Butter churn

EKO!

https://lowtechlab.dokit.app/wiki/Baratte_%C3%A0_beurre/en

Dernière modification le 31/07/2024

Difficulté Moyen

Durée 3 heure(s)

Coût 3 EUR (€)

Description

A butter churn is a utensil used to transform cream into butter by agitation. It uses a rotating mechanism to separate the fats from the liquid contained in the cream.

Sommaire

Introduction

Welcome to the presentation page for our butter churn project! In a modern world often reliant on sophisticated technology, we've chosen to return to simple, sustainable solutions for essential everyday needs. Our inspiration stems in particular from the French Butter Crisis of 2017, an event that highlighted the vulnerability of our butter supply.

Faced with this crisis, we set out to design a solution accessible to everyone, through the creation of a low-tech butter churn. Our aim is to give people back control over the production of this staple product, by offering a simple, affordable and environmentally-friendly alternative. Through this project, we aim to demonstrate that low-impact technologies can be just as effective, if not more so, than their high-tech counterparts, while promoting greater food autonomy within communities.

Unfortunately, this project could not be completed, but it is a promising start for the future. The project requires very little equipment and costs just €3 instead of €50.

Matériaux

- Old jar (olive here)
- Old PC case
- Different screw sizes
- Threaded insert
- Tree branch (birch here)

Outils

3D Printer
Column drill
Wood saw
Allen key set

Étape 1 - Drill the cover

Drill the holes in the cover as shown in the photo.

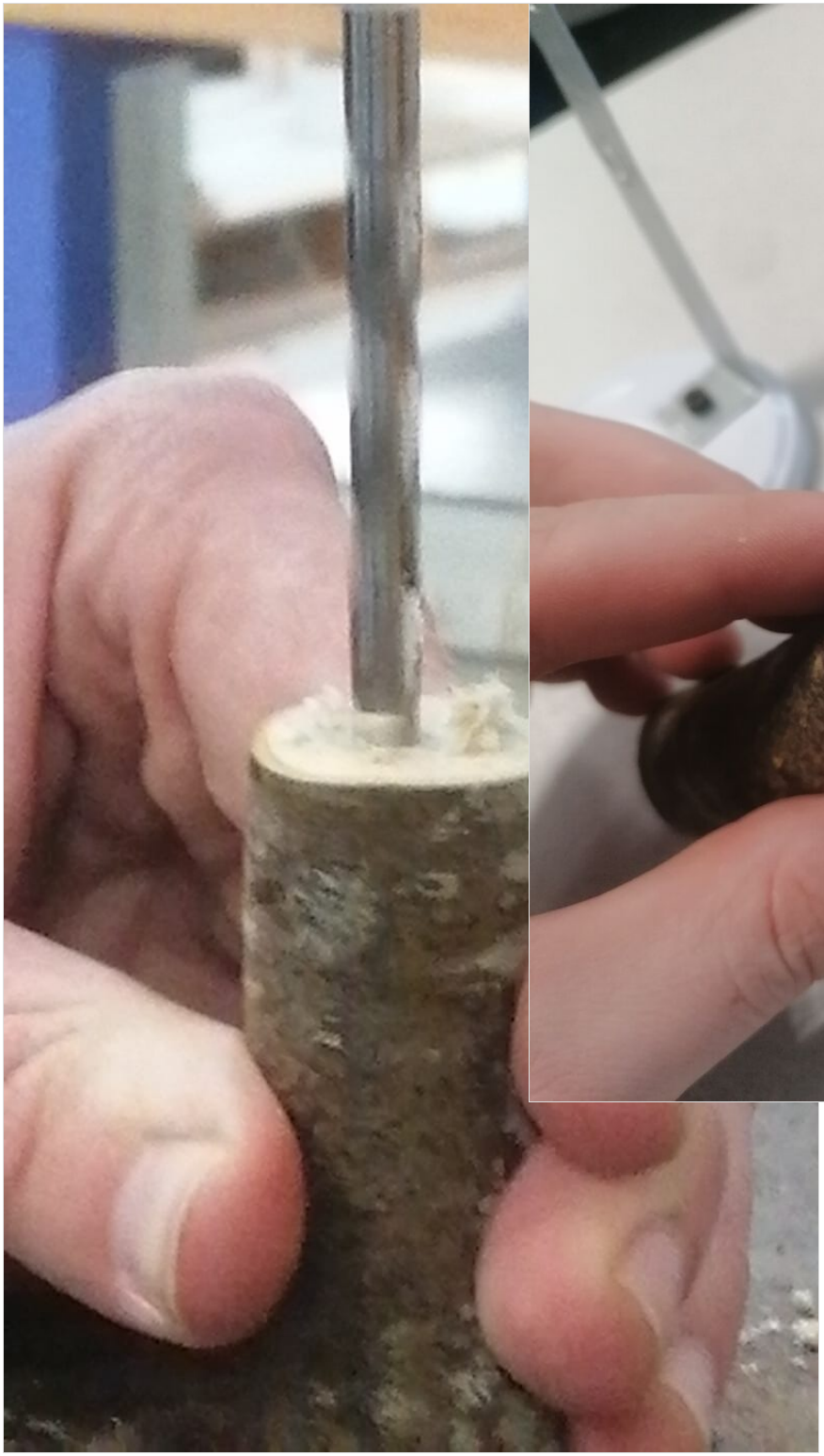
Published
Récupérée de "https://lowtechlab.dokit.app/index.php?title=Baratte_à_beurre/en&oldid=120164"

