Multifunctional Clothes Drying Rack

FU SHAO-YU, LI TAO-RAN, TAI PEI-SHAN, TAI PEI-LING

Korrnell Academy, Zhubei City, Hsinchu County, Taiwan (R.O.C.)



Introduction

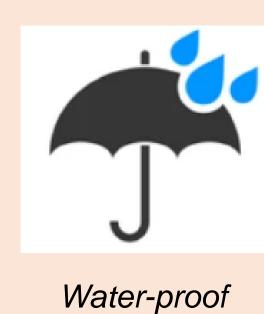
As the name suggests, the clothes drying rack is a clothes rack with multiple functions. It is not only dust-proof, quick dry, and even sterilized.

- > Drying clothes indoor when its raining outside.
- > Improves the wardrobe rack to have the effects of dust-proof.
- > Dried quickly when using with hair dryer.
- > Equipped with ultraviolet light, which can achieve sterilization effect.



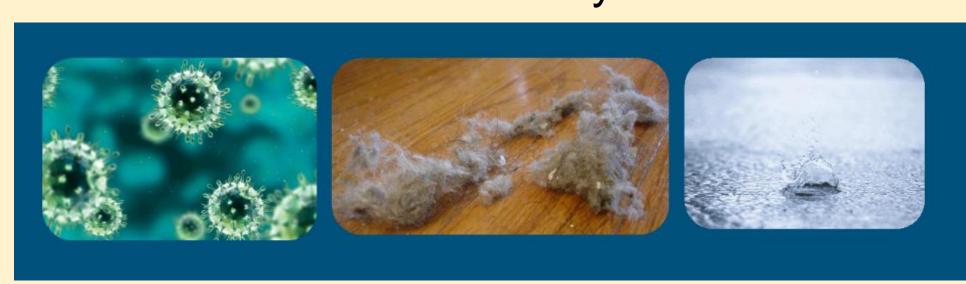






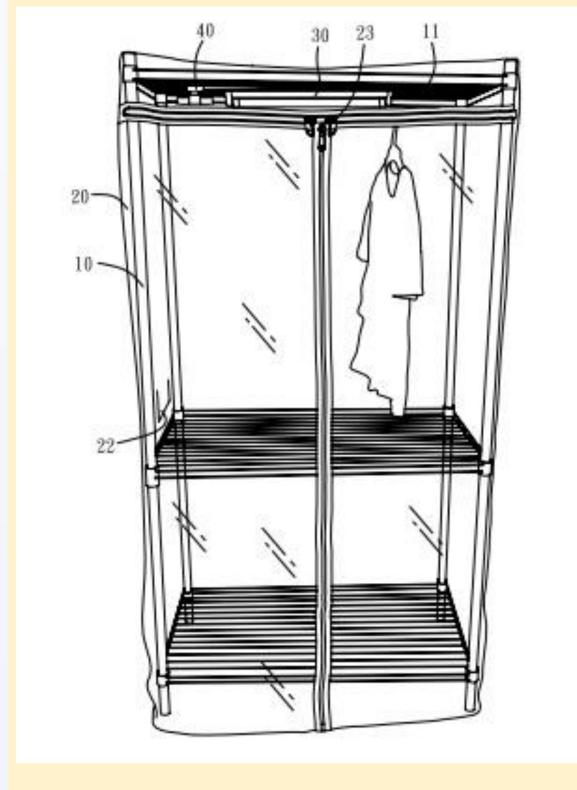
Motivation

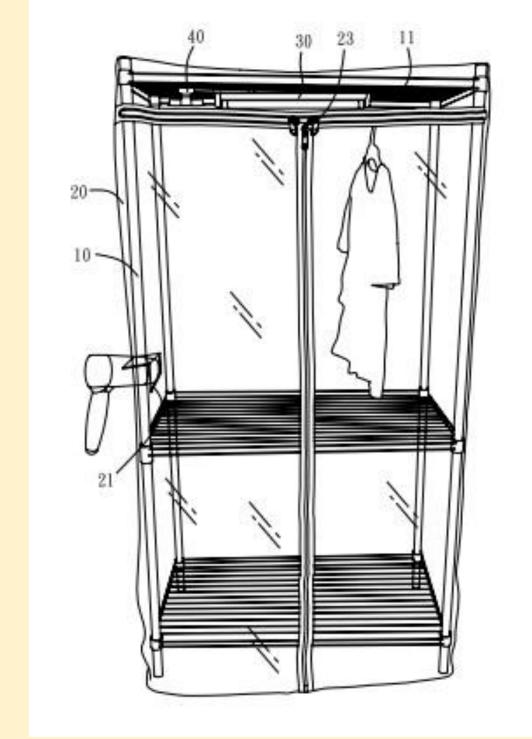
- 1. Design Concept
- A. Design Concept
- B. Due to COVID-19, people concern about anti-pathogen.
- C. People argue that when its rains, we can not dry our cloth properly.
- D. Clothes may have germs.
- E. People may have problems when back to home and there's no time to dry and clean clothes.
- F. Normal closet aren't easy to move around the houses.
- G. Normal closet were easy to have dust

