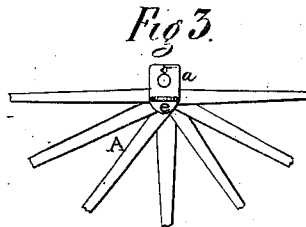
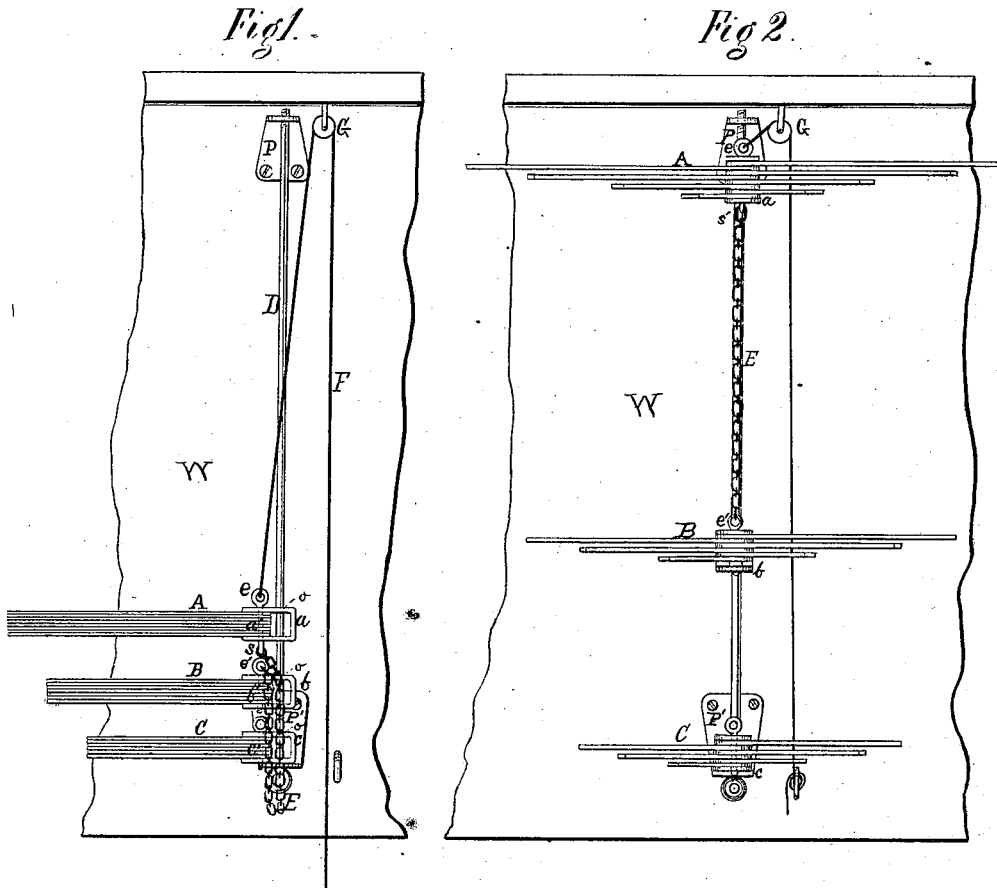


C. F. WHIPPLE.
Clothes-Frame.

No. 161,649.

Patented April 6, 1875.



Witnesses.

W. M. Edwards
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Inventor.

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UNITED STATES PATENT OFFICE.

CLARENCE F. WHIPPLE, OF GRAND RAPIDS, WISCONSIN.

IMPROVEMENT IN CLOTHES-FRAMES.

Specification forming part of Letters Patent No. 161,649, dated April 6, 1875; application filed February 18, 1875.

To all whom it may concern:

Be it known that I, CLARENCE F. WHIPPLE, of Grand Rapids, county of Wood and State of Wisconsin, have invented an Improved Clothes-Drier, of which the following is a specification, reference being had to the accompanying drawings forming part thereof.

My invention consists in sets of bars mounted in suitably-constructed clasps, connected together by means of chains or cords, and arranged to unfold horizontally in the clasps into a radiating or fan-like shape, and, by means of openings in the said clasps, arranged to run up and down upon a rod secured upon and a little distance from the wall of a room or the outer side of a house, and raised or lowered, or held in any desired position upon the rod, by means of a cord or rope secured to one of the clasps, and passing over a pulley arranged near the top of the rod, whereby the bars may be folded back against the wall when not in use, and readily unfolded into position for receiving the clothes for drying, and either one or all elevated into place at pleasure.

Figure 1 is a front elevation of my invention, showing the sets of bars lowered upon the rod and folded back against the wall. Fig. 2 is a similar view of the same, showing the bars unfolded, so as to radiate horizontally from the clasps, and in position upon the rod for drying purposes. Fig. 3 is a plan view of one of the clasps, showing the set of bars unfolded horizontally and radiating therefrom.

A, B, and C are sets of bars, made, preferably, of wood, mounted in metal clasps *a*, *b*, and *c*, by means of the bolts *a'*, *b'*, and *c'*, which pass through openings in the upper sides of the clasps and the butts of the bars, and are screwed into openings in the lower sides of the clasps *a*, *b*, and *c*, respectively. The clasps *a*, *b*, and *c*, with the sets of bars, respectively, are arranged to run up and down upon the rod D, which passes through the apertures *o* in the clasps, and which rod is secured upon the wall W by means of the brackets P and P', the rod being provided with a screw-thread at its upper end, which screws into an opening in the bracket P, and be held in place at its lower end by passing through an opening in

the bracket P'. The rod D, by means of the brackets P and P', is held at a sufficient distance from the wall to allow the clasps *a*, *b*, and *c* to turn horizontally upon the rod D without their rear sides coming in contact with the wall. E is a chain of a suitable length, secured at one end to an eye, *e'*, formed on the top of the bolt *b'* in the clasp *b*, and at the other end to a staple or eye, *s*, placed upon the under side of the clasp *a*. F is a rope or cord, secured at one end to an eye, *e*, formed on the top of the bolt *a'* in the clasp *a*, and passing over the pulley G, which is secured in the ceiling near the upper end of the rod D, as shown.

Now, it is evident that when not in use the sets of bars A, B, and C may be lowered upon the rod and folded back against the wall, as shown in Fig. 1, and thus occupy very little room, and be out of the way in the apartment in which they may be placed.

It is also evident that when they are desired to be used the sets of bars may be unfolded horizontally to form the radiations shown in Fig. 3, and, clothes being hung upon the bars, they may be successively elevated, by means of the rope F and the chain E, to any desired positions upon the rod D.

It is also evident that the rod D may be made of any desired length, and any desired number of sets of bars may be arranged to run upon the rod, and it is evident that the entire combination may, if desired, be arranged upon the outer side or wall of a house, and there operated in the manner described.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination, as a clothes-drier, of the sets of bars A B C, the perforated clasps *a b c*, the bolts *a' b' c'*, the eyes *e e'*, the staples *s*, the rod D, the brackets P P', with their openings, the chain E, the rope F, and the pulley G, constructed and arranged to operate as described.

CLARENCE F. WHIPPLE.

Witnesses:

J. W. COCHRAN,
CHAS. M. WEBB.