

*C. Barron,*

*Clothes Drier.*

*No. 108,431.*

*Patented Oct. 18. 1870.*

FIG. 1.

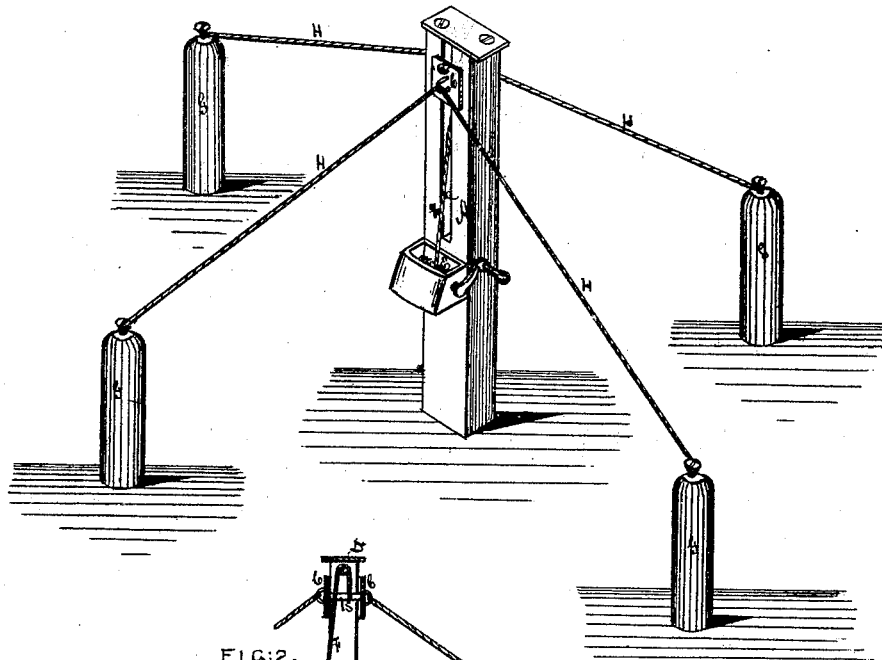
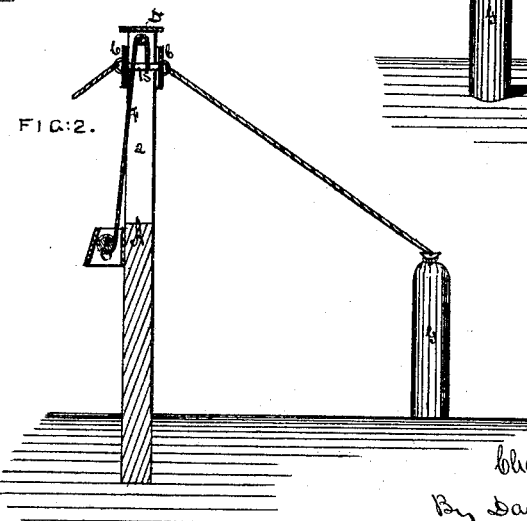


FIG. 2.



Witnesses  
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# United States Patent Office.

CHARLES BARRON, OF LA FAYETTE, INDIANA.

Letters Patent No. 108,431, dated October 18, 1870.

## IMPROVEMENT IN CLOTHES-LINE OPERATORS.

The Schedule referred to in these Letters Patent and making part of the same.

I, CHARLES BARRON, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented certain Improvements in Clothes-Line Apparatus, of which the following is a specification.

### *Nature and Objects of the Invention.*

My invention relates to the combination of a movable support, sliding vertically within or upon a fixed central post or standard, with clothes-lines or cords stretched so as to intersect the same from posts fixed on either side thereof, for the purpose of raising and lowering said line, the object of my invention being to afford, with economy of space, a ready means of raising clothes-lines, when filled with clothes, high above the ground, so as to place them above the reach of anything injurious thereto, and, by exposing them more fully to the sun and to the currents of the atmosphere, facilitate their bleaching and drying.

### *Description of the Accompanying Drawing.*

Figure 1 is a view in perspective of my apparatus complete with the lines elevated.

Figure 2 is a central vertical section through the central post or standard, illustrating the device for elevating the lines.

### *General Description.*

A is the central post or standard of my apparatus.

B is a transverse bar, sliding vertically in a vertical slot, *a*, cut down centrally in the post A.

C C are face-plates at each end of the bar B, which bear against opposite sides of the post A, on the exterior thereof.

D, fig. 2, is a friction-roller or pulley, arranged in the slot *a*, near the upper end of the post A, and over the transverse movable bar B.

E is a windlass, secured upon the post A, sufficiently near the bottom thereof to be within easy reach of the operator. This windlass is operated by a crank, and inclosed in a box, to protect it and the cord thereon from the weather.

F is a cord or rope, extending up from the windlass over the pulley D, and down to the slide B, to which its end is secured, as fully illustrated in fig. 2 of the drawing.

Thus, by turning the windlass-crank and winding the cord F upon its drum, the slide B and its outer face-plates C C are elevated in the slot *a* to the top of the post. By reversing the windlass, and consequently loosening the cord F, the slide B will drop by its own weight.

G G G are four posts, (of such length as to place their tops within easy reach of a man or woman,)

fixed in the ground at points as nearly as possible equidistant from each other and from the central post A.

H H are clothes-lines or cords, each secured to said posts at one end, and to the slide-plates C C at the other, or which, secured at one end to the post, pass through eyes or staples on the slide-plates C C, and are secured at the other to the opposite post, as illustrated in the drawing.

The cords or clothes-lines H H are left of such length as to admit of being elevated, by the elevation of the plates C C, to any desired height of which the central post will admit.

To fill the lines with the clothes to be dried, the slide B and its plates C C are lowered by a reverse movement of the windlass, until the entire length of the lines H are within easy reach, when they are filled; the slide-plates C C are elevated as described, carrying up the ends of the lines secured thereto, thus tightening them and lifting the clothes to a proper height above the ground.

It is evident that the number of outer posts, G G, may be varied at pleasure, and that other points of attachment for the outer ends of the lines H may be employed, instead of single posts, as described.

Also, that the mechanical device for elevating the slide-plate or bar to which the inner ends of the lines are secured, may be changed, and a rack and pinion, for instance, substituted for a cord and windlass, without departing from the spirit and intent of my invention.

The crank, when the clothes are drawn up, may be fastened and kept from turning back, either by means of a pawl engaging a ratchet-wheel on the end of the windlass, or by means of a simple pin.

The advantages of this apparatus for securing clothes-lines are evident. The lines are let down to within reach of the person hanging out the clothes, by a simple motion of the crank, and then all the lines are raised at once high above the reach of children or grown persons, by a reverse motion of the crank.

I claim as my invention—

The combination of the vertically-moving slide or support B, with the central post A, and with two or more cords or lines H H, stretched from opposite posts, G G, to intersect the same, substantially as and for the purpose herein set forth.

Witness my hand to this specification.

C. BARRON.

Witnesses:

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