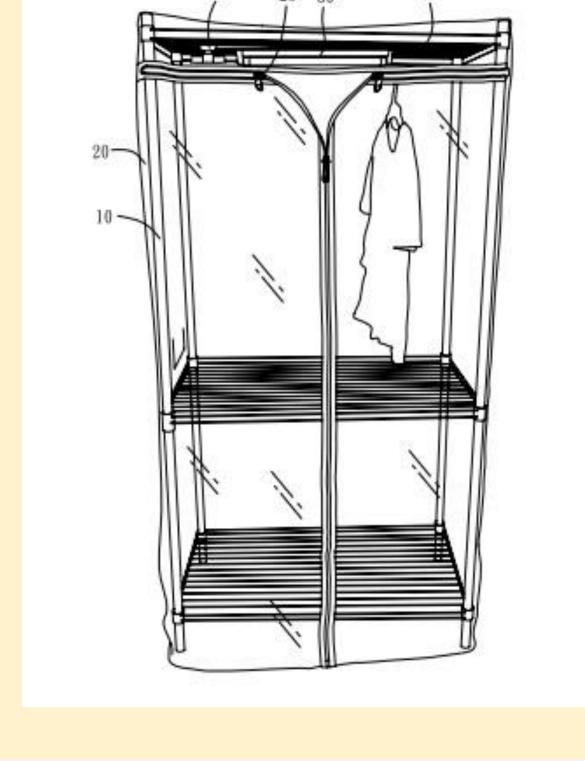




2. Design Diagram

