

No. 698,992.

Patented Apr. 29, 1902.

J. D. MULLER.
CLOTHES LINE FASTENER.

(Application filed July 22, 1901.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

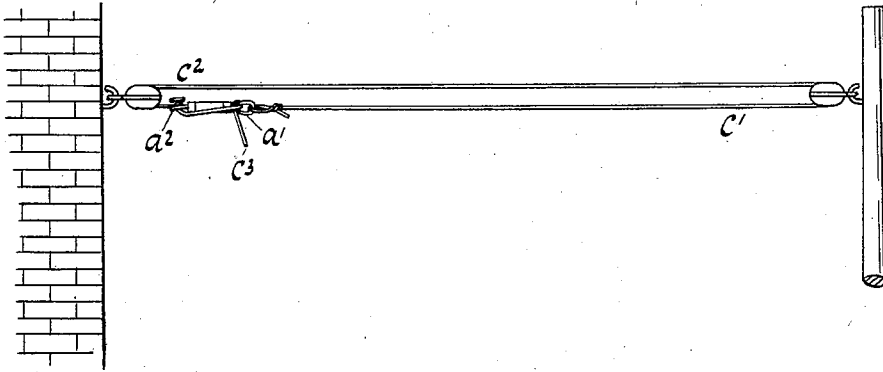
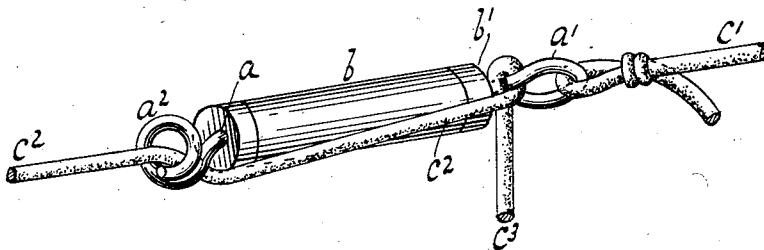


Fig. 2.



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Fig. 3.

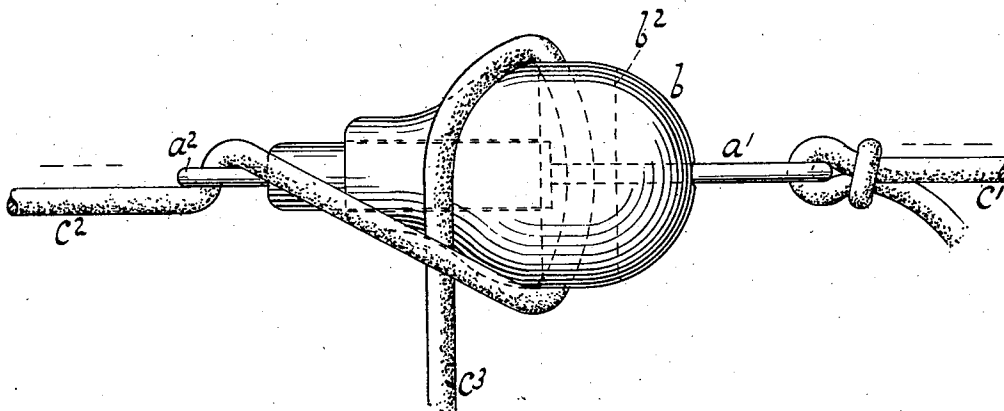
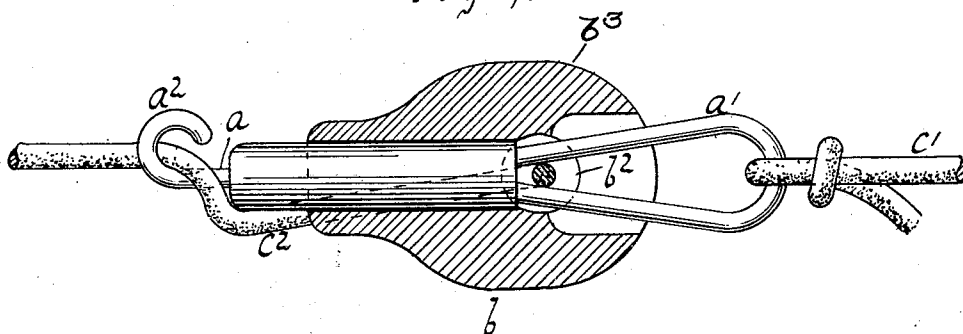


Fig. 4.



