

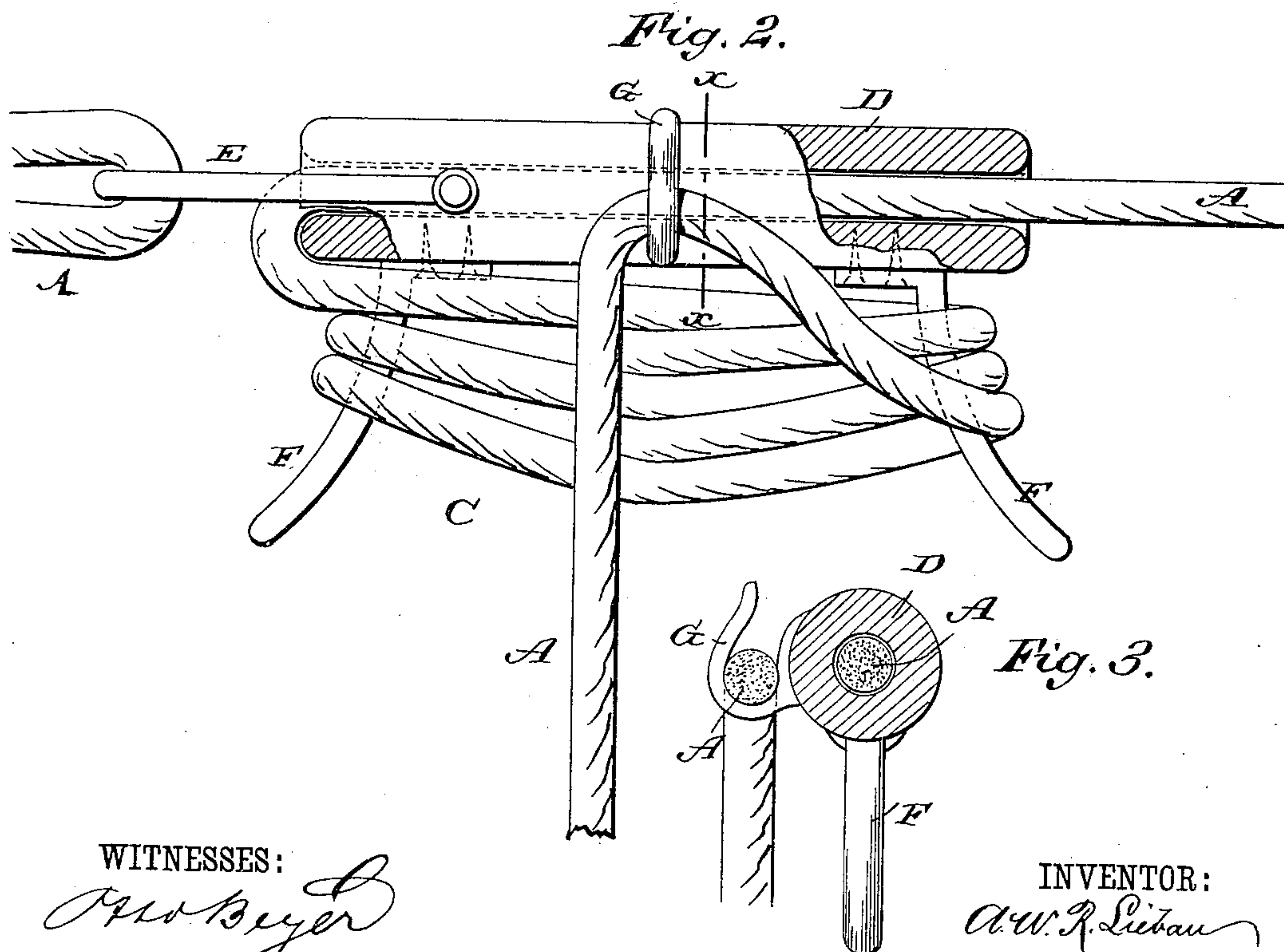
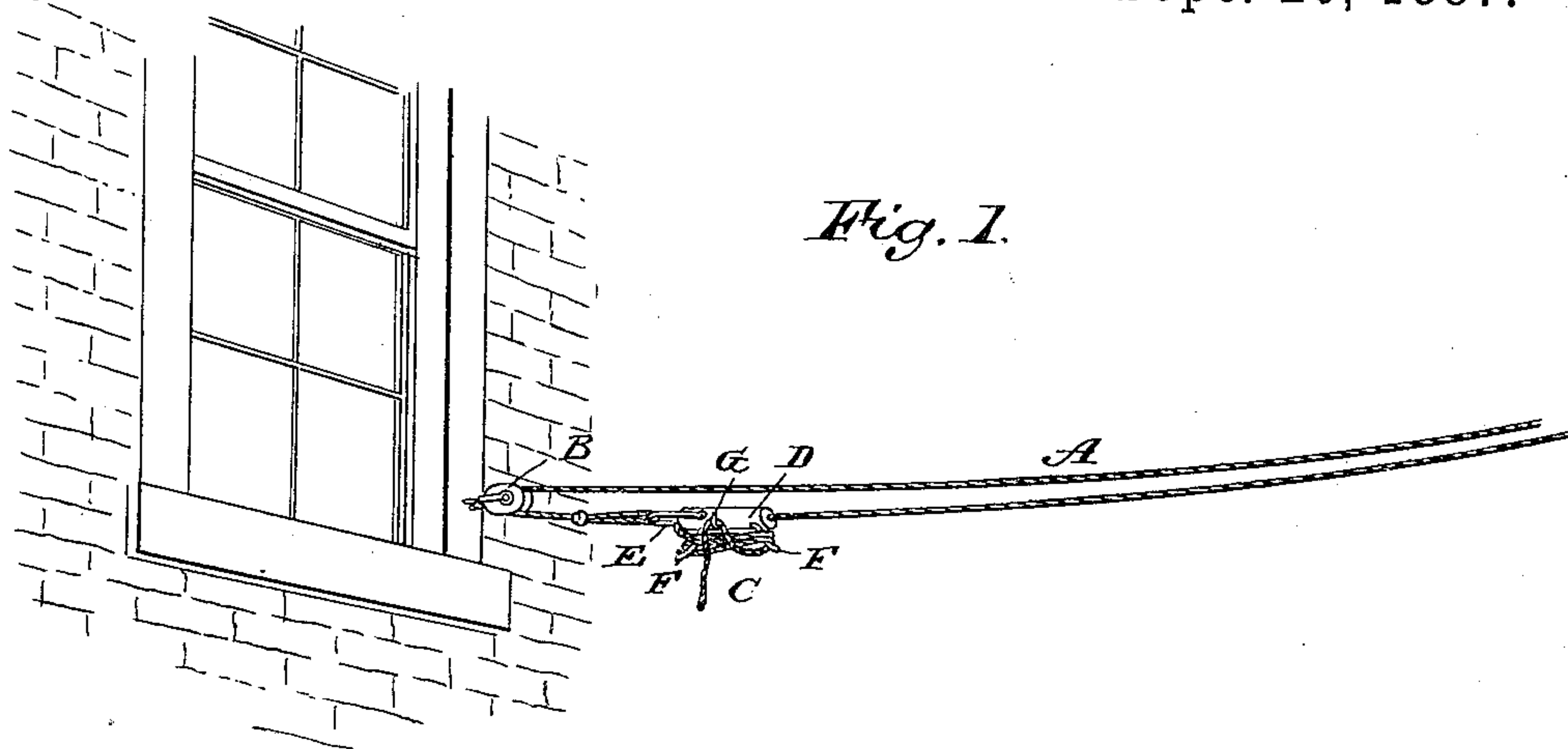
(No Model.)

