The Shovel is Designed for easy access when digging back the Soil. Once the Shovel is Dig the required depth, move mechanism Forward and plant the tree sapling. Only requires one movement.



Lock Mechanism when Released can Adjust the depth of cut for the Shovel which is adjust for different sized Tree Saplings.



Ergonomic Handle to Catch, Release and Press the Tree Sapling in to the Soil.



The Catch Mechanism opens up and the sapling root is caught just over the Root Collar of the Tree Sapling.

How it Works.

- Setting Depth Control of Shovel**
Losen the lock shovel mechanism that is bolted through the shovel.
Open up the two brackets and move the shovel up the shovel moving mechanism.
- 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.
- 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.
- 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.

Issues around Planting Forestry.

Bending Down while Planting.

Incorrectly Planting Saplings.

Approximate planting depth
Root collar
Little Knowledge about Planting.

How its Used.

Set Depth Control of Shovel.

Ensure Handle pushes Core Mechanism up and down.

Open up Catching Mechanism and place in Tree sapling.

Dig Shovel into Soil and pull forward to open up slot in the Soil.

Pack Soil around Sapling.

Area of Planted and Thriving Forestry.