

TEAM TOO CLEAN

Hands Free Wheelchair Wheel Washer



Sean Pacheco



Molly Hale

Molly

- ◎ Super Star
- ◎ Very Active
- ◎ Could Benefit From Hands Free Washer



Problem

- ◉ Wheels Get Dirty After Outdoor Actives
- ◉ Effects Many Wheelchair Users
- ◉ Not Many Solutions On The Market



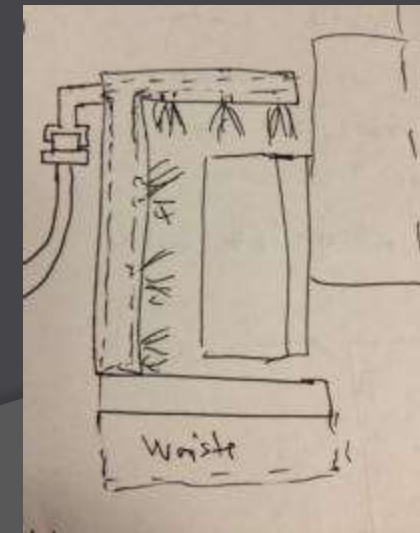
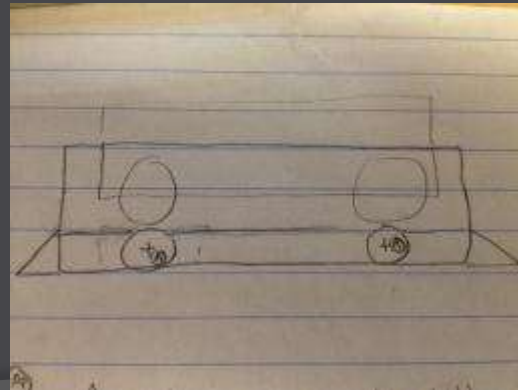
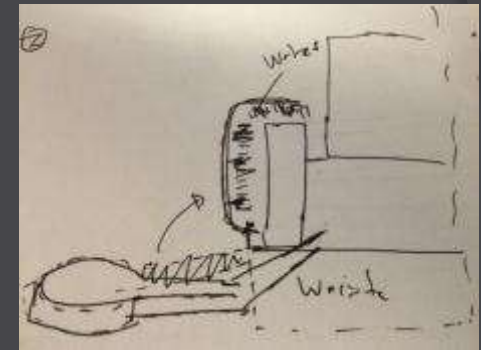
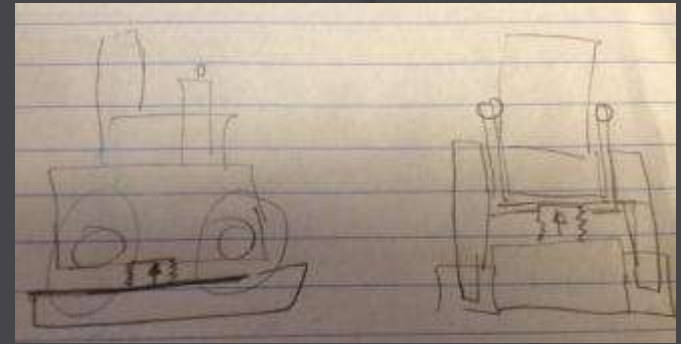
Research

- Not Many Options For Electric Wheelchairs
- NO – TRACS
- Industrial Use



Early Design

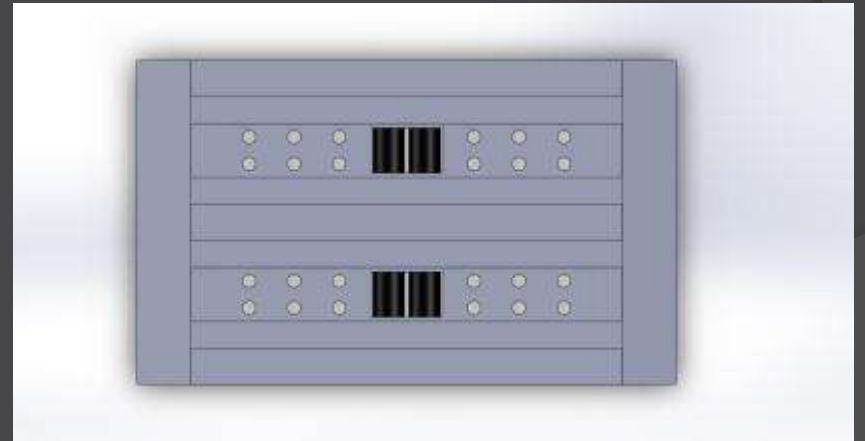
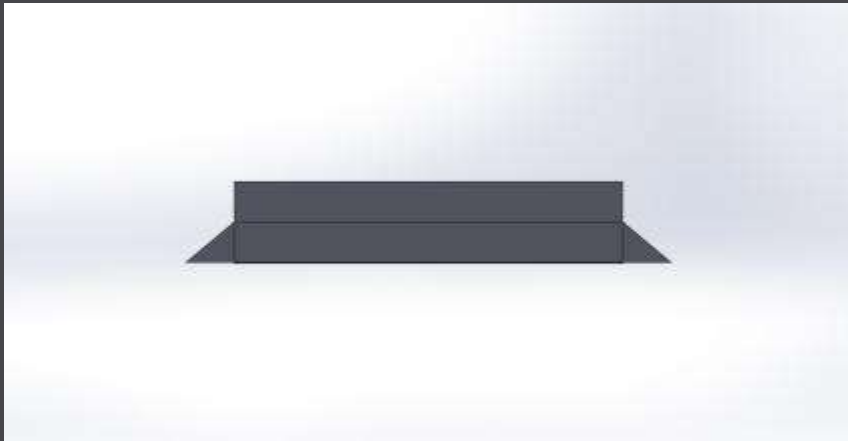
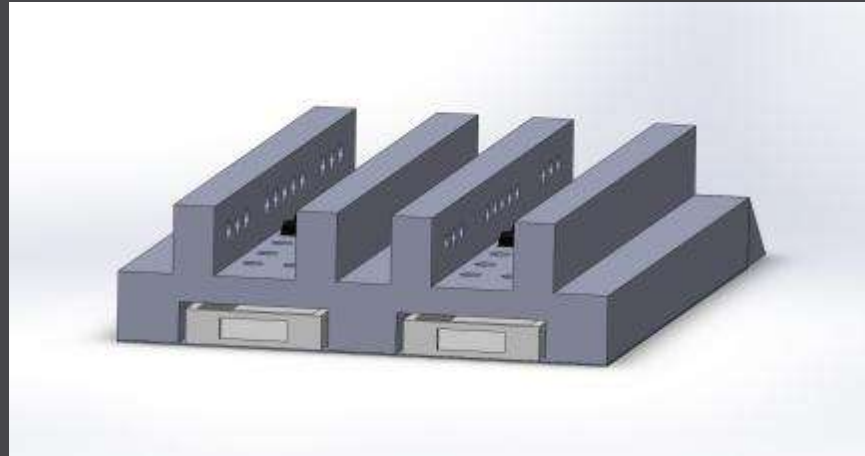
- Chair Lifting Mechanism
- Ratcheting Arms
- Top/One Side Water Jets
- Rollers



Solution

- ◎ More Cleaning Power
- ◎ Cleans Both Sides of Wheels
- ◎ Easy Waste Removal
- ◎ Hands Free Use
- ◎ KISS: Low Tech Solution

Solution



Coming Next

- Anti-Rotation Arm
- Piping and Water Jets
- Fabrication
- Brushes?

