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T. J. BELFRANCI

CLOTHES DRYING PROJECTOR

Filed April 8, 1922

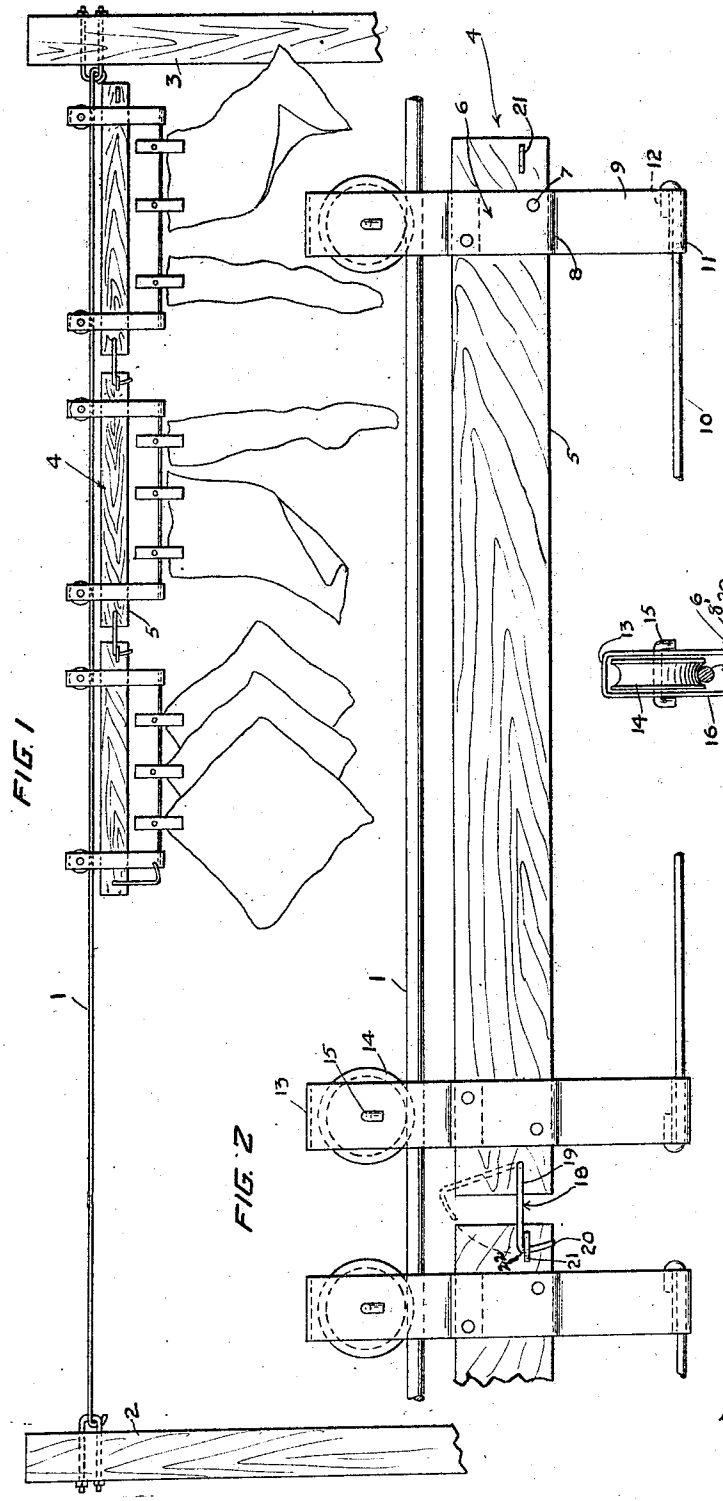


FIG. 1

FIG. 2

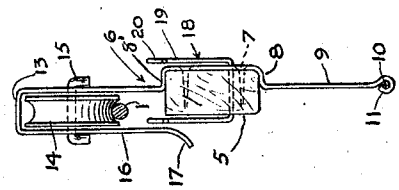


FIG. 3

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UNITED STATES PATENT OFFICE.

THOMAS J. BELFRANCI, OF OROVILLE, CALIFORNIA.

CLOTHES-DRYING PROJECTOR.

Application filed April 8, 1922. Serial No. 550,815.

To all whom it may concern:

Be it known that I, THOMAS J. BELFRANCI, a citizen of the United States, residing at Oroville, in the county of Butte and State of California, have invented new and useful Improvements in a Clothes-Drying Projector, of which the following is a specification.

This invention relates to improvements in clothes line apparatus and resides in the provision of a novel clothes projector or supporting frame which is adapted to slidably suspend clothes from a clothes line in order that they may be effectively dried and easily moved on the line.

One of the objects of the invention is to provide a clothes projector of such a nature that a plurality of such projectors may be quickly and easily mounted on a clothes line and a large quantity of clothes hung out, in an easy and effective manner, the said device providing for movement of the clothes along the line as desired, with the use of but a single line.

Another object of the invention is to provide a clothes drying frame or projector which will be simple as to construction, consist of but few parts and which is inexpensive and capable of being readily and easily handled.

