By Alyssa Matheus

How it works





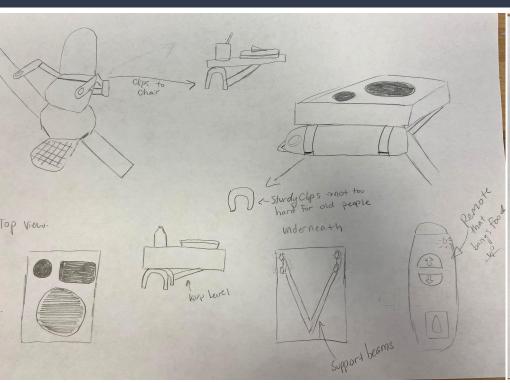
- The caretaker clips it onto the Acorn Stair Lift, which holds the food in place while the remote controls the chair to bring it upstairs to the elderly person.
- The elderly person takes off the tray and clips it to their walker as they go back to their room
- Or, if the elderly person is capable of going to fix their own food, they can clip it onto the stair lift themselves so they can bring it to their room easier.

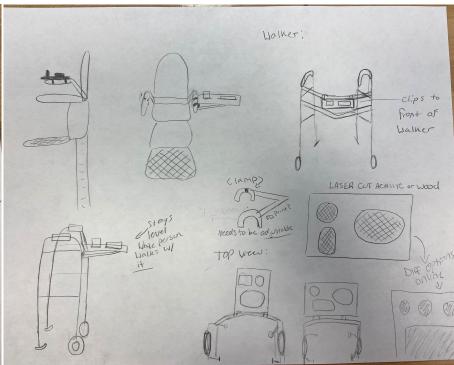
No Spills Tray

Problems it solves:

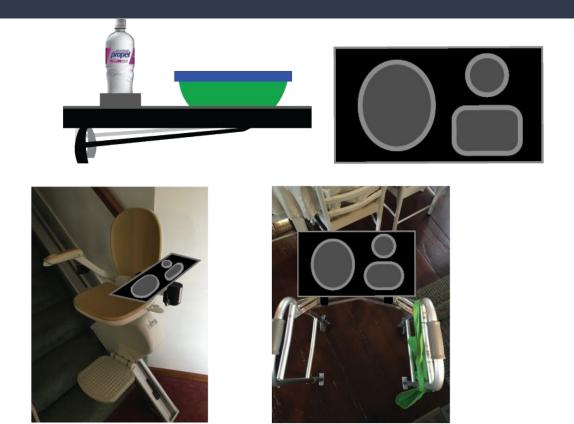
- Elderly that live at home and have stair lifts to go up and down stairs often struggle to carry things like food with them.
- It is a lot of work for the caretaker to have to consistently bring them food.
- This will solve the issue of the elderly not being able to bring food upstairs without spilling it and will save time for caretakers.

Initial Sketches





Refined Sketch



Rough Prototype



Issues: It is unstable, but the size of the prototype is proportional to the final product.

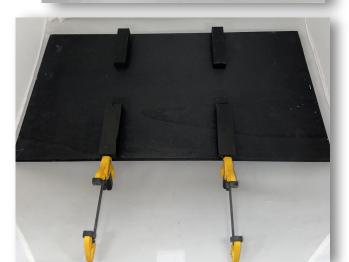
Final Prototype



This prototype includes real magnets and is stable.

Size: 20" x 10"





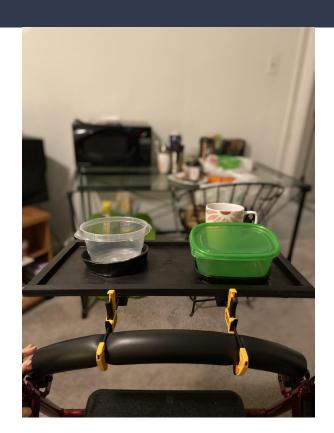
Prototype on Stair Lift







Prototype on Walker





Future Product

- The website would have custom trays so that the customer can choose more than one tray that may be useful to them.
- There will be sets of tubberware that customers can buy as well with the magnets in place.
- Having these options brings in more money