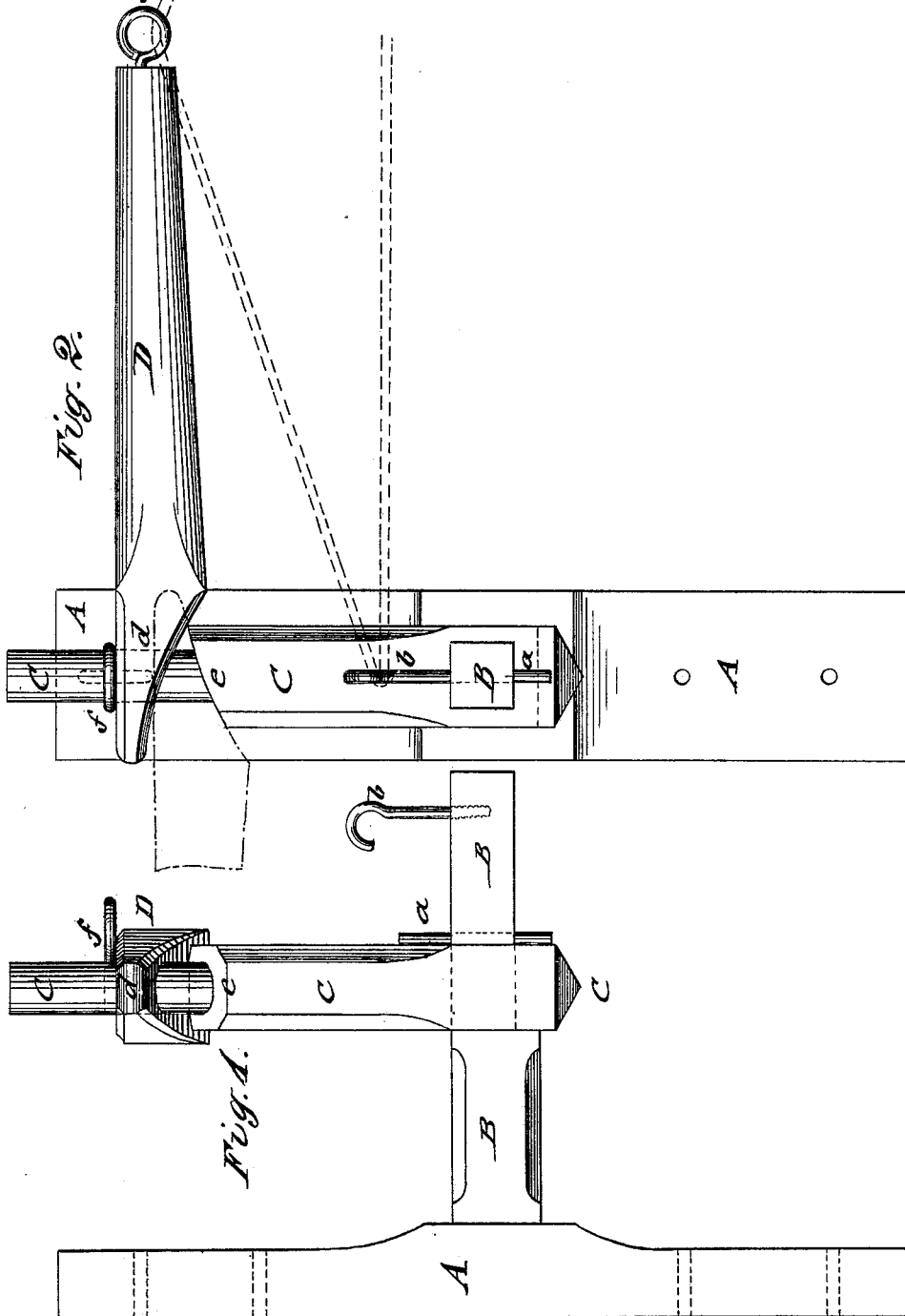


A. S. GOODRICH.

LINE-FASTENER.

No. 188,047.

Patented March 6, 1877.



WITNESSES:

*H. Fridquist*  
*J. H. Scarborough*

INVENTOR:

*A. S. Goodrich*

BY

*[Signature]*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

ANDREW S. GOODRICH, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF AND HENRY GOODRICH, OF SAME PLACE.

## IMPROVEMENT IN LINE-FASTENERS.

Specification forming part of Letters Patent No. **188,047**, dated March 6, 1877; application filed November 25, 1876.

*To all whom it may concern:*

Be it known that I, ANDREW S. GOODRICH, of the city, county, and State of New York, have invented a new and Improved Clothes-Line Supporter, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view, and Fig. 2 a front or end view, of my improved clothes-line supporter.

Similar letters of reference indicate corresponding parts.

The invention relates to an improved clothes-line supporter or crane of cheap and simple construction, by which the clothes may be hung upon the pulley-line with great facility from the inside of the window, without requiring the bending out of the same, and without exposing the attendant to danger and inclement weather.

The invention consists of a clothes-line supporter consisting of a supporting-plate, which is attached to the window-casing outside of the lower sash, and provided with a fixed horizontal arm, carrying an upright standard and outer hook. On the inclined collar of the standard or post swings a lever-arm that supports the pulley-line, the arm being, at the end swinging on the post, inclined in similar manner as the collar, and secured by set-screw in inward or outward position thereon.

In the drawing, A represents the supporting or base plate of my improved clothes-line supporter, which is attached securely by fastening-screws to the window-casing outside of the lower sash, so as not to interfere with the closing of the same. The base plate A carries a horizontal arm, B, that runs parallel with the sash, and supports the upright post or standard C, which is either detachable and then secured by a fastening-key, *a*, or fixed, in which case the same is preferably cast in one piece with the horizontal arm B and base-plate A. An inwardly-bent hook, *b*, is secured or otherwise attached to the outer end of the arm B. The upright standard or post C forms the pivot for the swinging lever-arm D, that is seated by its inclined and perforated end *d* on the inclined collar *e* at the upper end of post C. The supporting collar or

seat *e* is inclined toward the window, and produces the full contact of the end of arm D with the collar when the same is swung inwardly, so as to extend to the inside of the window. The lever-arm D is in this position fastened by a binding-screw, *f*, that turns in the rounded-off or pivot part of post C. The clothes-line is passed through an eye, hook, or pulley, *g*, at the outer end of arm D, and brought to the inside of the room by the arm into convenient position for hanging up the clothes, and moving then the line forward. When the entire line is provided with clothes, the arm D is swung into outward position into any suitable angle, and again securely fastened in this position by the thumb or set screw *f*, as shown in Fig. 2. The slack of the line in the outward position of the arm D is taken up and the proper tension given to the line by passing the same through the hook *b* of arm B.

The clothes-line-supporting device may be made of wood or metal, and the lever-arm readily set into position, forming no obstruction whatever to the window, and being, on account of its simple construction, manufactured at a low price.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A clothes-line supporter or crane, constructed of a base or supporting plate, A, fastened to the window-casing outside of the lower sash, of a fixed horizontal arm, B, with outer hook *b*, of an upright post or standard, C, and of a swinging lever-arm, D, having outer eye, hook, or pulley *g*, constructed and arranged substantially as and for the purpose set forth.

2. The combination of upright post or standard C, having inclined collar *e* and binding set-screw *f*, with the inclined end of swinging lever-arm D, to secure the lever-arm securely in inwardly and outwardly extending position, substantially as and for the purpose set forth.

ANDREW S. GOODRICH.

Witnesses:

C. SEDGWICK,  
PAUL GOEPFEL.