The invention possesses other advantages and features some of which, with the foregoing will be set forth at length in the following description where I shall outline in full that form of the invention which I have selected for illustration in the drawings accompanying and forming a part of the present specification. In said drawings I have shown one form of the construction of my invention, but it is to be understood that I do not limit myself to such form since the invention as expressed in the claim may be embodied in a plurality of forms.

Referring to the drawings:

Fig. 1 represents a side elevation of clothes drying apparatus constructed in accordance with the present invention.

Fig. 2 represents an enlarged side elevation showing one of the projectors or drying frames of the invention and a part of another of said frames, as when mounted upon a line.

Fig. 3 is an end view.

In carrying out the invention I provide a single clothes line or wire 1, which is fixed at its ends to suitable supports 2 and 3, and is adapted to support a plurality of clothes drying frames or projectors of my invention, generally designated 4.

Each of the frames or projectors comprises preferably a wooden body strip or portion 5 in the form of a light rectangular bar, to the end portions of which are secured attaching members generally designated 6. The attaching members 6 each comprise a single strip of metal such as strap or sheet metal, which is secured intermediate of its ends by suitable fastening elements 7. One side of each of the metal strips of which the members 6 are formed is then bent right angularly as at 8′ and 8 to overlie the upper and lower edges respectively of the body portion. The strip extends downwardly from the lower side of the body portion and provides a hanger 9 for a clothes supporting wire or rod 10. The lower ends of the hangers 9 are bent around the wire 10 as shown at 11 and the wire is bent back upon itself as shown at 12, so that it is securely fastened to the hangers and will extend parallel to and below the body portion, directly in line with the latter. From the upper side of the body portion the strip of metal of each member 6 extends upwardly right angularly and then downwardly so as to provide an inverted U-shaped bracket 13 in which a pulley or roller 14 is mounted, there being pins 15 inserted thru the bracket 13 so as to support the roller or pulley. The arm 16 comprising one side of the bracket is extended downwardly below the upper edge of the body portion 5 and then flared outwardly as at 17 so as to serve as a guard and also to provide a space which will permit of the mounting of the pulley or wheel upon the clothes line 1, as shown particularly in Fig. 3. The arm 16 is resilient and located sufficiently close to the body portion so that it has to be sprung or forced outwardly when forcing the line 1 into position to engage the wheel. In this way the line is prevented from accidentally moving outwardly from within the bracket should the wheel or roller disengage from the wire. It will thus be seen that the single strips of metal or strap iron constituting the members 6 serve the three fold purpose of connecting the hanging rod or wire 10 with the body portion 5, supporting the pulleys or rollers which are adapted to ride upon the upper side of the clothes line 1 and provide an at-

taching device by means of which the projectors may be readily placed upon or removed from the clothes line.

At one end of the body portion 5 there is mounted a substantially U-shaped hook member 18, the bight portion 19 of which extends transversely thru and is rotatable on the body portion, whereas the bill portions 20 are adapted to be removed into and out of extended position. The other end of the body portion 5 has extended transversely through it a metal plate 21 having apertures 22 in its outer ends, which ends are disposed on opposite sides of the body portion so that the bill portions 20 of the hooks on adjacent projectors may be moved into and out of the apertures.

In using the projectors of my invention a single projector is attached to the clothes line 1 by forcing the line between the outwardly flared end 17 of the arm 16 and causing the line to engage the under sides of the rollers or pulleys. After this the clothes may be fastened by employment of the ordinary clothes pins to the wire or rod preliminary to attaching the projector. After one projector is attached to the line, it is moved forwardly to make room for another projector. After being attached to the line and having the clothes hung thereon, it is connected with the first projector by having the bill portions of the hook member on one of the projectors inserted thru the apertures in the metal plate in the other projector and the two projectors are moved outwardly on the line. This adding of projectors and connecting them, one with the other, is continued until the line is filled.

To take in the clothes after drying thereof, the closest projector is removed from the line, either before or after having the clothes taken therefrom, by disconnecting the hook member attaching it to the next adjacent projector, and the line of projectors is pulled inwardly until the next adjacent projector is available for removal of clothes therefrom and in order that it may be also removed from the line.

By using projectors of my invention I may employ a single taut clothes line instead of using an endless line with pulleys and thereby do away with the laborious pulling of the line. The weight of the clothes, taking into consideration that the projectors are connected, one with the other, is sufficient to prevent the clothes from being blown into entanglement with the line by the wind.

I claim:

Apparatus for drying clothes comprising in combination with a clothes line a body portion, attaching members carried by the body portion and extending above and below the same, a clothes supporting element extending substantially parallel to and beneath the body portion and supported by the lower portions of said members, said members where extended above the body portion being bent into an inverted U-shape and adapted to receive a clothes line between portions thereof and an anti-friction element carried by said U-shaped portion and adapted to ride upon the clothes line, one side of said U-shaped portion being extended so as to lie below the horizontal plane of the top of the body portion and turned outwardly to serve as a guard.

THOMAS J. BELFRANCI.