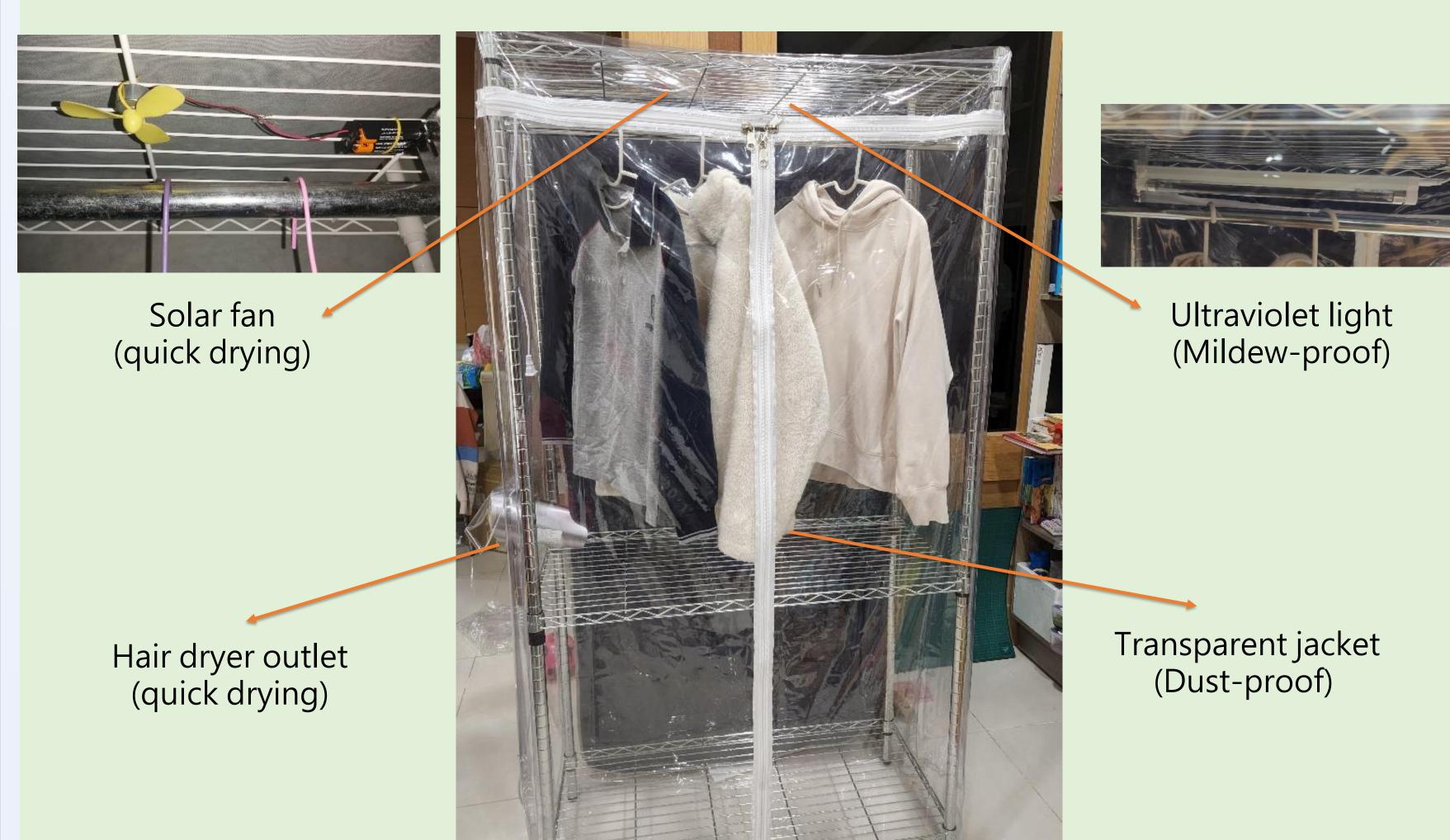






Implementation

> Easy to setup within 10 minutes.



