

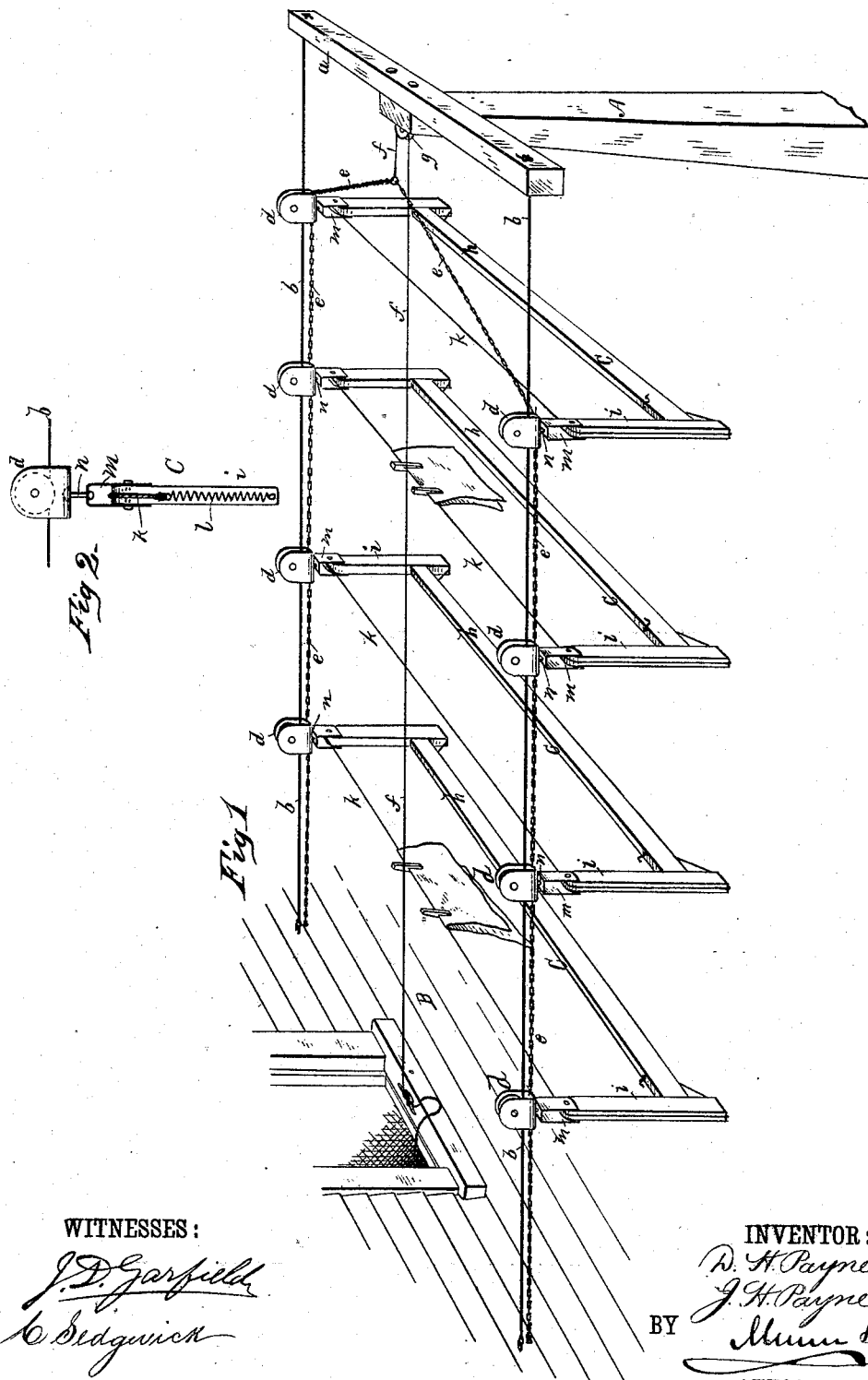
(No Model.)

D. H. & J. H. PAYNE.

CLOTHES DRIER.

No. 261,754.

