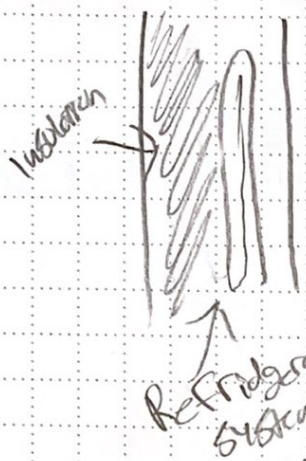
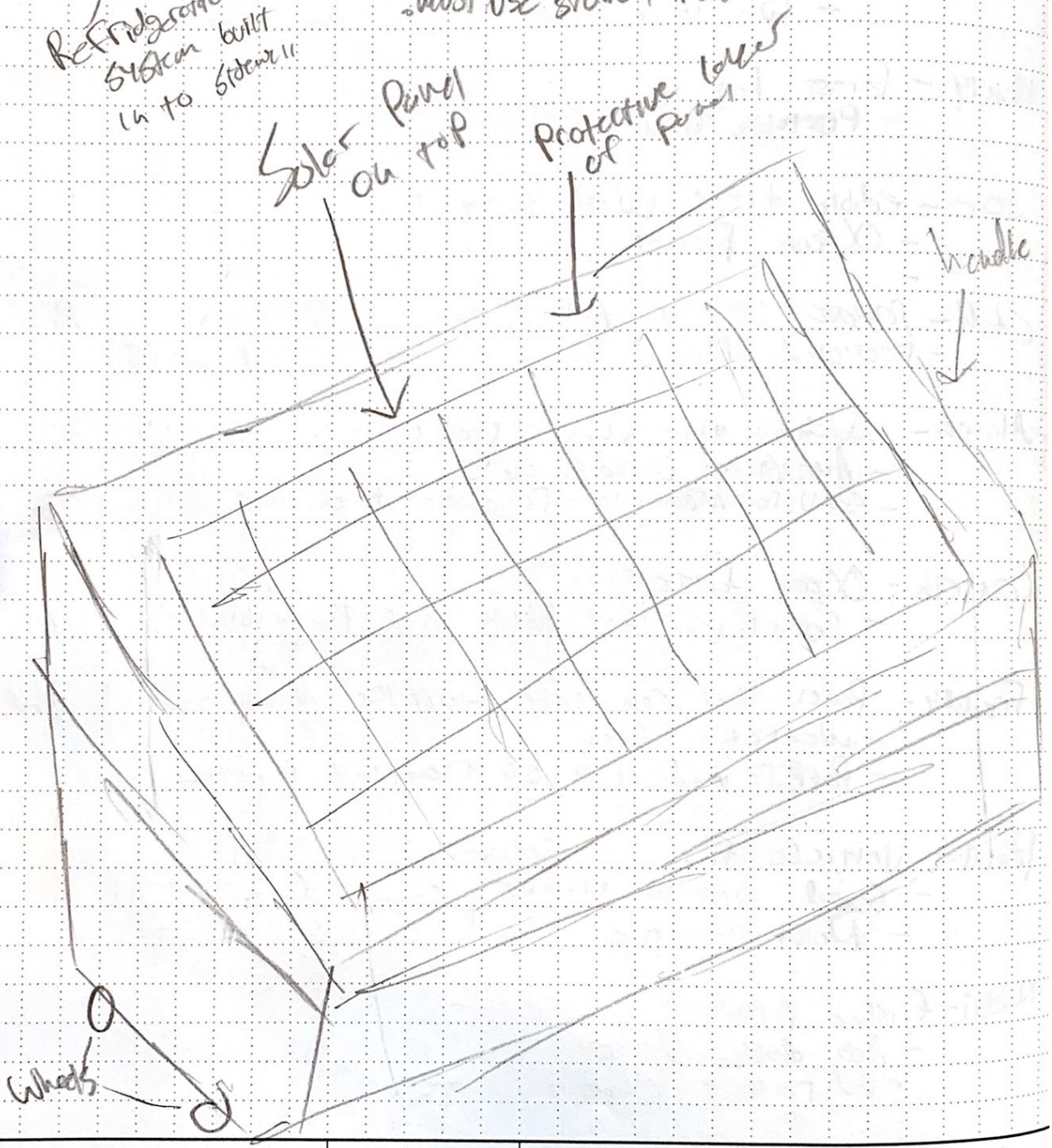


- Refrigeration System in sidewalls
- Batteries and Power in bottom
- Solar Panel on top
- Wheels and handle
- must create good seal
- Panel on top to protect the solar Panel
- MUST USE sturdy Plastic