Étape 2 - Side supports

Cut the side supports out of the sheet metal
Making the fold
Drilling properly
Assembled on the cover

Étape 3 - Create the top handle

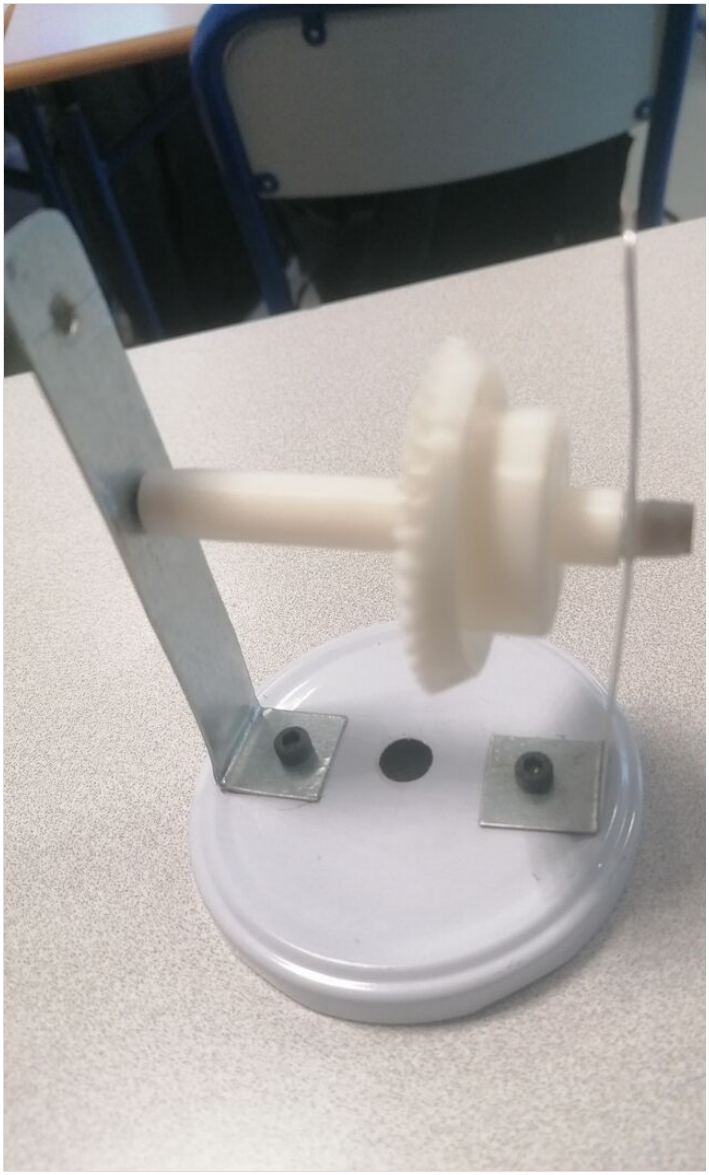
Drilling a piece of birch
Adding screw inserts
Assemble the whole with screws



