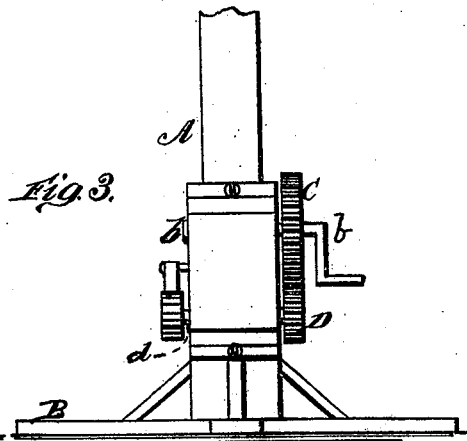
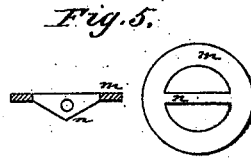
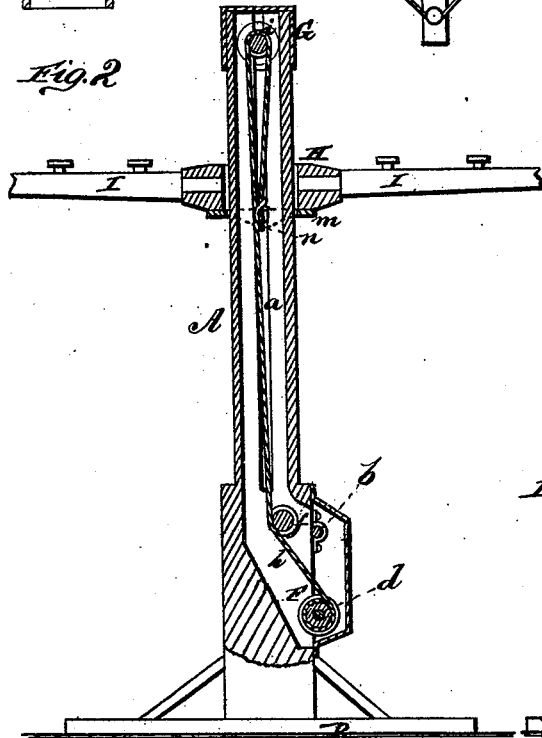
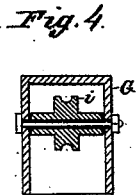
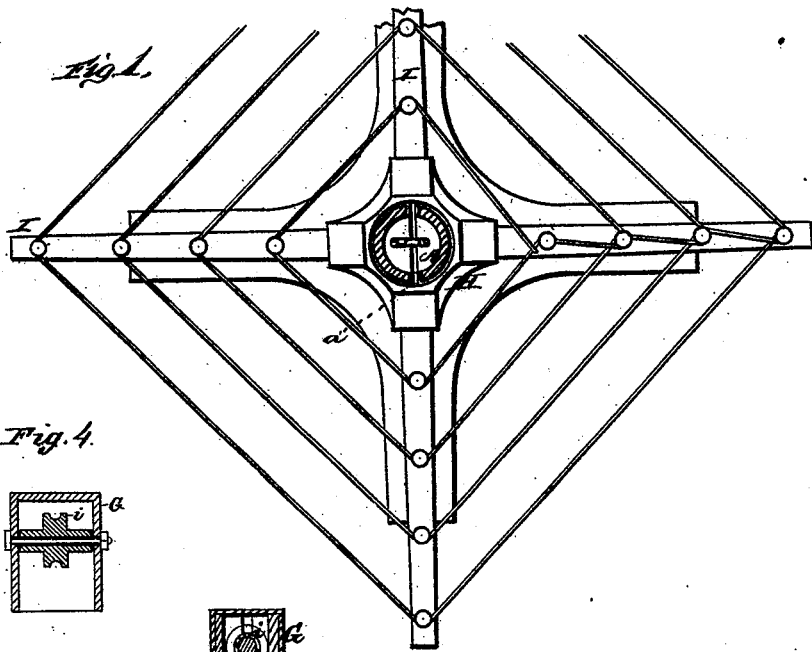


R. E. RYE.
Clothes-Drier.

No. 211,593.

Patented Jan. 21, 1879.



WITNESSES

Robert Bennett,
James J. Shesky,
nc.

INVENTOR

Richard E. Rye,
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ATTORNEYS

UNITED STATES PATENT OFFICE.

RICHARD E. RYE, OF MOUNT PLEASANT, MICHIGAN.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **211,593**, dated January 21, 1879; application filed March 9, 1878.

To all whom it may concern:

Be it known that I, RICHARD E. RYE, of Mount Pleasant, in the county of Isabella and State of Michigan, have invented a new and Improved Clothes-Drier; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention is an improvement in the class of clothes-driers having a revolving part, which is vertically adjustable on the pivot-post, and to which a cord is applied for suspending the clothes.

The invention consists in the construction and arrangement of parts, as hereinafter described and claimed.

In the accompanying drawings, Fig. 1 is a plan view of the clothes-drier, except the pivot-post, which is in section. Fig. 2 is a vertical section of the same. Fig. 3 is a side elevation of the lower part of the apparatus. Fig. 4 represents a vertical section of the cap with its attached pulley, which is applied to the pivot-post. Fig. 5 shows a cross-section and plan of the annular plate on which the revolving frame or reel is supported.

The hollow cylindrical post A has a suitable base, B, and is provided with vertical oppositely-located slots *a a*, which extend to its top. The reel or revolving frame H I, for suspending the clothes to be dried, is supported upon a thin, flat, annular plate, *m*, which encircles the post A, and is raised and lowered or held elevated at any desired height by means of a rope, *h*. The said plate has a central perforated cross-bar, *n*, which passes through the slots *a a* of the post, and to it said rope *h* is attached, as shown in Fig. 2. The rope passes over a pulley, *i*, at the top of post A, and is wound on a drum, F, mounted on shaft *d*, located at the base of the post. A short distance above the drum F is a guide-pulley, *f*, for preventing the rope binding or wearing by friction with the post.

The drum F is rotated for winding on or unwinding the rope F by means of a crank-shaft, *b*, and meshing gears C D.

The shaft of the upper pulley, *i*, passes through the slots *a* and has its bearings in the cap G, which fits over the upper end of post A. The weight of the revolving frame H I and the clothes that may be suspended from it is thus supported by the cap G, through the medium of rope *h* and pulley *i*. Said cap also performs the important function of inclosing and holding in proper relation the separated ends of the divided portions of the hollow post and preventing the entrance of water. The rope *h* is therefore not only inclosed and protected by the post A, but additionally by the cap G.

In putting the parts of the clothes-drier together, the rope *h* is first passed under the pulley *i* and attached to the annular bearing *m*. The latter and the revolving frame H I are then slipped on the post, and the cap G forced down over its head.

I do not claim, broadly, a cylindrical slotted post, nor a revolving reel or clothes-suspending frame applied thereto; nor do I claim suspending the reel-hoisting rope from a pulley attached to a plate applied to the top of a hollow post; but

What I do claim is—

In a clothes-drier, the cylindrical recessed cap G and the pulley *i* and its shaft, the latter having its bearings in opposite sides of said cap, in combination with the hollow cylindrical post A, having open slots *a a*, which the pulley-shaft enters and traverses when the cap is applied to the post, the revolving frame H I, annular bearing *m n*, rope *h*, and winding-drum F, all as shown and described, for the purpose stated.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

RICHARD E. RYE.

Witnesses:

WILLIAM H. WARE,
JAMES W. LONG.