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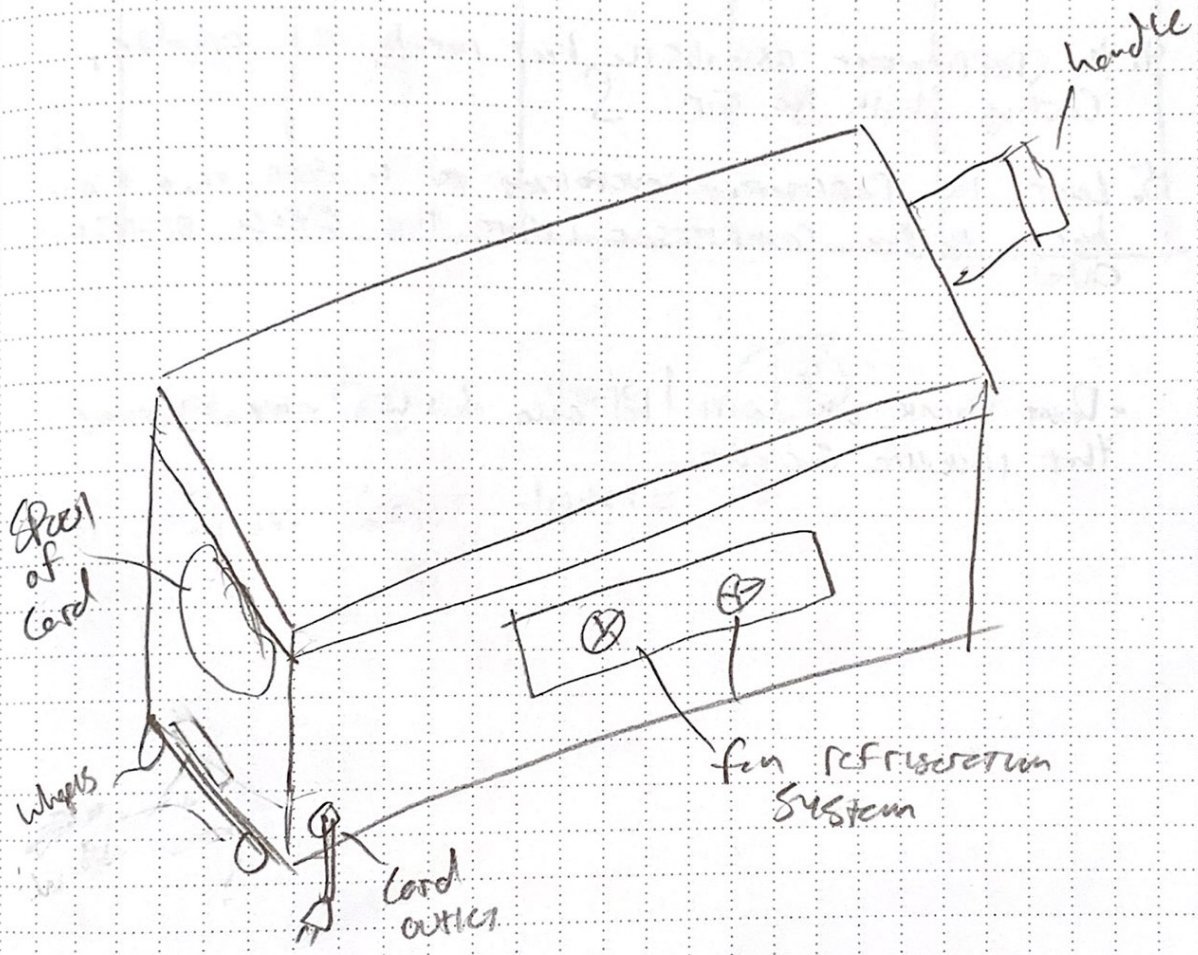
- Refridgeration System in sidewalls
- all Power Systems in bottom
- wheeled
- must use sturdy Plastic
- have a retractable Power cord



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1. Compressor restricts refrigerant vapor, raising its pressure, and pushes it into the coil on the outside of the refrigerator

2. When the hot gas in the coil meets the cooler air temperature of the kitchen, it becomes a liquid

3. Now in liquid form at high pressure, the refrigerant cools down as it flows into the coils inside the freezer and the fridge

4. The refrigerant absorbs the heat inside the fridge, cooling down the air

5. Last, the refrigerant evaporates to a gas, then flows back to the compressor, where the cycle starts all over.

- Dont think we will be able to use our systems that involve coolant

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	Ease of Manufacturing	Price	Interest	Usefulness	environmentally friendliness
Solar coolers	2	2	5	5	4
Plus in Coolers	3	4	2	2	2

