W. F. WILSON.
Clothes-Drier.

No. 204,179. Patented May 28, 1878.

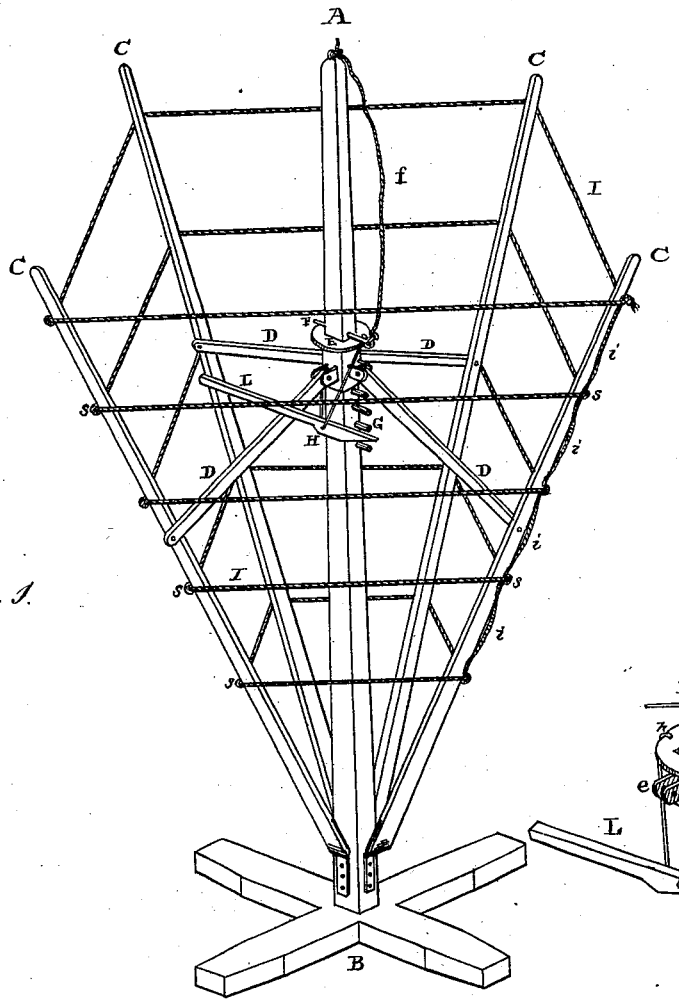

Fig. 1.

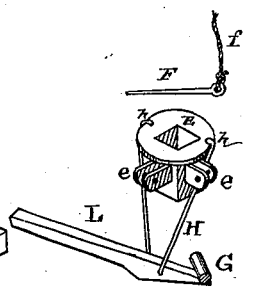

Fig. 2.

Caleb W. Chamberlain
Winfield, S. Moore.

WITNESSES.

W. F. Wilson

INVENTOR

UNITED STATES PATENT OFFICE.

WILLIAM F. WILSON, OF COLUMBIA, PENNSYLVANIA.

IMPROVEMENT IN CLOTHES-DRIERS.

Specification forming part of Letters Patent No. **204,179**, dated May 28, 1878; application filed March 11, 1878.

To all whom it may concern:

Be it known that I, WILLIAM F. WILSON, of the borough of Columbia, in Lancaster county, and State of Pennsylvania, have invented certain Improvements in a certain class of Clothes-Driers, of which the following is a specification:

The improvement relates to that class of folding clothes-driers which have four arms hinged to a central post connected by hinged braces to a sliding collar on said post; the object being to provide a more simple and efficient mode for stretching and holding a continuous cord carried round from one arm to the other in five or more parallel series, as herein more fully described.

The accompanying drawing, with the letters of reference marked thereon and a brief explanation, will enable those skilled in the art to make and use the same.

Figure 1 is a perspective view of the clothes-drier with my improvement in place. Fig. 2 shows said improvement detached.

An upright four-sided post, A, rests in a mortise made in the center of a cross-piece or base, B. Near the lower end, on each side, is an arm, C, connected by a hinge. These arms flare outward from the center, and each arm has a series of staples or eyebolts, S, at regular intervals, through which the cord I is passed, commencing at one arm, and passing it horizontally through said staples on each arm to the place of beginning; thence, as shown at *i*, down or up to the next loop or staple on the same arm; thence around in like manner, and thus the cord is continuous, and stretched parallel from arm to arm, whether you begin below or above. The ends are secured by a stout knot.

In order to stretch the cord tight all through from one point, I affix a stout wire, H, or its equivalent, to form a clevis or bridle, the ends of which are fastened on opposite sides, at *h h*, to the upper flange of the sliding sleeve E. I also perforate the central post with a series of holes for a pin, F, secured by a cord, *f*, to the top of said post. At the proper points below the sleeve I insert stout fulcrum-pins G into the post A.

By means of a lever, L, connected with the link or clevis H, and the end of which is inserted between the fulcrum-pins G on the post, I can force the sleeve E down, which causes the hinged braces D to spread the arms C to the utmost extent of the cord I, which adjusts itself uniformly, and by inserting the pin F over the collar or sleeve E through the post, the drier will be ready for use. By withdrawing the pin the arms can be folded up against the central post. This can be lifted from its base or foot, and the whole set aside, and will occupy but little space.

I am aware that folding arms variously applied in clothes-driers are not new, as also a sliding block arranged between uprights to operate the arms; nor do I claim such.

What I claim as novel and useful, and as my improvement, is—

In combination with the sliding sleeve E, the bridle or clevis H, the perforated post A, the pin F, the fulcrum-pins G, and the lever L, the whole arranged and operated as and for the purpose specified.

W. F. WILSON.

Witnesses:
CALEB W. MANN,
WINFIELD S. MOORE.