

No. 626,541.

Patented June 6, 1899.

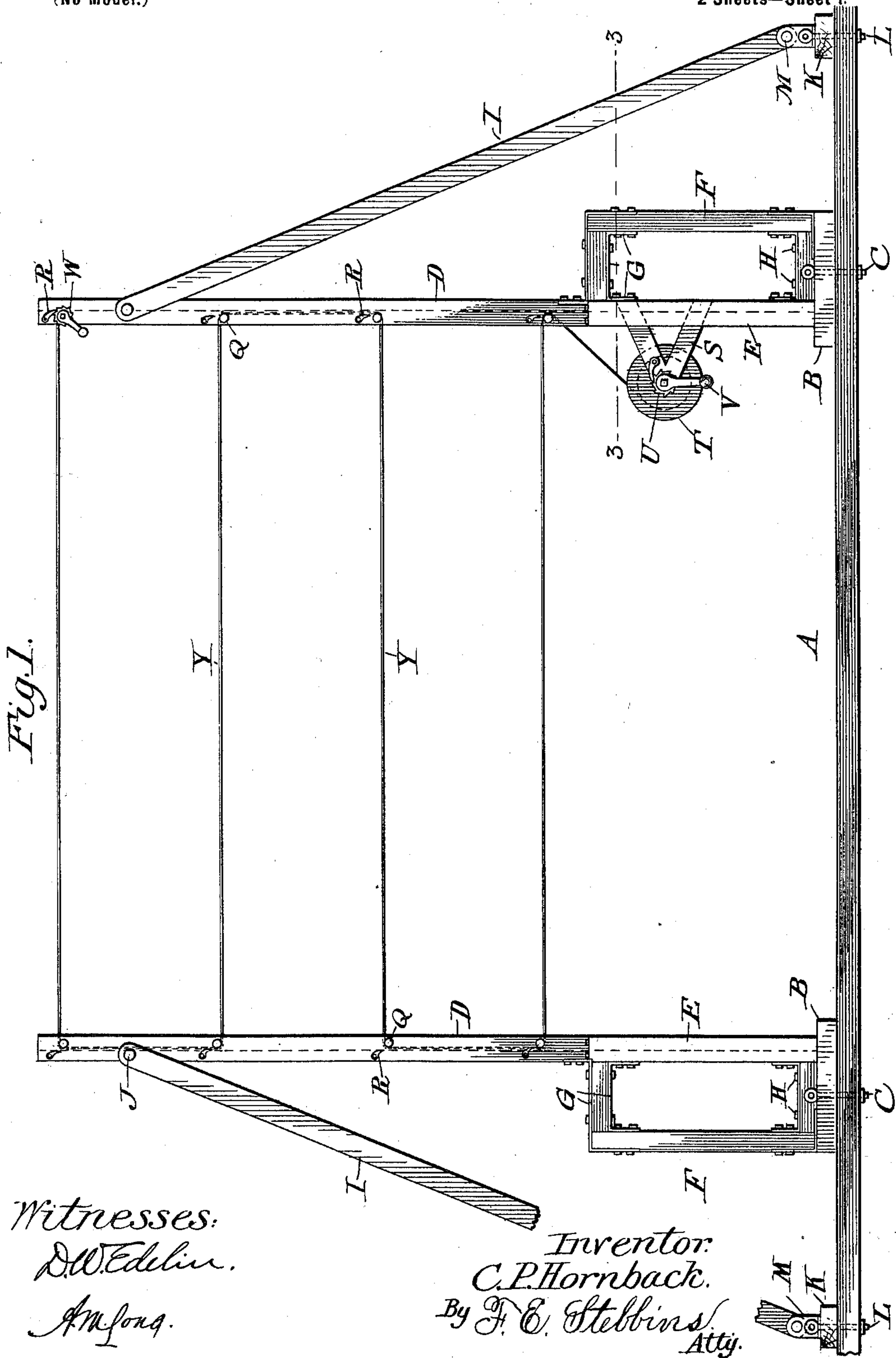
C. P. HORNBACK.

ADJUSTABLE STAND FOR SUPPORTING AND DISPLAYING PURPOSES.

(Application filed Nov. 21, 1898.)

(No Model.)

2 Sheets—Sheet 1.



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2 Sheets—Sheet 2.

