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Taiwan Invention Products Promotion Association



Multifunctional Clothes Drying Rack

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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.
 - People may have problems when back to home and there's no time to dry and clean clothes
 - Normal closet aren't easy to move around the houses.
 - G. Normal closet were easy to have dust





Design Diagram







Implementation

Easy to setup within 10 minutes.



Advantages

1. Comparison (with Functionality spec.)

Products	Clothes stand	Our product
Size	Small	Small
Outdoor (Water-proof)	No	Yes Win
Sterilize (Mildew-proof)	No	Yes Win
Dust-proof	No	Yes Win
Quick-drying	No	Yes Win

2. Benchmark Results (with Testing data)



3. Patent Application



#M639413



4 Awards







Conclusion and Expectation

- 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.





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