

UNITED STATES PATENT OFFICE.

EVERETT A. MESSERLY, OF SANTA BARBARA, CALIFORNIA, ASSIGNOR TO
TROY LAUNDRY MACHINERY CO., LIMITED, OF TROY, NEW YORK, A
CORPORATION OF NEW YORK.

DRYING-FRAME.

SPECIFICATION forming part of Letters Patent No. 745,641, dated December 1, 1903.

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To all whom it may concern:

Be it known that I, EVERETT A. MESSERLY, a citizen of the United States, residing at Santa Barbara, in the county of Santa Barbara, State of California, have invented certain new and useful Improvements in Drying-Frames, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a drying-frame, and particularly to a foldable frame mounted upon a standard so as to occupy a minimum of horizontal space in order to permit the entrance thereof into a drying-room—such, for instance, as the ordinary sectional dry-room used by laundry establishments.

The invention has for an object to provide a frame for drying curtains or other large articles which could not be introduced in a dry-room upon the ordinary stretching-frames owing to the lack of space, and contemplates the provision of a foldable frame mounted upon standards, so that when folded the ends of this frame approach the standards, and thus occupy a minimum of space in a horizontal plane.

A further object of the invention is to provide an improved construction of this foldable frame comprising a slidable cross-bar mounted upon the standards upon which the adjoining ends of the frame-sections are pivoted and ribs pivotally connected to each section of the frame and at their opposite ends to a fixed support, whereby in the folding of the frame the meeting edges of the sections travel upward upon the standards.

Other and further objects and advantages of the invention will be hereinafter set forth and the novel features thereof defined by the appended claims.

In the drawings, Figure 1 is a perspective of the frame in its open position. Fig. 2 is an end view thereof in its closed position, and Fig. 3 is a side view of the frame in its closed position.

Like letters of reference refer to like parts in the several figures of the drawings.

The letter A designates standards, which may be supported upon a base in any desired manner—for instance, for convenience of movement thereof upon a truck A' by means of suitable fittings A² at the base thereof—and may, if desired, be braced by the braces A³, mounted upon the truck-frame. For the purpose of securing rigidity the upper ends of these standards may be connected together by a cross-bar A⁴, and each of the standards may be provided at any desired point with a handle A⁵ for the purpose of moving the truck toward and from the dry-room. Mounted upon these standards is a folding frame composed of opposite sections B and B', which are pivoted to a centrally-disposed cross-bar B² by any desired form of pivots, as shown at B³, so as to be capable of independent rotation in the vertical movement of the bar B² upon the standards. For the purpose of facilitating this movement this bar is provided at opposite ends with sleeves B⁴, slidably mounted on the standards A, and projecting from the sleeves are handles B⁵ for convenience in raising and lowering the bar. The side bars comprising the frame B and B' are connected together at their outer ends by means of end bars B⁶, secured thereto by clamping-couplings of any desired construction—for instance, as shown at B⁷, where the upper portion of the coupling receives the end bar B⁶ and adjustably holds the same by means of the set-screw B⁸, while the lower portion thereof is adjustably secured upon the side bars by means of the clamp B⁹. Each of the side and end bars may be provided with any suitable attaching means for the curtain or other article to be dried—for instance, hooks B¹⁰, as shown, upon the end bars.

Each of the side bars comprising the frame B and B' is provided at its mid-length with a coupling C, which may be of any desired construction, preferably provided with pivoting-ears C' upon its under surface and secured in position by a set-screw C², while extending from these ears to a fixed bar C³ is a supporting brace or rib C⁴, pivoted at its upper end

to the ears and at its lower end to the bar C³ by means of the eye C⁵, as shown. This bar C³ is suitably retained in position upon the truck—for instance, by means of sockets
5 formed in the fittings A² at the opposite ends thereof.