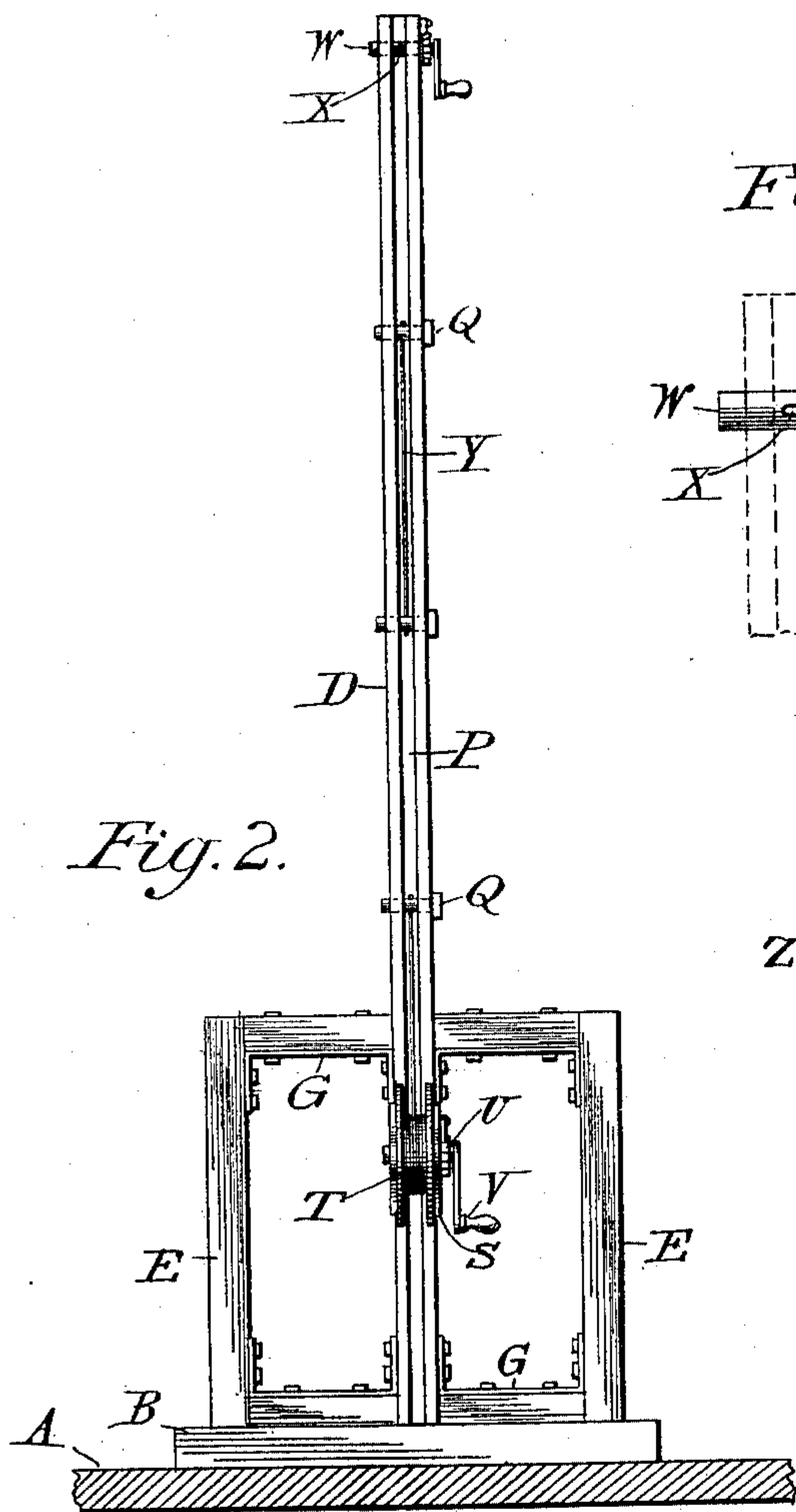


Fig. 4.

