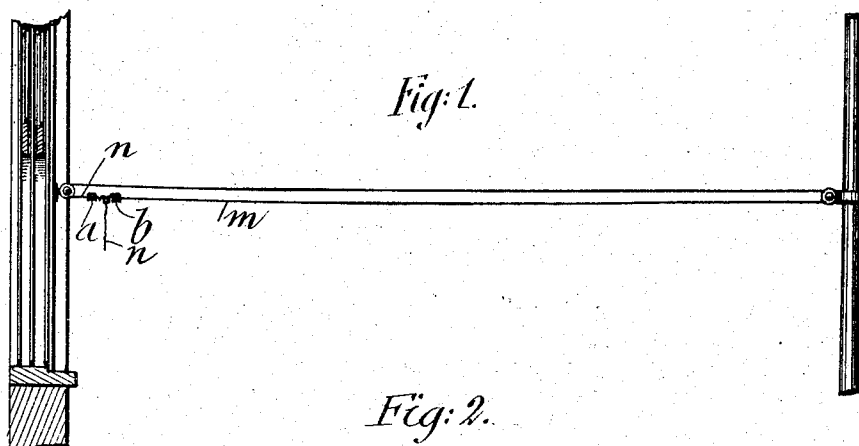
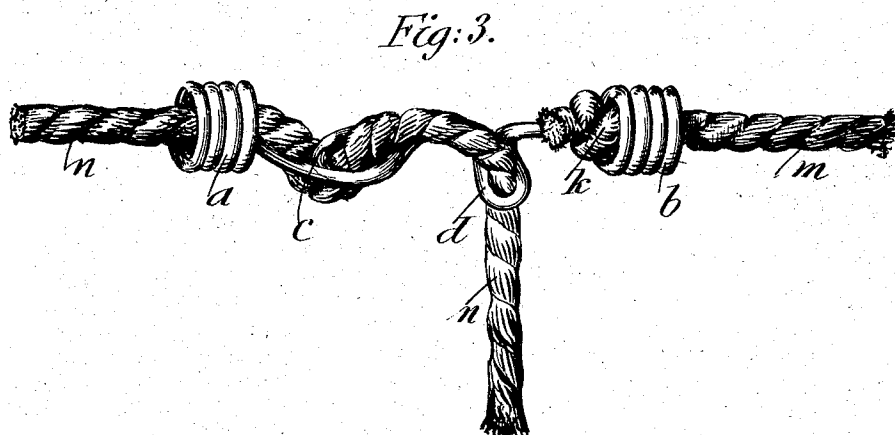
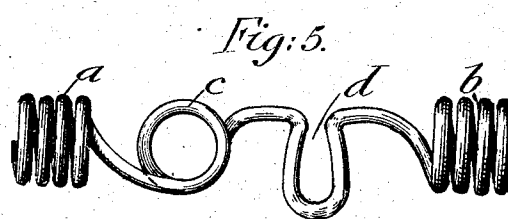


No. 782,657.

PATENTED FEB. 14, 1905.

H. HUBERT.
CLOTHES LINE FASTENER.
APPLICATION FILED JULY 5, 1904.



Witnesses
Henry J. Hubert
W. C. Colwell

Inventor
Henry Hubert
By his Attorneys
Logan & Niles

UNITED STATES PATENT OFFICE.

HENRY HUBERT, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO
GEORGE DAMIAN, OF NEW YORK, N. Y.

CLOTHES-LINE FASTENER.

SPECIFICATION forming part of Letters Patent No. 782,657, dated February 14, 1905.

Application filed July 5, 1904. Serial No. 215,300.

To all whom it may concern:

Be it known that I, HENRY HUBERT, a citizen of the Empire of Germany, residing in New York, borough of Manhattan, in the State of New York, have invented certain new and useful Improvements in Clothes-Line Fasteners, of which the following is a specification.

