


Butter churn

 Low-tech with Refugees - Low-tech & Réfugiés




https://wiki.lowtechlab.org/wiki/Baratte_%C3%A0_beurre/en

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 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.

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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

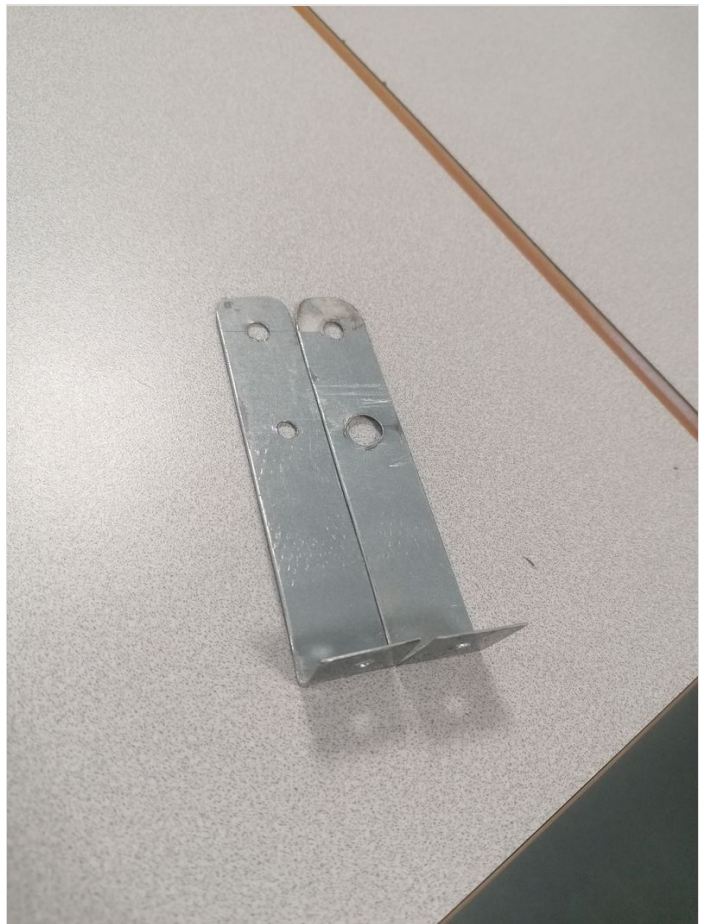
Drill the holes in the cover as shown in the photo.



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.

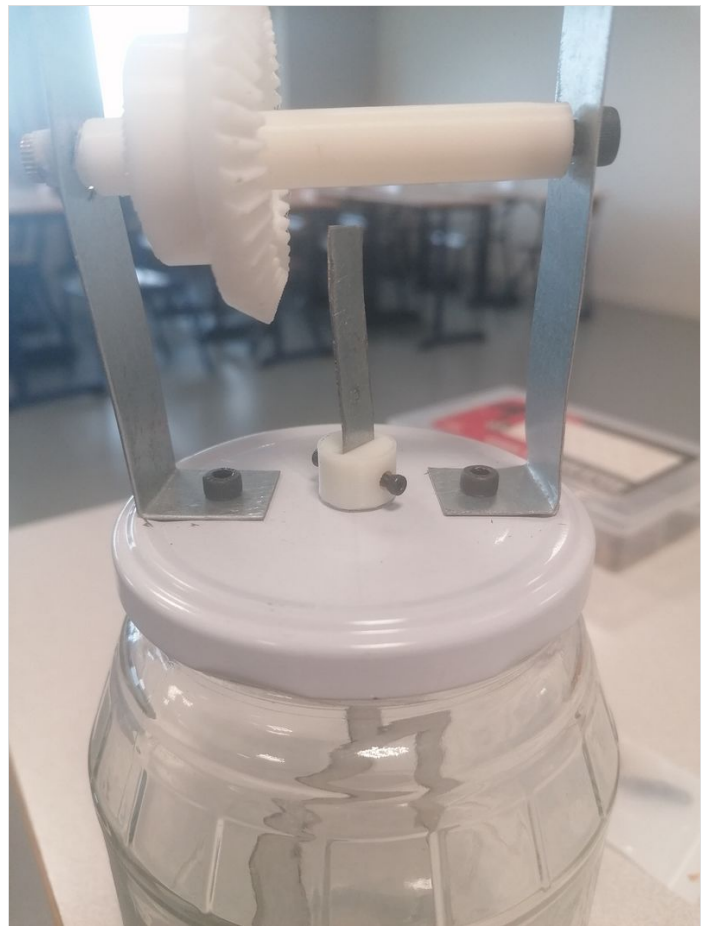
<https://www.thingiverse.com/thing:6479752>