A. W. R. LIEBAU.

DEVICE FOR ADJUSTING CLOTHES LINES.

No. 370,199.

Patented Sept. 20, 1887.



WITNESSES:

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AUGUST W. R. LIEBAU, OF NEW YORK, N. Y.

DEVICE FOR ADJUSTING CLOTHES-LINES.

SPECIFICATION forming part of Letters Patent No. 370,199, dated September 20, 1887.

Application filed February 18, 1887. Serial No. 228,073. (No model.)

To all whom it may concern:

Be it known that I, AUGUST W. R. LIEBAU, of the city, county, and State of New York, have invented a new and Improved Device
5 for Adjusting Clothes-Lines, of which the following is a full, clear, and exact description.

My invention has for its object to provide new and useful improvements in the devices by which the length of traveling clothes-lines
10 is adjusted, whereby they may be easily stretched or slacked, are securely held in such adjustment, and wherein provision is made for carrying a large surplus of line, so that the same clothes-line may be used in different
15 situations requiring various lengths of line.

The invention consists in the construction and combination of parts of the adjusting device, as hereinafter fully described and definitely claimed.

20 Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view showing my improved adjusting device applied to a traveling clothes-line. Fig. 2 is an enlarged side
25 view of the adjusting device carrying the surplus line, part being broken out. Fig. 3 is a cross-sectional view on the line $x x$, Fig. 2.

30 A represents a traveling clothes-line running at each end (only one shown) over a pulley, B, and having its extremities connected by an adjusting device, in a well-known manner.

The adjusting device C, as improved by
35 me, consists of a longitudinally-bored tube, D, to the outside of one end of which is secured a loop or shackle, E, to which one end of the clothes-line is attached. The other end of the clothes-line is passed lengthwise

through the tube D, turned back over the
40 rounded end of the tube and wound on a cleat, F, secured to the outside of the tube.

The cleat F shown is composed of two independent outwardly-curved branches secured
45 to the tube; but any other approved form of cleat may be used in lieu thereof.

The clothes-line is adjusted to the proper tension by drawing on the free end of the line in a direction away from the other end, using
50 the rounded end of the guide D as a bearing, and the surplus line is wound on the cleat F. A catch-hook, G, is secured to the middle of the guide D, so that by engaging the free end of the line with said hook it is compressed between the same and the guide, and the coil on
55 the cleat thereby prevented from unwinding.

The cleat F is made of a size sufficient to carry several yards of line, so that the one clothes-line may be used in various situations,
60 all the surplus line being easily carried by the cleat on the adjusting device.

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

The combination, in a clothes-line-adjusting
65 device, of the tube D, through the longitudinal bore of which the free end of the clothes-line is passed, the end shackle, E, secured to the outside of the tube for attachment to the other end of the clothes-line, the cleat F, secured
70 to the outside of the tube, and the hook G, rigidly secured to the outside of the tube, substantially as shown and described.

AUGUST W. R. LIEBAU.

Witnesses:

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