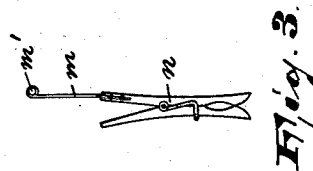
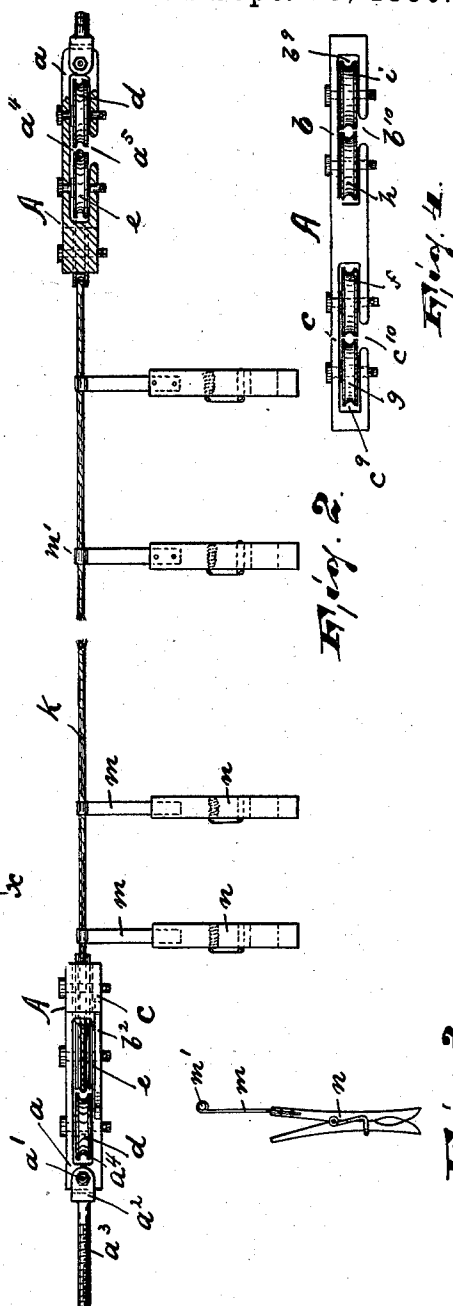
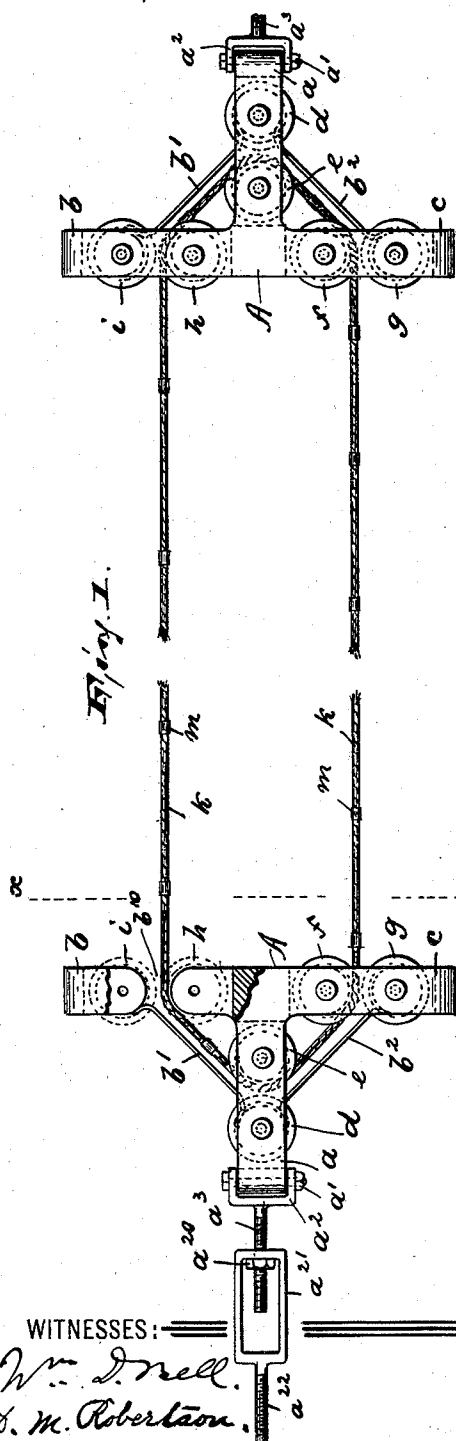


(No Model.)

G. YUNG.
CLOTHES LINE SUPPORT.

No. 567,800.

Patented Sept. 15, 1896.



WITNESSES:

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UNITED STATES PATENT OFFICE.

GEORGE YUNG, OF NEWARK, NEW JERSEY.

CLOTHES-LINE SUPPORT.

SPECIFICATION forming part of Letters Patent No. 567,800, dated September 15, 1896.

Application filed May 8, 1896. Serial No. 590,673. (No model.)

To all whom it may concern:

Be it known that I, GEORGE YUNG, a subject of the Emperor of Germany, residing in Newark, Essex county, and State of New Jersey, have invented certain new and useful Improvements in Clothes-Line Supports; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

The object of this invention is to provide a support for endless clothes-lines, by means of which support linen can be hung up or arranged on the entire length of the line in a convenient and easy manner, the support being simple and durable in construction, easily handled, and reliable in operation.

