E. M. WITHERELL.

HOSIERY CARRIAGE.

APPLICATION FILED JULY 12, 1920.

1,384,547. Patented July 12, 1921.

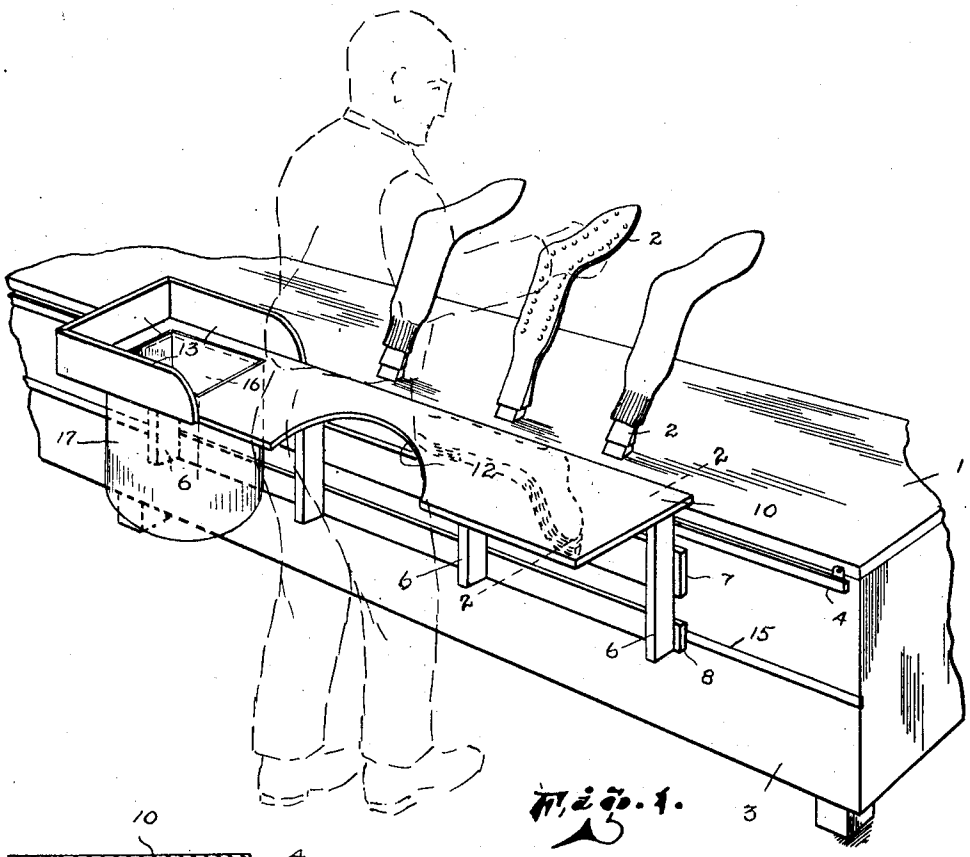


Fig. 1.

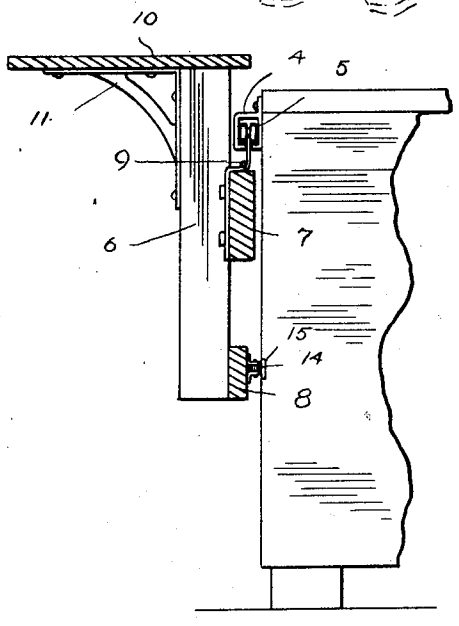


Fig. 2.

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HOSIERY-CARRIAGE.

1,384,547. Specification of Letters Patent. Patented July 12, 1921.

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To all whom it may concern:

Be it known that I, EARL M. WITHERELL, a citizen of the United States, residing at Duluth, in the county of St. Louis and State of Minnesota, have invented certain new and useful Improvements in Hosiery-Carriages, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to hosiery drying apparatus and has special reference to a traveling receptacle or carriage designed for the convenience of one engaged in the manipulating of hose to and from vertically disposed drying forms such as are commonly used in the art, and for the expedition of such work.