This invention relates to a clothes-line fastener of that class which are made of a single piece of stout wire and provided with means for permanent attachment to one end of the clothes-line, while the other end of the line is detachably secured to the other end of the fastener and capable of adjustment thereon, so as to permit the tightening or slackening of the clothes-line, as required; and for this purpose the invention consists of a clothes-line fastener which is bent up from one piece of wire and provided with helical coils at both ends, one for fastening one end of the clothes-line, the other for guiding the other end of the line, being provided with an eye for guiding the loose end of the clothes-line adjacent to the coil for the loose end and a U-shaped clamping device interposed between the eye and the coil at the opposite end of the fastener, as will be fully described hereinafter, and finally pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of a clothes-line with my improved fastener shown in position for use thereon. Fig. 2 is a perspective view of the fastener drawn on a larger scale. Fig. 3 is a like perspective view showing the ends of the clothes-line in position on the fastener, and Figs. 4 and 5 are respectively a side view and a top view of the fastener with the clothes-line removed therefrom.

Similar letters of reference indicate corresponding parts.

My improved fastener is made in one piece from a stout wire provided at the ends with helical coils *a* *b* of equal size, which are bent from the wire, said coils being arranged axially in line with each other. As shown, the coil *b* serves for inserting one end, *m*, of the clothes-line, which is permanently fastened to the coil *b* either by forming a knot *k* of sufficient size or by tying the clothes-line around

the same or in any other suitable manner. The coil *a* serves for guiding the loose and detachable end *n* of the line, which after the same has been passed through the pulleys—one at the house and the other on the usual suspension-pole—is passed through the coil *a* and then through a circular eye *c*, which is bent from the wire, as shown in Fig. 5, the end of the clothes-line being passed from below through the eye, after which it is clamped by inserting the end into a U-shaped portion *d*, as shown in Fig. 3. The U-shaped portion is slightly contracted at the inner ends, so as to form a bight for holding the end of the line firmly in position after the same has been squeezed into the same. The guide-eye *c*, as well as the clamp *d*, are arranged in a plane which is approximately tangential to the coils *a* and *b* at the opposite ends of the fastener, and their axes are arranged transversely of the common axis of said end coils, as will be readily seen from the drawings.

By releasing the detachable end of the clothes-line from the U-shaped clamp the clothes-line can either be slackened, which is the position when not required for use, or tightened up preparatory to hanging up the clothes on the same. After the line is tightened up the movable end is inserted into the U-shaped clamp, so that it is firmly clamped thereby. The clothes-line is thereby prevented from slackening, owing to the interlocking action of the adjustable end of the clothes-line with the guide-eye and clamp.

The improved clothes-line fastener has the advantage that when it is in position for use it is practically in line with the tightened ends of the line, the tension of the line being exerted in opposite directions thereon. The location of the guide-eye and clamp relatively to the end coils of the fastener is such that the inserting and removing of the detachable end of the line is accomplished in a perfectly reliable manner, no winding of the end of the line around any part of the fastener being necessary, but simply the slipping in of the same into the clamping device, the locking action being accomplished by the bending of the end of the line around the eye and clamp.

The detachable end hangs down below the clamp, so as to be readily taken hold of in unfastening the end when the line is to be placed in slackened position after use. There
5 is no possibility of the ends of the line getting detached from the fastener provided that the detachable end of the line is provided with a knot of sufficient size to prevent the slipping of the same through the guide-eye.
10 The location of the guide-eye and clamping device relatively to the end coils facilitates the proper handling of the line both in locking and unlocking of the same without any possibility of failure, while the end coils positively prevent the detaching and escape of
15 the ends of the line and their release from the guide-pulleys.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—
20 1. A clothes-line fastener, comprising a wire

provided with axially-alined end coils, and a guide-eye and clamp formed in said wire between said coils, the axes of said guide-eye and clamp being disposed transversely of the common axis of said end coils.

2. A clothes-line fastener, comprising a wire provided with axially-alined end coils, and a guide-eye and U-shaped clamp formed in said wire between said coils, said guide-eye and clamp being in a plane tangential to said end
30 coils, and having their axes disposed at right angles with respect to the common axis thereof.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

HENRY HUBERT.

Witnesses:

PAUL GOEPEL,

HENRY J. SUHRBIER.