The invention consists in the improved clothes-line support and in the combination and arrangement of the various parts thereof, substantially as will be hereinafter more fully described, and finally embodied in the clauses of the claim.

My improvement is illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of my improved endless clothes-line support; Fig. 2, a front elevation of Fig. 1, certain portions being removed and others broken away to clearly illustrate the nature of my said invention; Fig. 3, a detail view of a clothes-pin used in connection with the endless line, and Fig. 4 a sectional view on the line xx of Fig. 1.

In said drawings, A represents a T-shaped block pivotally secured at or near the extreme end of its arm a by means of the bolt a' to the forked portion a^2 of the screw a^3 . The arm a is provided with an elongated slot a^4 and a cross-slot a^5 , the latter one arranged substantially in the center of said arm and on the under side thereof. (See right-hand side of Fig. 2.) The arms b and c of said block A are likewise constructed, that is to say, are provided with elongated slots b^9 and c^9 and cross-slots b^{10} and c^{10} , respectively, as clearly shown in Fig. 4.

In the slot a^4 of the arm a are arranged the grooved pulleys or sheaves d and e in such a

manner that a channel is formed between said pulleys of a size a little larger than the diameter of the endless clothes-line k , which is adapted to pass through said channel and over the pulley e . In the slots b^9 and c^9 of the arms b and c are likewise arranged the pulleys or sheaves i h and f g , respectively. The clothes-line passes over the pulleys h and f , while the outer pulleys i and g merely serve as guides to prevent the said clothes-line from slipping off. On the line k and depending therefrom are secured at certain intervals a series of clothes-pins n by means of the metal strips m , which latter for that purpose are provided at their free ends with a loop or ring m' , fitting on and surrounding the said clothes-line.

The arms a and b and a and c are connected by braces b' and b^2 , respectively, which latter are secured at the lower portions of said arms and thus form guides for the clothes-pins when the line is pulled or operated and after the said clothes-pins have passed beyond the entering cross-slot—that is to say, by pulling said line the clothes-pins would naturally be forced or turned outward, especially when passing over the pulleys, and would strike against the sides of the arms, instead of freely passing through their respective cross-slots.

Two supports of the above description are needed for one endless clothes-line, one of said supports being securely fastened by means of the screw a^3 to, for instance, a pole in the yard of a house, while the other support is adjustably secured to the window-frame or at any other convenient place in reach of and near the window. For this purpose the screw a^3 is provided with a nut a^{20} , bearing against the inside of the slotted portion a^{21} of the screw a^{22} , which latter is permanently secured in the place above designated. By simply turning the nut a^{20} the tightness of the line k is easily regulated, as will be manifest.

I do not intend to limit myself to the precise construction shown and described, as various alterations can be made without changing the scope of my invention; but

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

1. The combination with an endless clothes-

line, of a support, consisting of two blocks, each of said blocks being provided with horizontally-arranged elongated slots, and on their under side and substantially in the center of the said elongated slots—with open cross-slots, and two sheaves arranged in each of said slots, the endless clothes-line passing over the inner sheaves of each series in both blocks, substantially as and for the purposes described.

2. The combination with an endless clothes-line, of a support, consisting of two T-shaped blocks, each of said blocks being provided in their respective arms with elongated slots and on their under side with open cross-slots, and two sheaves arranged in said slots in series of two, the endless clothes-line passing over the inner sheaves of each series in both blocks, substantially as and for the purposes described.

3. The combination with an endless clothes-line, of a support, consisting of two T-shaped blocks, each of said blocks being provided in their respective arms with elongated slots, and on their under sides with open cross-slots, sheaves arranged in said elongated slots, the endless clothes-line passing over said sheaves, and a series of clothes-pins firmly secured to the clothes-line and depending therefrom, and adapted, when the clothes-line is pulled or operated, to pass through the cross-slots in the T-shaped blocks, substantially as described.

4. The combination with an endless clothes-line, of a support consisting of two T-shaped blocks, each of said blocks being provided in their respective arms with elongated slots and on their under sides with open cross-slots,

sheaves arranged in said elongated slots, the endless clothes-line passing over said sheaves, a series of clothes-pins firmly secured to the clothes-line and depending therefrom and adapted, when the clothes-line is pulled or operated, to pass through the cross-slots in the T-shaped blocks, and a brace or rod secured to the arms of each T-shaped block and arranged parallel to the path of the clothes-pins between the arms of the said T-shaped blocks, substantially as and for the purposes described.

5. The combination with an endless clothes-line, of a support consisting of two blocks, each of said blocks being provided with horizontally-arranged elongated slots, and on their under side with open cross-slots, two sheaves arranged in each of said slots, the endless clothes-line passing over the inner sheaves of each series, a stationary screw provided with a slotted portion arranged opposite one of said blocks, a screw adjustably arranged in said slotted portion, pivotally connected with the said block, a nut on said screw and arranged within the slotted portion of the stationary screw, and means for suspending the other block, all said parts, substantially as and for the purposes described.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of April, 1896.

GEORGE YUNG.

Witnesses:

ALFRED GARTNER,
KATIE YUNG.