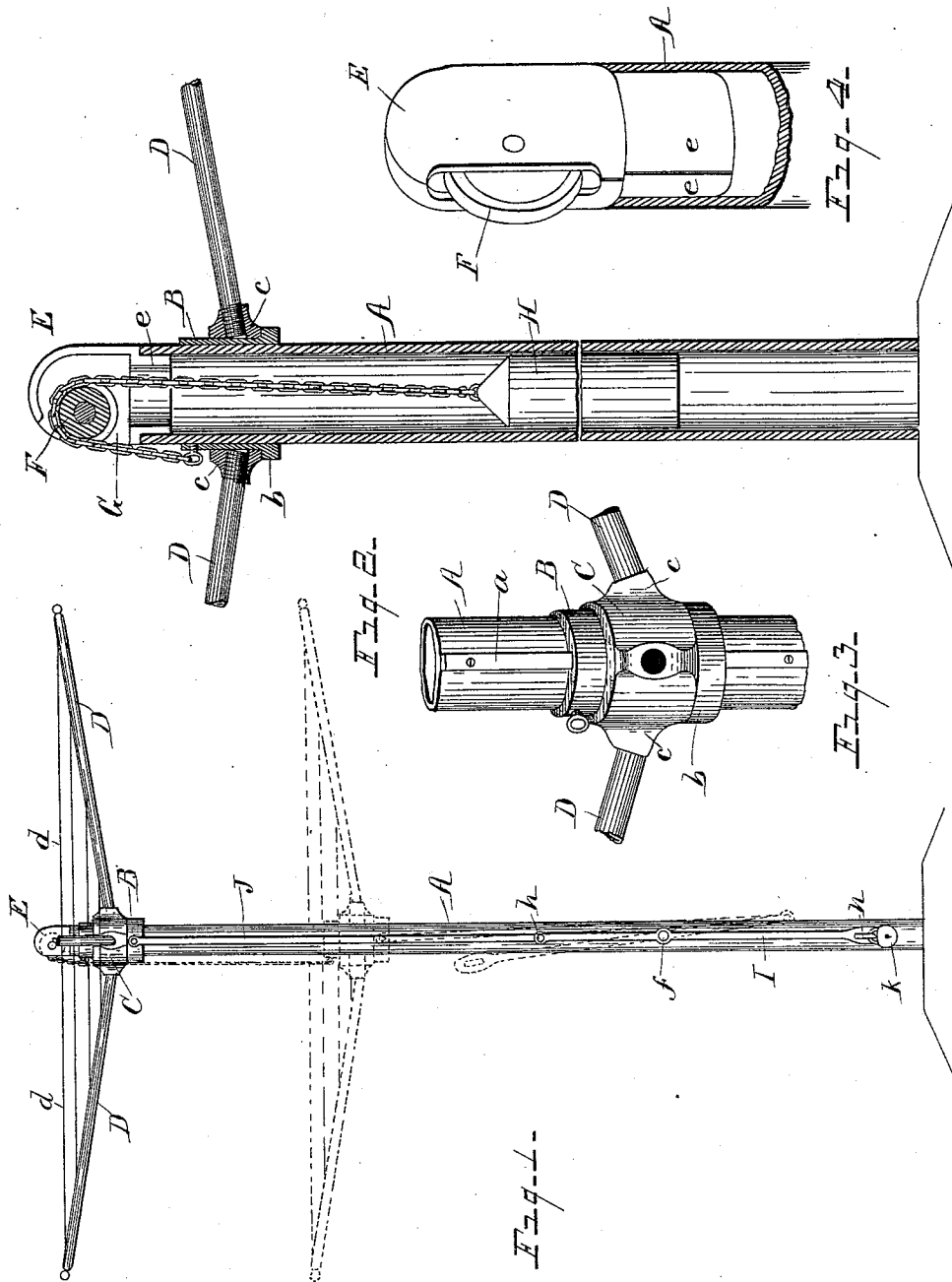


(No Model.)

T. J. SULLIVAN.
CLOTHES REEL.

No. 536,971.

Patented Apr. 2, 1895.



WITNESSES

O. B. Baiminger
E. H. Roemer

By

INVENTOR
Thomas J. Sullivan
A. B. Wheeler & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

THOMAS J. SULLIVAN, OF DETROIT, MICHIGAN.