Étape 4 - Print the tree

Use the 3D file of the tree and add it to the set.

https://www.thingiverse.com/thing:6479752



Étape 5 - Print the lower guide

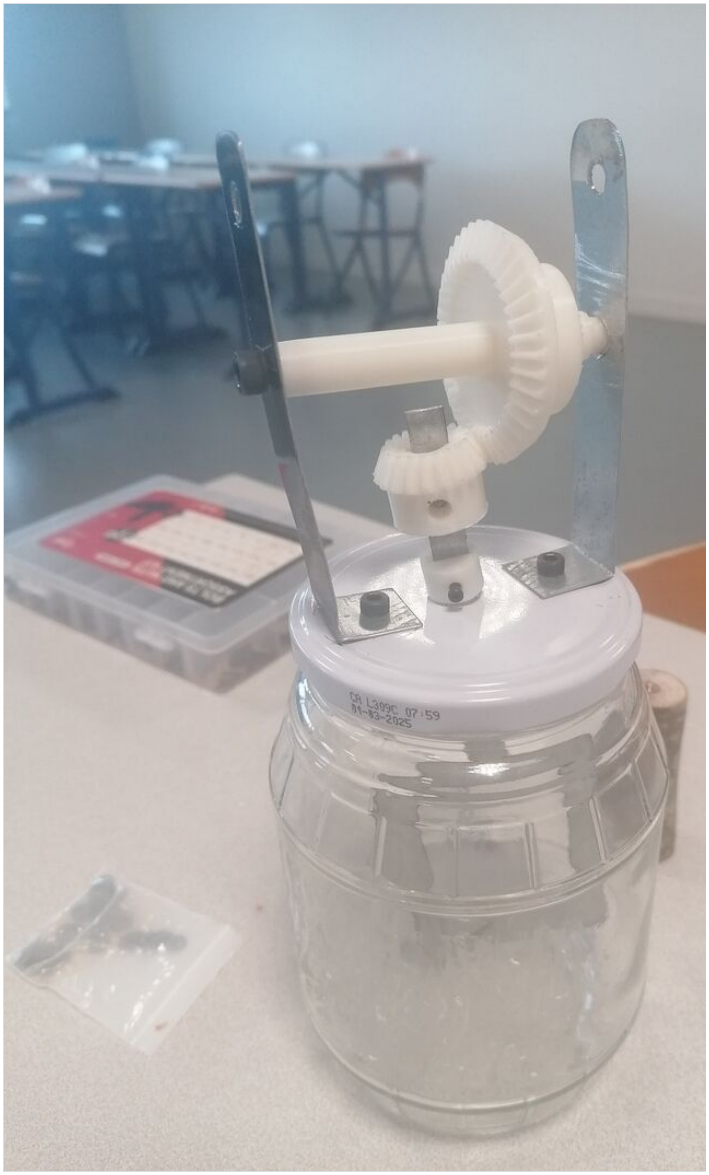
Print the lower guide from your template
Add threaded inserts using a soldering iron
Then screw together

https://www.thingiverse.com/thing:6479752

Étape 6 - Add the lower gear

Print the lower gear from your template
Add threaded inserts using a soldering iron
Then screw together

https://www.thingiverse.com/thing:6479752



Étape 7 - Handle

Cut the handle
Cut out the metal part linked to the handle
Add it all to the set

Étape 8 - Take advantage

Congratulations, be proud of yourself, you've reached the end of the tutorial.