It is customary, under ordinary circumstances, for one, engaged in drying hose, to carry a bundle of the damp hose about with him and place them individually in close juxtaposition to the drying forms, then remove the hose which have become dry upon the forms, carry them to a place of deposit, again returning and placing the damp hose upon the forms; while with my improved apparatus or hosiery carriage, the operator has with him at all times sufficient damp hose on the carriage to fill the forms and ample room for placing the dried hose on the carriage, as they are removed from the forms, on which they are conveyed to the end of the counter or table upon which the drying process is taking place.

In the accompanying drawings forming part of this application and which illustrates one embodiment of my invention,

Figure 1 is a perspective view of a drying counter equipped with the improved hosiery carriage, and

Fig. 2 is a transverse sectional view taken on the line 2—2, Fig. 1.

Referring to the drawings by reference numerals, of which like ones indicate like parts,

1 represents a counter or table upon which a series of drying forms indicated at 2 are installed in an upwardly extending inclined position, the inclination being away from the front edge of the table or counter, all of which are customary and well known in the art as at present practised.

On the upper edge of the front wall 3 of the counter, I have installed as a part of my improvement, a horizontally disposed hollow track 4, such as is commonly used, for example on barn doors or other sliding doors of like character. Within this track is a trolley 5, of which, in this instance, there are two, for dependingly supporting a frame structure comprising the uprights 6 and the horizontal members 7 and 8. A hinge joint is also shown at 9 as installed in the depending arms of the trolleys 5, which is common in such devices and provides some desirable yieldability of the mechanism to prevent its binding during operation. On top of the uprights 6 is installed a flat platform 10, it being additionally supported by suitable brackets indicated at 11 and is a fixed portion of the frame structure previously described, which, combined, form the hosiery carriage. Centrally within this platform and extending from the outer edge inwardly to a suitable distance is an arcuately shaped cutaway portion forming the recess indicated at 12, and to the left of this recess surrounding the end of the platform 10 are side or upright boards 13 forming an inclosure about one end of the platform in which are carried the damp hose prior to their being placed upon the forms, while the opposite end of the platform is clear and unobstructed forming a convenient surface on which to place the dried hose when removed from the form and where they are usually carefully stacked to avoid distortion or disfigurement while their places upon the forms are being taken by succeeding damp hose until such time as the operator wishes to remove the collection of dried hose thus stacked on his carriage to their place of final deposit in so far as the drier is concerned.

On the inner face of the horizontal members 8 are installed small rollers 14 which bear against a flat metal track 15 installed within the front face 3 of the counter and which rollers are for anti-friction purposes that the carriage may be operated as easily as possible, as is obvious.

At 16 I have shown in dotted lines where an opening may be made through the platform 10 and from which a bag, indicated at 17, may be suspended for the purpose of increasing the carrying capacity of the platform and hold the damp hose more compactly for retaining the moisture therein.

The operation of the device is as follows:

When an operator is about to place a number of damp hose upon such drying forms as herein described, he first places them in the receptacle on the left end of the carriage platform, when he will advance in the act of placing the hose upon the forms with the lower portion of his body encircled by the arcuate receptacle in the platform, and, as he moves to and fro, laterally, in the process of applying or removing hose from the forms, the action of his body will actuate the carriage, resulting in there being ever present while thus operating the conveyance or carriage a supply of damp hose as previously described.

A number of these carriages are and have been in practical operation for some time giving remarkable satisfaction and increasing the efficiency of the drier using same, and are deemed a material advance in the art of hosiery drying that will prove of great benefit to those engaged therein.

It is to be understood that various modifications from the specific structure herein illustrated may be resorted to without departing from the spirit of the appended claims which more precisely set forth the invention.

Having thus described my invention what I claim and desire to secure by Letters Patent, is:

1. In combination; an elevated structure, a horizontally reciprocal carriage supported coöperatively adjacent the structure having a cutaway portion therein whereby the body of a person engaging said cutaway portion of the carriage will automatically cause the same to remain in close juxtaposition to the person when he moves parallel to said structure.

2. A reciprocable hosiery carriage for driers, use comprising an upright frame structure, a platform covering the upper edge of the structure and extending at right angles thereto, an inclosure about one end of the platform, the other end of the platform being smooth and unobstructing, and a cutaway portion in the centermost outer edge of the platform for the reception of the user's body whereby the latter will cause the carriage to reciprocate with the user.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

EARL M. WITHERELL

Witnesses:
REG. L. COWEN,
S. C. BRONSON.