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D. M. CHAMBERLAND.

CLOTHES LINE HOOK AND ELEVATOR.

APPLICATION FILED SEPT. 17, 1903.

NO MODEL.

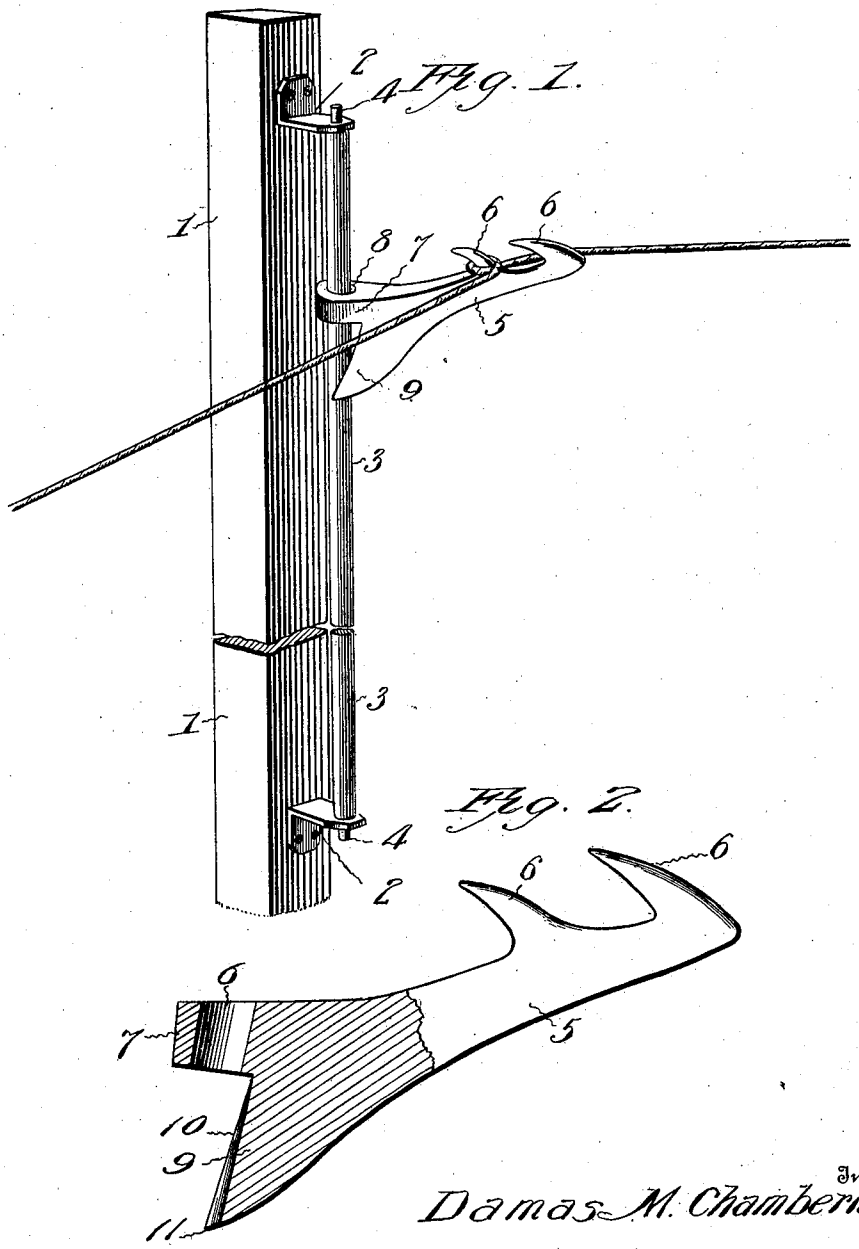


Fig. 1.

Fig. 2.

Witnesses

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No. 732,711. Patented July 7, 1903.

UNITED STATES PATENT OFFICE.

DAMAS M. CHAMBERLAND, OF MINNEAPOLIS, MINNESOTA.

CLOTHES-LINE HOOK AND ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 732,711, dated July 7, 1903.