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JOHN D. MULLER, OF NEW YORK, N. Y.

CLOTHES-LINE FASTENER.

SPECIFICATION forming part of Letters Patent No. 698,992, dated April 29, 1902.

Application filed July 22, 1901. Serial No. 69,293. (No model.)

To all whom it may concern:

Be it known that I, JOHN D. MULLER, a citizen of the United States, residing at Bronx borough, New York city, in the county and State of New York, have invented new and useful Improvements in Clothes-Line Fasteners, of which the following is a specification.

This invention relates to a fastener or grip by which a clothes-line can be readily tightened or slackened, as required; and the invention resides in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

Figure 1 shows the fastener applied to a line. Fig. 2 is a perspective view of the fastener on larger scale than in Fig. 1. Fig. 3 shows another form of fastener. Fig. 4 is a sectional view of Fig. 3.

The device comprises a shoulder with a loop and what may be called a "catch" portion. A wire a being suitably bent will form the eye or loop a' and clamp or catch portion a^2 . The shoulder is readily formed by a sleeve or handle b .

A clothes-line comprising the ends c' and c^2 is shown with the end c' secured or tied to loop a' . The end c^2 having its free end portion c^3 passed through loop a' and such free end portion being then slipped under the end c^2 , so as to lie between such end and the shoulder or end portion b' of the sleeve b , the pull or strain of the end c^2 , jamming or holding the free end portion against the shoulder, will prevent the slipping of the grip or slackening of the line. The hook or catch a^2 being slipped over or made to engage the line portion c^3 will hold such line and grip $a b$ parallel or in alignment. The line-engaging loop a' thus engages both line ends—the one permanently and the other detachably—for tightening or slackening.

To free the grip, the catch a^2 is freed and the handle b then given a half-turn or swing to bring the catch part a^2 over to line portion c' . The free end portion is thus by the strain of the line portion c^2 moved away from shoulder b' and to the larger or expanding portion of loop a' , so that the free end c^3 can be slipped out of the loop or freed either for tightening or slacking or for mounting or dismounting a line.

The line is shown running about pulleys, as usual.

The wire $a' a^2$ when made of one piece forms a firm and durable structure, and the sleeve or shoulder-piece b forms a suitable handle for the swing or lever action when moving the fastening to gripping or releasing position.

In the construction shown in Fig. 3 the loop a' is movably or slidingly arranged in the sleeve or block b^3 , and the latter has a hole b^2 , through which the free line end c^3 is slipped to be further jammed or held by loop a' . When the latter is pulled outward in block b^3 , the latter tapers toward one end, as at b^4 , so that the end c^3 of the line can be easily interposed between the block and the line, as shown in Fig. 4.

The block or handle b can of course be made of any suitable material and of suitable shape or size.

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

1. A grip or line-fastener comprising a handle having a shoulder and a loop and a catch, and a line having one end secured to the loop and the other end engaged by the catch and passed through the loop, the free end of the line being passed between such other end and the shoulder substantially as described.

2. A grip or line-fastener comprising a handle having a shoulder and an adjustable line-engaging loop and a catch portion, said shoulder and catch portion being adapted for engagement by an end of the line and said loop and catch being adjustable within the shoulder-piece.

3. A grip or line-fastener comprising a shoulder-piece with an adjustable line-engaging loop and catch portion, said shoulder-piece being perforated for allowing the line to be passed therethrough and through the loop substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOHN D. MULLER.

Witnesses:

W. C. HAUFF,
E. F. KASTENHUBER.