CLOTHES-REEL.

SPECIFICATION forming part of Letters Patent No. 536,971, dated April 2, 1895.

Application filed March 31, 1893. Serial No. 468,613. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. SULLIVAN, a citizen of the United States, residing at Detroit, in the county of Wayne, State of Michigan, have invented certain new and useful Improvements in Clothes-Reels; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

15 This invention relates to new and useful improvements in clothes reels, and consists in a certain construction and arrangement of parts as hereinafter fully set forth, the essential features of which being pointed out particularly in the claim.

20 The object of the invention is to produce a clothes reel, of simple, strong and symmetric construction, and in which the arrangement is such as to provide for the vertical adjustment of the reel proper, to enable it to be raised and lowered at will, and securely locked at a high elevation, with the clothes thereon, when desired. This object is attained by the mechanism illustrated in the accompanying drawings, in which—

30 Figure 1 is a view in elevation of my improved device. Fig. 2 is an enlarged vertical section through the post or stand, the reel arms being broken away. Fig. 3 is a perspective view of a section of the post, showing the manner of mounting the reel thereon. Fig. 4 is an enlarged perspective of the upper end of the post, a portion of which is broken away, showing the cap therein and the sheave 40 journaled in said cap.

Referring to the letters of reference, A designates the reel stand or post upon which the reel is supported, which is hollow, and is made preferably, of metal tubing of the requisite size. Secured to the outer face of said post, and running longitudinally thereof, is a key 45 *a* that is adapted to enter freely, a way in the inner face of the sleeve B, which environs said post and is adapted to slide vertically thereon. This construction permits of the free vertical movement of said sleeve, but prevents it from turning on said post.

C designates a collar which encircles the sleeve B, and rests upon the annular shoulder *b*, formed at the lower end of said sleeve. 55 This collar is adapted to revolve freely upon said sleeve, and is provided with a series of bosses *c*, which are tapped to receive the threaded inner ends of the radial arms D of the reel. These arms are also made of tubing and extending between them, are the lines *d*, upon which the clothes may be hung. Mounted on the upper end of the post is the hollow cap E, formed of two parts, each provided with a semi-circular depending flange 55 *e*, so that when said parts are placed together, an annular flange is formed that enters the end of said post and securely retains said cap in place. Journaled between the sides of said cap, is a sheave F, over which passes a chain 70 G. One end of said chain depends within the hollow post and is attached to a weight H, therein, and the other end is attached to the sleeve B, adapted to slide vertically upon said post. By this means, the weight H, counter balances the weight of the reel, enabling said reel to be easily adjusted and maintained at any degree of elevation.

To provide for actuating the reel so that it may be raised to a considerable elevation and 80 secured in that position, the lever I is employed, as shown in Fig. 1. This lever is pivoted at *f* to the post A, and one end thereof is pivotally coupled at *h*, to the depending end of the rod J, which is attached at its upper end to the sleeve B. With this construction, the operation of the free end of the lever I will actuate the rod J, to slide the sleeve B vertically, and raise or lower the reel, as shown by stipple and solid lines in Fig. 1. 85 90

The free end of the lever I is provided with an eye that is adapted to receive a staple *n* secured in the base of the post, to which said lever may be secured by a lock *k*. By this means when the clothes have been placed 95 upon the reel, it may be elevated to such height as to carry the clothes above a point where they would obstruct the way, at which height they will be less likely to become soiled while drying; and by locking the lever I, when 100 the reel is so elevated, the clothes are comparatively safe, as they cannot be readily removed without lowering the reel. The employment of this lever mechanism, enables

the reel to be raised and lowered without the use of the weight H, but the weight is preferred, for by its use the weight of the reel is counter-balanced, enabling its adjustment to
5 be effected with less labor.

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

10 In a clothes reel, the combination of a hollow post, the weight therein, the sheave journaled in the upper end of said post, the sleeve encircling said post, and splined thereon, the

reel mounted to revolve upon said sleeve, the chain passing over said sheave and attached to said sleeve and weight, the lever pivoted
15 to said post, and the rod coupling said sleeve and lever, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS J. SULLIVAN.

Witnesses:

E. K. ROEMER,

E. S. WHEELER.