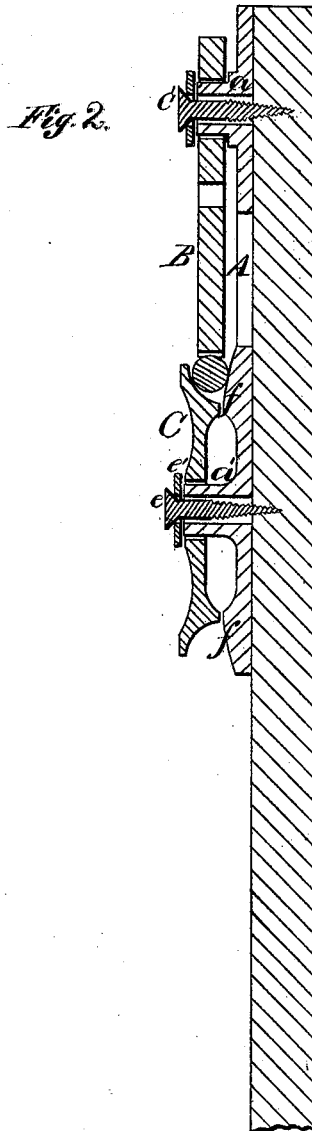
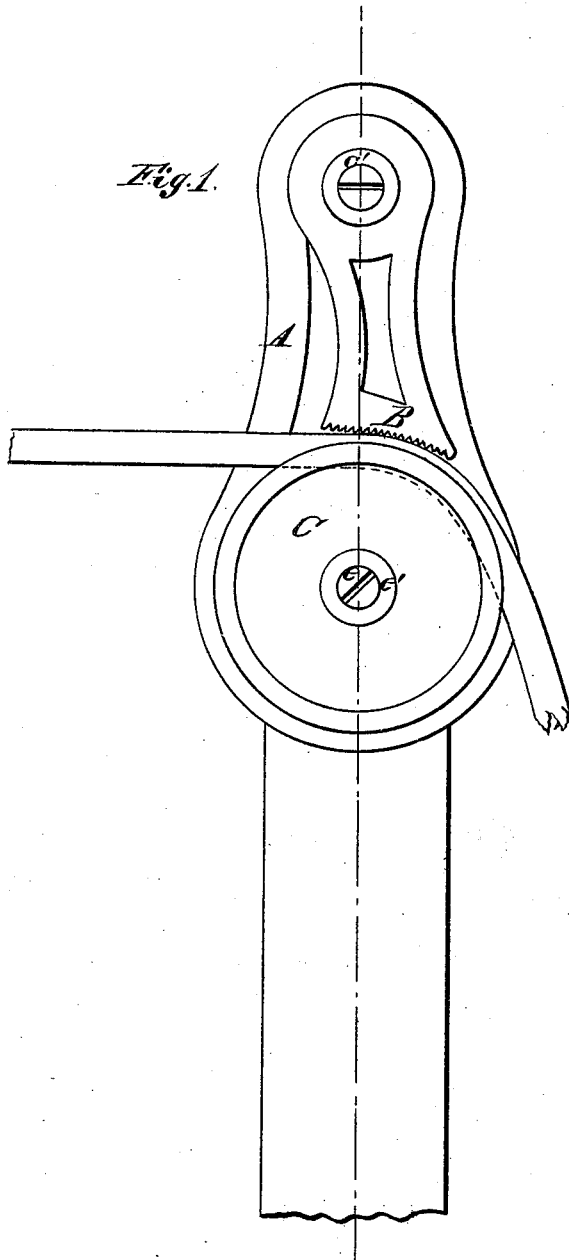


C. HOAG.
LINE-FASTENERS.

No. 180,343.

Patented July 25, 1876.



WITNESSES

C. R. Searle
C. H. McEwen

INVENTOR

Charles Hoag
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ATTORNEYS

UNITED STATES PATENT OFFICE.

CHARLES HOAG, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN LINE-FASTENERS.

Specification forming part of Letters Patent No. **180,343**, dated July 25, 1876; application filed April 29, 1876.

To all whom it may concern:

Be it known that I, CHARLES HOAG, of Chicago, in the county of Cook and State of Illinois, have invented a new and valuable Improvement in Clothes-Line Holders; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front elevation of my line-holder, and Fig. 2 is a longitudinal vertical sectional view thereof.

This invention has relation to clothes-line holders; and the nature of my invention consists in a plate, which is constructed with tubular bearings, adapted to receive and afford support for a serrated gripping-dog and a half-sheave, and which is also constructed with an annular elevation, that forms, with a concavity in the periphery of the sheave, a channel, which is adapted to receive the clothes-line, and prevent the same from binding in the joint.

In the annexed drawings, A designates a plate, which I prefer to make of malleable iron, of skeleton-form, and which is constructed with thimbles or tubular bearings *a a'*. To the thimble or upper bearing *a* is pivoted a serrated dog, B, and which is held in place by means of a screw, *c'*. By these means the dog is allowed to vibrate freely about its tubular

post *a'*. C designates a sheave, which rotates about the lower bearing *a'*, and is held in place on said bearing by means of a screw, *e*, and a washer, *e'*. This sheave has a concave periphery, and represents one-half of an annular grooved pulley. It impinges against an annular elevation, *f*, formed on the plate A.

It will be observed, from the above description that, when the clothes-line is drawn into the bite between the dog and the sheave, the annular elevation of the plate A will throw it upon the concave portion of said sheave, and prevent it from binding in the joint.

I am aware that a clothes-line holder having a cam, a lever, a connecting-bar, and pulley, as shown in Letters Patent granted to H. Ogborn, dated July 6, 1869, numbered 92,206, has heretofore been employed, and I therefore lay no claim to said invention.

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

In a clothes-line holder, the plate A, having the annular elevation *f* and tubular bearings *a a'*, in combination with the serrated dog B and half-rotary sheave C, all constructed and operating in the manner and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES HOAG.

Witnesses:

HENRY W. CLARKE,
L. C. P. FREER.