Étape 5 - Print the lower guide

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

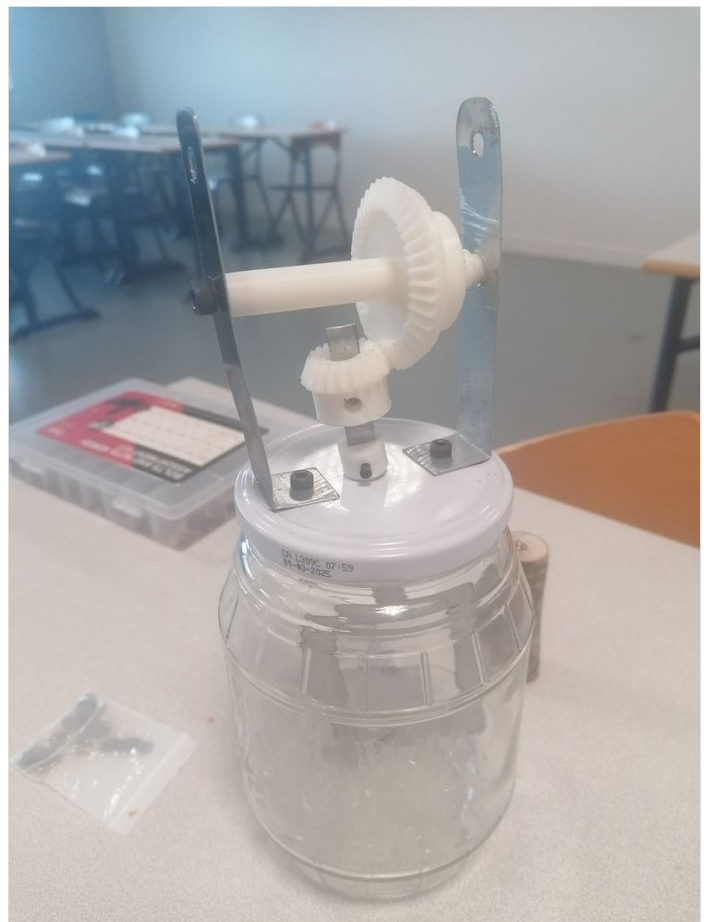
<https://www.thingiverse.com/thing:6479752>



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>

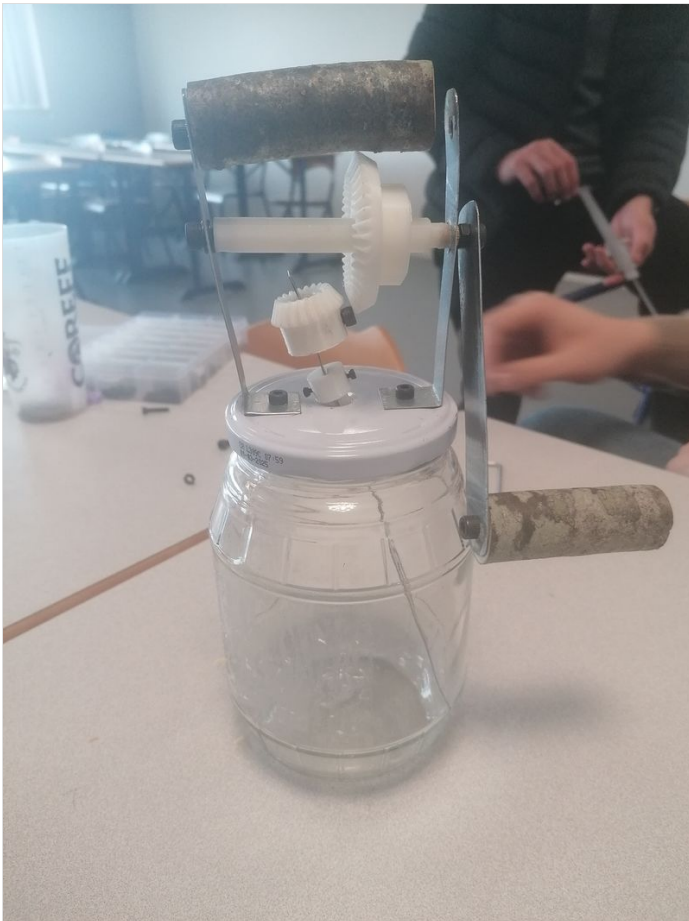


Étape 7 - Handle

Cut the handle

Cut out the metal part linked to the handle

Add it all to the set



Étape 8 - Take advantage

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

