

No. 632,889.

Patented Sept. 12, 1899.

J. R. BOLTON.
PINLESS CLOTHES LINE.
(Application filed Aug. 18, 1897.)

(Model.)

Fig. 1.

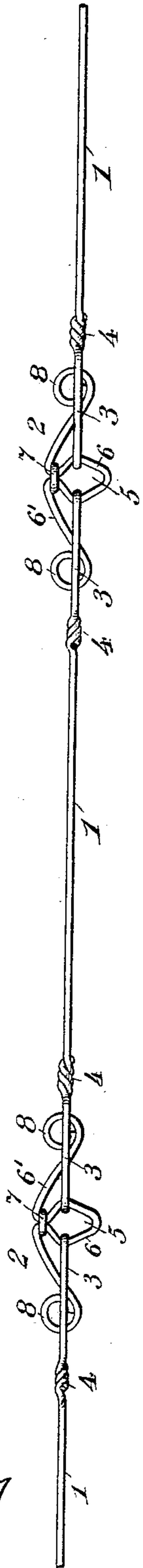
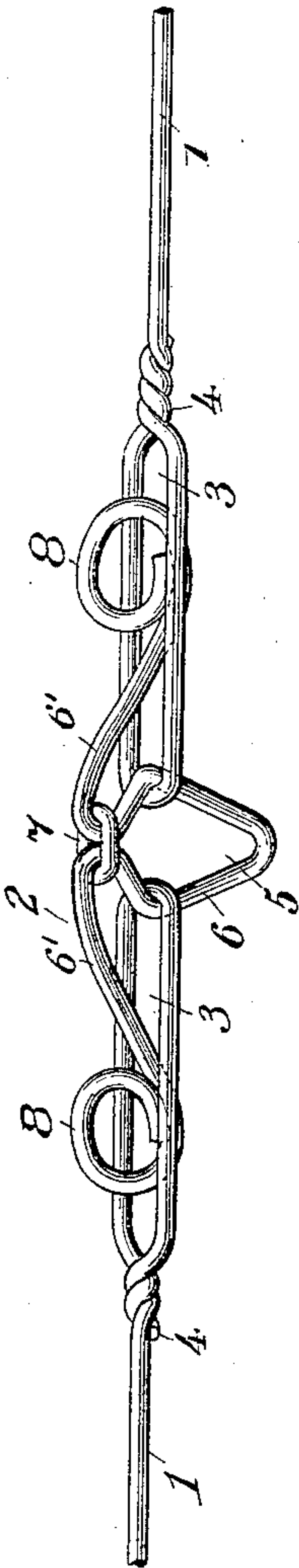


Fig. 2.



Witnesses.

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PINLESS CLOTHES-LINE.

SPECIFICATION forming part of Letters Patent No. 632,889, dated September 12, 1899.

Application filed August 18, 1897. Serial No. 648,683. (Model.)

To all whom it may concern:

Be it known that I, JOSEPH R. BOLTON, a citizen of the United States, residing at Lebanon Junction, in the county of Bullitt and State of Kentucky, have invented certain new and useful Improvements in Pinless Clothes-Lines; 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.

This invention relates to clothes-lines; and the object in view is to provide a strong, durable, and efficient clothes-line embodying in its construction a series of clasps or clothes-clamps located at suitable intervals along the line and designed to receive and hold the articles of clothing suspended from the line.

The detailed objects and advantages of the invention will appear in the course of the subjoined description.

The invention consists in a pinless clothes-line embodying certain novel features and details of construction hereinafter fully described and illustrated in the drawings and incorporated in the claims hereto appended.

In the accompanying drawings, Figure 1 shows in elevation a clothes-line constructed in accordance with the present invention. Fig. 2 is an enlarged detail perspective view of a portion of the clothes-line, showing the specific shape of the clothes-clamps and connecting-links.

Similar numerals of reference designate corresponding parts in both views.

The clothes-line contemplated in this invention embodies a series of links 1 and a corresponding series of clamps 2, to which the links are connected. Each link is preferably formed from a single piece of wire, the ends of which are recurved to form elongated loops 3, after which the extremities of the wire are coiled around the central portion of the link, as indicated at 4. Each of the clamps 2 is also composed in the main of a single piece of wire, the central portion of which is bent to form an open frame 5, having upwardly-diverging side bars 6, with which the adjacent ends of the links engage, the said side bars 6 passing through the ends of the links, as clearly shown in Fig. 2. After forming the frame of the clamp the terminal portions of the wire are recurved, as indicated at 6', and connected by a ring or

loop 7. The terminals are now extended in opposite directions and deflected downward at an inclination, so as to form inclined surfaces, beneath which portions of the clothes may be engaged. The extremities of the wire are finally curved upward and given a complete coil, as indicated at 8, the said coils lying partially within the open loops at the ends of the adjoining links.

In operation, the line being stretched comparatively taut between two points of support, the clothes or portions thereof are passed beneath the oppositely-projecting clamping portions of the clothes holders or clamps, so that said portions of the clothes are depressed into the open ends of the links. This effects a crimping of the clothes and causes the same to bind in the open ends of the links, thus preventing the clothes from becoming accidentally disengaged from the line and holding the same until they are dry. It will thus be seen that the necessity for using clothes-pins is entirely dispensed with and that the improved clothes-line itself constitutes the means for holding the clothes thereon.

The line is composed wholly of wire and may be galvanized or otherwise protected from injury by action of the elements.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. In combination with the links having loops at their ends, a frame formed by upwardly-diverging wires, a ring connecting the wires above the frame, the terminal portions of the wires being bent down within the loops and then coiled, as and for the purpose described.

2. In a pinless clothes-line, the combination with a series of clamps, each comprising a frame having diverging end bars and clamping portions, of a series of links having open loops at their ends embracing the divergent end bars of the frames, and designed to partially receive the clamping portions of the clamps, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOSEPH R. BOLTON.

Witnesses:

M. H. HAWKINS,
LEE DAWSON.