Application filed September 17, 1902. Serial No. 123,746. (No model.)

To all whom it may concern:

Be it known that I, DAMAS M. CHAMBERLAND, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented new and useful Improvements in Clothes-Line Hooks and Elevators, of which the following is a specification.

This invention relates to a clothes-line hook and elevator; and the primary object of the same is to provide a simple and effective device of this class to which a clothes-line may be reliably fastened and elevated as desired to support the articles of clothing held by the line at a suitable distance above the ground-surface.

The invention consists in the construction and arrangement of the several parts, which will be more fully hereinafter described and claimed.

In the drawings, Figure 1 is a perspective view of a support, showing the improved clothes-line hook and elevator applied thereto and broken through at an intermediate point. Fig. 2 is a detail elevation of the improved hook, on an enlarged scale, broken away in part to show the means for locking the same at any elevation desired.

Similar numerals of reference are employed to indicate corresponding parts in the views.

The numeral 1 designates a support, which may be a post of a fence or an individual post set up in the ground and suitably anchored to render the same rigid. Extending outwardly from the said post are brackets 2, in which a rod or cylindrical bar 3 of any suitable length is mounted, the terminals 4 of said bar being reduced and capable of rotation in the horizontal members of the bracket. The rod or bar 3 may be of any suitable length, and mounted thereon for free adjustment is a clothes-line hook 5, having at the outer terminal upper inwardly-projecting barbs 6, two of the barbs being shown in the present instance to accommodate the application of a clothes-line at different distances from the rod or bar 3 as necessity or convenience may demand. The body of the hook 5 is inclined upwardly toward its free terminal, and at the inner extremity is a shouldered extension 7, having an opening 8 therethrough disposed at an outward angle of inclination and of substantially equal diameter throughout its entire length, the said opening being larger in diameter than the diameter of the rod or bar 3, which passes therethrough. Depending below the extension 7 at an inward angle of inclination is a rigid biting-jaw 9, having the rear wall formed with a concaved groove 10, running to a lower biting edge 11.

The clothes-line is caught around either one of the barbs 6, and the hook is elevated or lowered to the proper or required height by first disposing the opening 8 in parallel relation to the rod or bar 3 and while in such position pushing the said hook upwardly or downwardly in accordance with the line of elevation desired, the downward sliding movement of the hook being permitted under such circumstances in view of the disengagement from the rod or bar 3 of the lower sharpened edge 11 at the terminal of the groove 10. When the hook has been elevated as desired, it is released and the downward pressure thereon exerted by the weight of the line, as well as the clothes on the latter, causes the rigid jaw 9 to be forced downwardly and inwardly and brings the lower sharpened edge 11 of the jaw in firm contact with the rod or bar, and at the same time the opening 8 is disposed in inclined relation to said rod or bar to bring the sharpened edge 11 of the hook in engagement with the latter, and thereby the hook is prevented from accidentally slipping out of or away from its adjusted position. The greater the weight imposed or placed upon the line the greater will be the resistance to displacement of the hook, and through the medium of the improved device the use of clothes-props or analogous devices is dispensed with.

It will be observed that the clothes-line may be quickly applied to the hook or disconnected therefrom, and to render the improved device durable it is proposed to construct the several parts or components of the same of suitable non-corrosive material, such as galvanized iron or the like.

Having thus described the invention, what is claimed as new is—

In a device of the class set forth, the combination of an upright supporting rod or bar, and a hook adjustably mounted thereon and

provided at its outer extremity with upper inwardly-inclined barbs and at its inner extremity formed with a recess to provide an upper extension having an opening therethrough of substantially equal diameter throughout its entire length, a jaw depending below the said extension and formed with a concave groove in its rear edge running to a lower biting edge, the said jaw extending inwardly so that the opening through the upper extension and the groove in the jaw may coact with the supporting rod or bar.

In testimony whereof I affix my signature in presence of two witnesses.

DAMAS M. CHAMBERLAND.

Witnesses:

WM. E. BATES,

J. R. BETTRIDGE.