From the foregoing description it will be seen that the curtain or object to be dried is applied to the frame when in the open position shown in Fig. 1, and the central bar of the frame is then raised by means of the handles at the opposite ends thereof toward the top of the standards, bringing it into the position shown in Fig. 2, and thus disposing the sections of the frame diagonally to the standards and practically within the compass or horizontal dimensions of the truck by which it is carried. This permits a large curtain, spread, or other article to be placed
20 in an ordinary sectional dry-room, and thus dried in an ordinary laundry appliance provided for other articles and obviates the necessity of providing a special room or apartment for the purpose of drying such large articles.
25 It will also be obvious that when the parts are in the folded position they are held against further movement by the disposition of the ribs in a practically vertical plane, while by a simple downward movement upon the handle controlling the central cross-bar the parts
30 may be again opened into the horizontal position, as shown in Fig. 1, for the removal of the dried articles. The invention also provides a construction of parts which is capable of application to the ordinary standards
35 carried by trucks for dry-rooms and is capable of use with such rooms as are now ordinarily constructed for the reason that the dimensions of the folded parts are practically
40 the same as that of the truck by which they are carried.

It will be obvious that changes may be made in the details of construction and configuration without departing from the spirit
15 of the invention as defined by the appended claims.

Having described my invention and set forth its merits, what I claim, and desire to secure by Letters Patent, is—

50 1. A drying-frame comprising a guiding-standard, a slidable bar mounted thereon, opposite frame-sections pivotally connected to said bar and supports for said sections pivotally connected thereto.

55 2. A drying-frame comprising standards, a slidable bar mounted thereon, opposite frame-sections pivotally connected to said bar, a fixed support at the base of said standards, and supporting-braces pivotally connected
60 at their opposite ends to each of said sections and said fixed support.

3. A drying-frame comprising standards, a slidable bar mounted thereon, opposite frame-sections pivotally connected to said bar, a
65 fixed support at the base of said standards,

supporting-braces pivotally connected at their opposite ends to each of said sections and said fixed support, and end bars adjustably mounted upon the side bars of each of said sections.

70 4. A drying-frame comprising standards, a slidable bar mounted thereon, opposite frame-sections pivotally connected to said bar, a fixed support at the base of said standards, supporting-braces pivotally connected at
75 their opposite ends to each of said sections and said fixed support, end bars adjustably mounted upon the side bars of each of said sections, and a movable truck upon which said standards are supported.

80 5. In a drying-frame, a truck, a foldable frame mounted thereon to lie in a single plane when opened and adapted to fold upon itself into a substantially vertical position relative to said truck with its ends adjacent
85 to the sides thereof.

6. In a drying-frame, a truck, a guiding-standard mounted thereon, and a sectional drying-frame having the sections thereof
90 slidably mounted on said standard at their inner ends and adapted to lie in a horizontal position when open and in a substantially vertical position extending from the top of the standard to the sides of the truck when closed.

95 7. In a drying-frame, a base, standards thereon, a cross-bar extending between the same and provided at its opposite ends with slidable sleeves mounted thereon, frame-sections pivotally mounted upon said cross-bar,
100 and supporting-braces connecting said sections to said base.

8. In a drying-frame, a base, standards thereon, a cross-bar extending between the same and provided at its opposite ends with
105 slidable sleeves mounted thereon, frame-sections pivotally mounted upon said cross-bar, supporting-braces connecting said sections to said base, an adjustable coupling for said
110 braces mounted upon the side bars of the frame, end bars for said frame-sections adjustably mounted upon the side bars thereof, and means carried thereby for supporting the article to be dried upon the frame.

9. In a drying-frame, a truck, standards
115 thereon, a cross-bar extending between the same and provided at its opposite ends with slidable sleeves mounted thereon, a handle projected from one of said sleeves, frame-sections pivotally mounted upon said cross-bar,
120 supporting-braces connecting said sections to said truck, an adjustable coupling for said braces mounted upon the side bars of the frame, end bars for said frame-sections adjustably mounted upon the side bars thereof,
125 means carried thereby for supporting the article to be dried upon the frame, and a handle carried by one of said standards for moving the truck and parts carried thereby.

10. In a drying-frame, a truck, standards
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supported thereby, opposite frame members
slidably mounted upon the standards, a fixed
pivot at the base of said standards, and sup-
porting-braces extending from said pivot
5 and pivotally connected to each member of
the frame whereby when the adjoining ends
of the members are raised to the top of the
standards the side bars thereof will be dis-

posed in a vertical plane diagonally to the
standards.

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

EVERETT A. MESSERLY.

Witnesses:

H. D. ARMSTRONG,
CHAS. E. LINZER.