Solar Coolers total = 18

Plus in Coolers total = 13

Title: Supplies Needed

- Cheaper cooler of a good size that we can easily tear apart
- Solar Panel that fits on the top of the cooler
- Protective Panel That fits over Solar Panel but does not affect the Performance
- Smaller Battery Pack That can fit in the false bottom of the cooler
- Materials to create the false bottom of the cooler
- Plenty of Wiring
- two thermoelectric double air refrigeration cooling blocks (one for each side)
- extra insulation Material to create insulating layer between battery in false bottom and Contents on cooler

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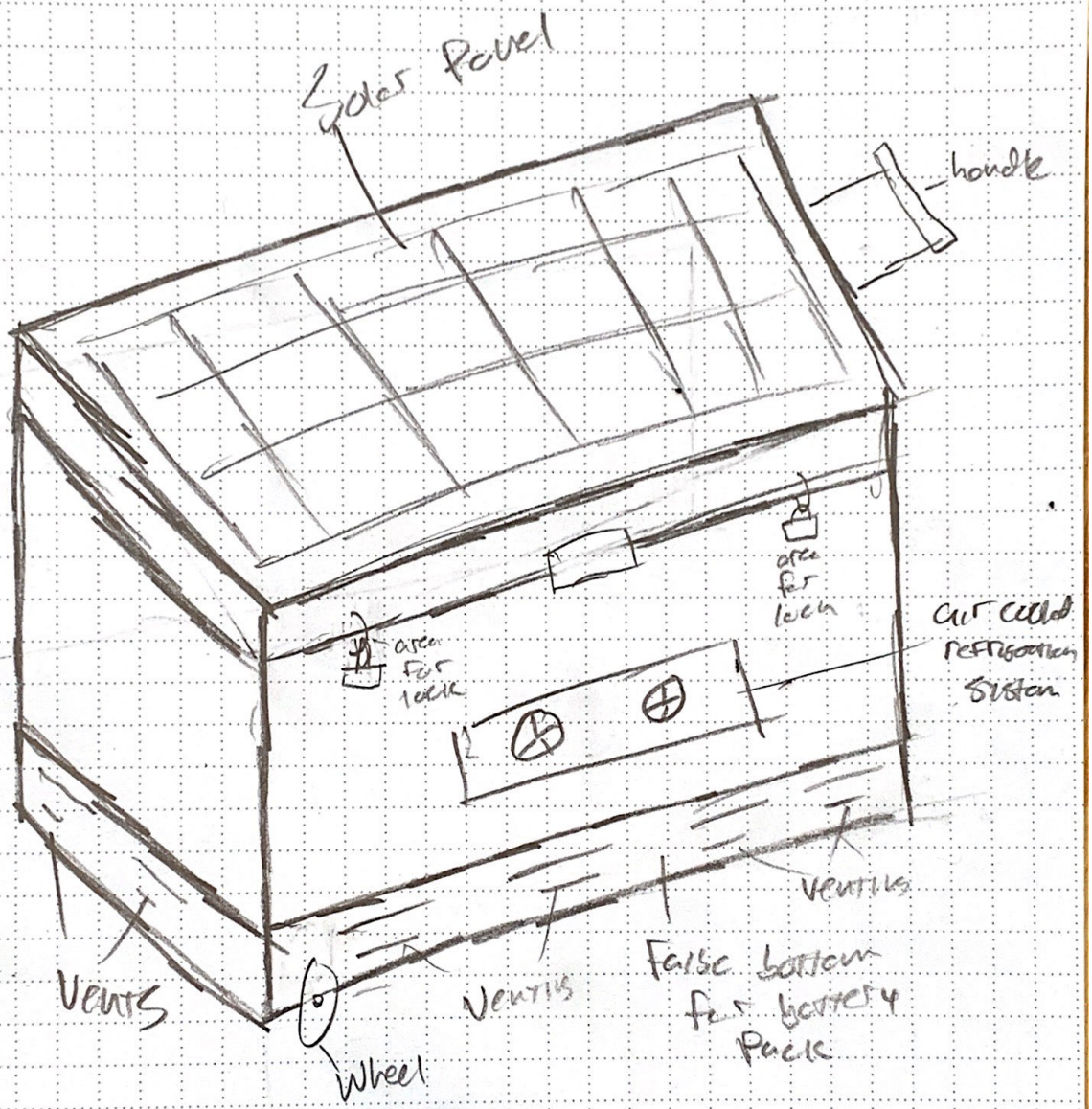

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