Patented July 25, 1882.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID H. PAYNE AND JEROME H. PAYNE, OF TROY, NEW YORK.

CLOTHES-DRIER.

SPECIFICATION forming part of Letters Patent No. 261,754, dated July 25, 1882.

Application filed March 25, 1882. (No model.)

To all whom it may concern:

Be it known that we, DAVID H. PAYNE and JEROME H. PAYNE, of Troy, in the county of Rensselaer and State of New York, have invented certain new and useful Improvements in Clothes-Driers, of which the following is a full, clear, and exact description.

Endless ropes running over pulleys have been employed for drying clothes, but are objectionable on account of the difficulty of hanging clothes upon them at windows, and, further, they are of limited capacity.

The object of our invention is to furnish a drying apparatus of large capacity or extent of line compared with the length and space occupied, and which can be used with great convenience; to which end our invention consists in suspended racks connected and arranged for movement on fixed lines or rails, as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a perspective view of our improved clothes-drier in position for use, and Fig. 2 is a detail view.

A is a post fixed at a suitable distance from the house represented at B, and fitted at its upper end with a cross-bar, *a*.

bb are rails of stout wire, preferably attached to the ends of cross-bar *a*, and extending to the building, to the side of which the rails are attached.

C C are racks or frames suspended by rolling sheaves *d* from the rails *b*, so as to move freely on the rails.

The racks are connected by chains or cords *e e*, that connect to the sheaves at each side, and at the outer rack the chains are connected to a rope, *f*, that passes around a pulley, *g*, on post A, and from thence back to the window.

The racks C consist each of a longitudinal bottom bar, *h*, and end bars, *i i*, to which the sheaves *d* are connected. A wire or rope, *k*, stretched from one end bar to the other, serves for hanging the clothes upon, and these wires are extended down beneath the end bars, *i*, and connect at their ends to the bars *h*, so as to brace and stiffen the racks. I prefer to use

wire, but rope may be used, and in that case, to allow expansion and contraction, the ends of the ropes are to be connected to spiral springs attached to the end bars of the racks, as shown at *l* in Fig. 2.

The racks are hung from the rolling sheaves *d* by hangers *m*, which are connected to the sheave-boxes by pins *n*, so that the hangers may turn or swivel. This construction permits the utmost freedom of movement of the racks, so that they shall not jam nor catch. The racks are free to swing back and forth and sidewise and roll freely, whether at right angles to the lines or not.

The racks are to be placed on the rails and connected by the chains *e* at such distance apart that when drawn out to the full extent there shall be sufficient space between the racks for the clothes to dry.

To fill the line the racks are drawn together against the house, which may be done by taking hold of the innermost rack and pulling it in, then the next one, and so on; or a rope connected to the outer rack may be provided to draw them in. When drawn in the racks are beneath the sill in position convenient for placing the clothes. The outer rack will be first filled and then drawn out by pulling the rope *f*, and the operation continued until all the racks are filled and drawn out.

We do not limit ourselves to the details of construction exactly as described, as they may be varied within the scope of the invention.

The racks may be suspended from a single rail instead of two, as shown.

The racks may be made of wood or of corrugated sheet metal, and in any suitable form.

Having thus fully described our invention, we claim as new and desire to secure by Letters Patent—

1. The clothes-drying apparatus consisting of horizontal rails *b*, sheaves *d*, suspended racks C, provided with lines *k*, the connections *e*, the drawing-rope *f*, and means for supporting the ends of the rails, substantially as described, combined for operation, as set forth.

2. In a clothes-drier, the suspended racks or frames C, provided with sheaves *d* and lines *k*, combined with supporting-rails pro-

jecting from the side of a house, and connecting chains or cords, substantially as shown and described.

3. The sheaves *d* and swiveling hangers *m*,
5 combined with clothes-racks *C* and lines *k*, substantially as and for the purposes set forth.

4. The spring *l*, combined with racks *C* and

lines *k*, substantially as and for the purpose set forth.

DAVID H. PAYNE.
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Witnesses:

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