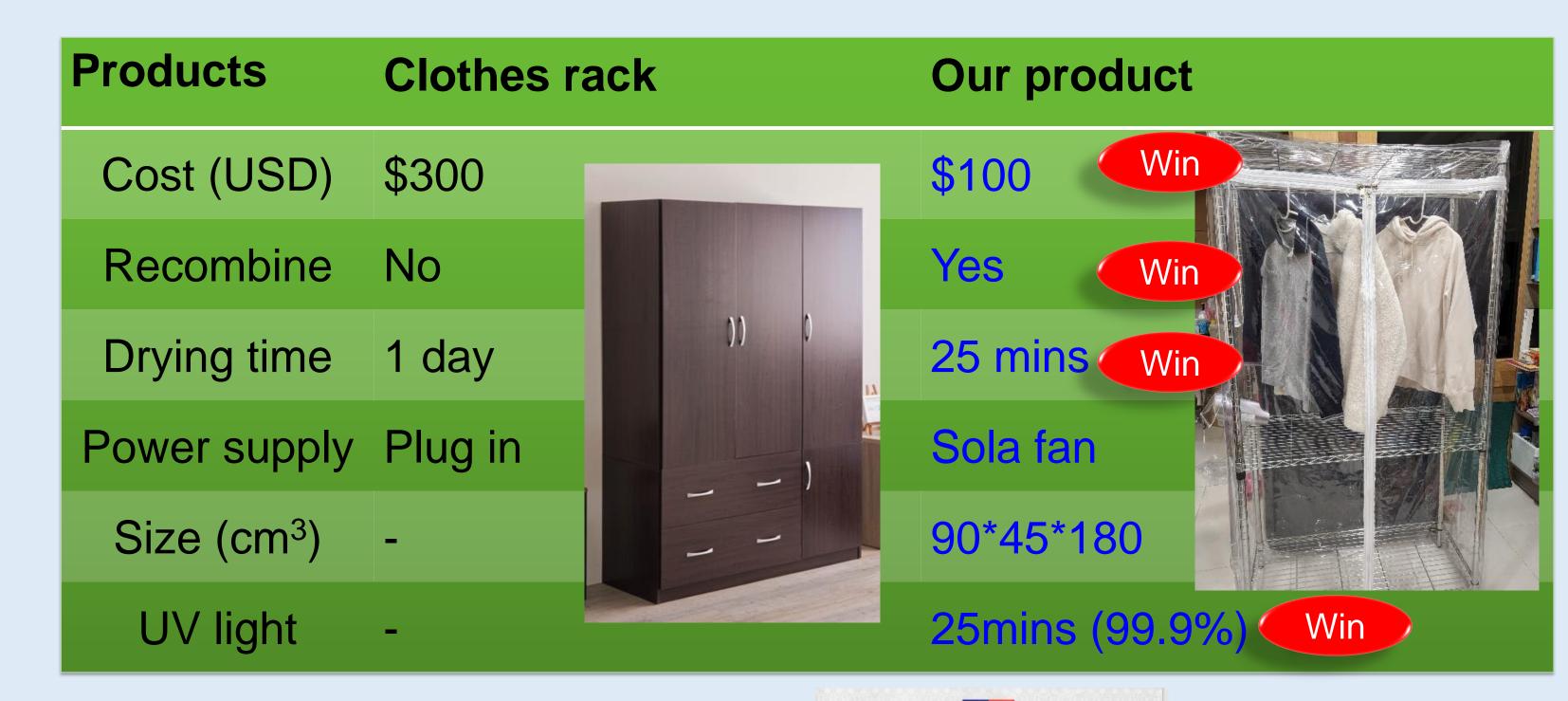
Multifunctional clothes drying rack

Advantages

1. Comparison (with Functionality spec.)



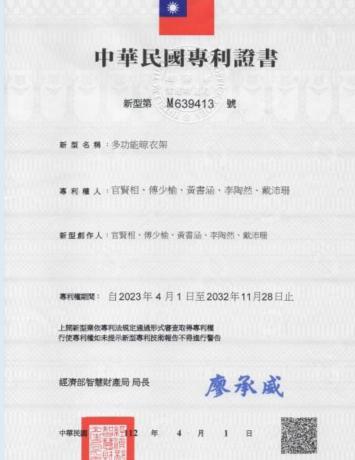
2. Benchmark Results (with Testing data)



3. Patent Application



#M639413



4. Awards







Conclusion and Expectation

- 1. The Multifunctional clothes drying rack can achieve key features like Quick drying, Mildew-proof, Dust-proof, and Water-proof with low-cost design that is convenient to recombine to anywhere without outdoor limitation.
- 2. Expectation
- A. Can expand larger space hang up more clothes
- B. Can be collapsible
- C. Scalable size for portable use.
- D. Can be more easy to move around.
- E. Include steam to iron clothes and deodorant.
- F. Ability of humidity detection.



Acknowledgment

- > Thanks teacher Guan's coach.
- > Thanks team's cooperation.