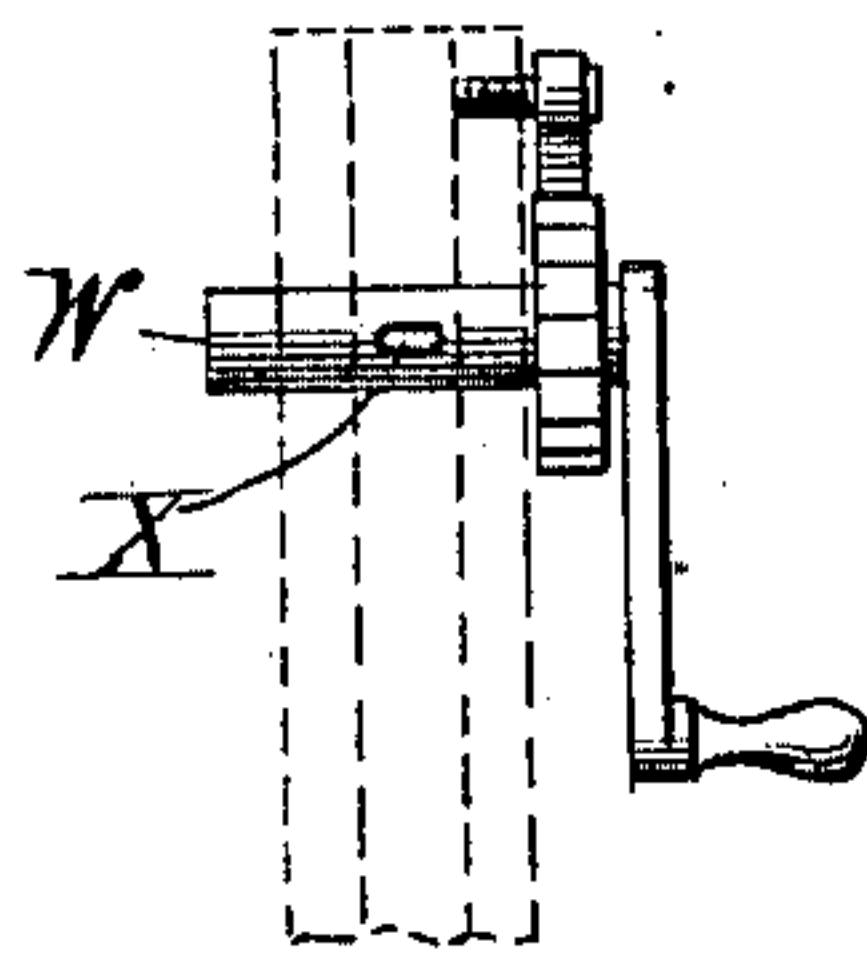
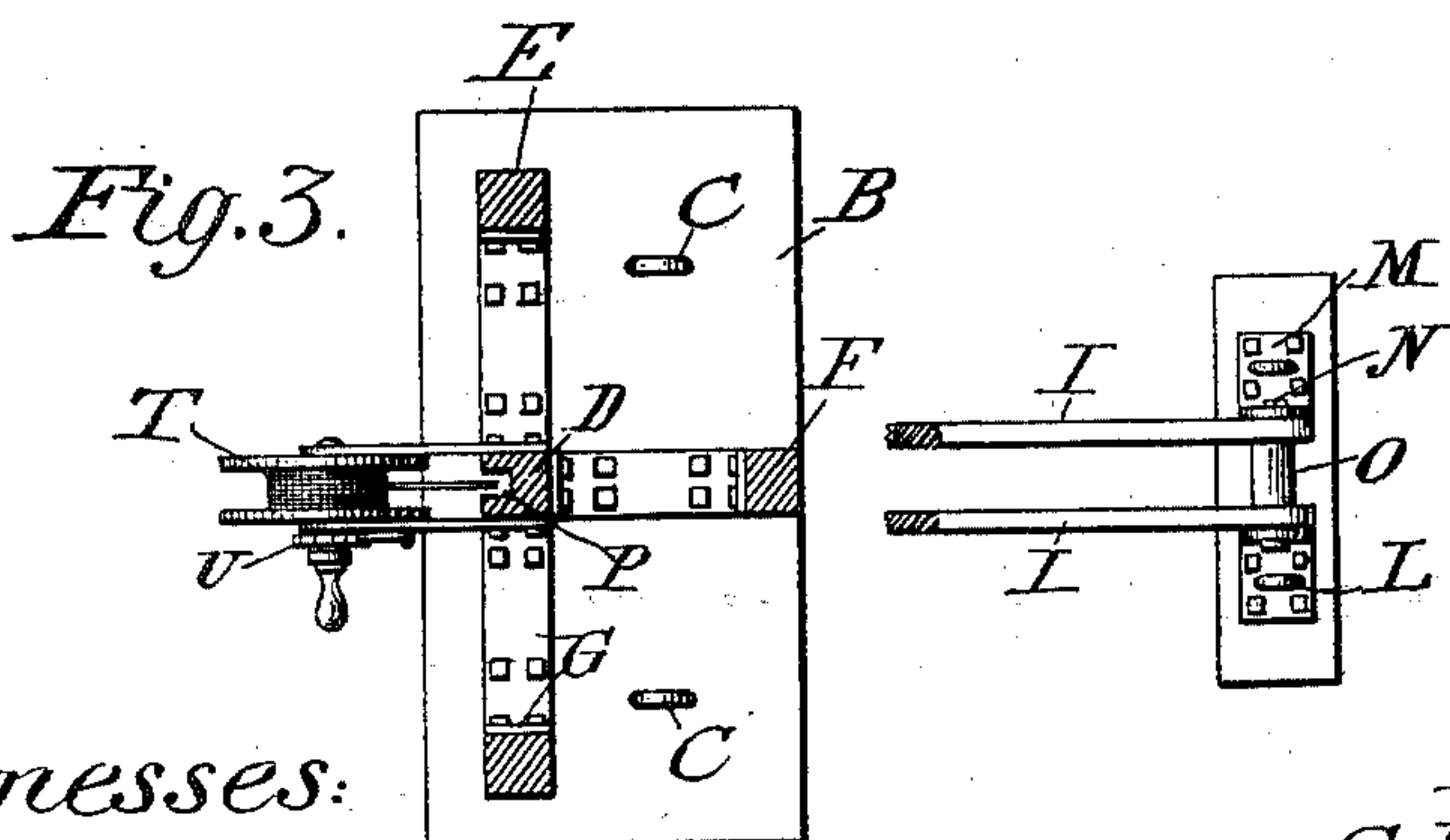
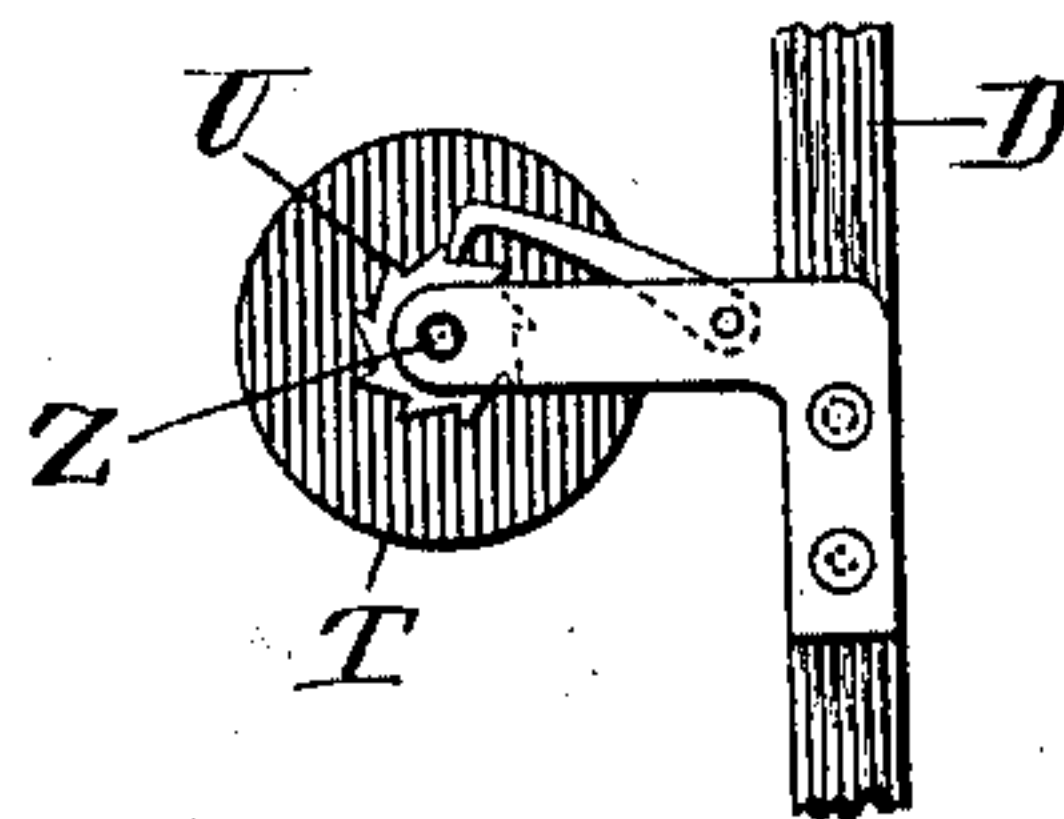


Fig. 5.



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# UNITED STATES PATENT OFFICE.

CHARLES P. HORNBACK, OF CHESTER, ARKANSAS.

ADJUSTABLE STAND FOR SUPPORTING AND DISPLAYING PURPOSES.

SPECIFICATION forming part of Letters Patent No. 626,541, dated June 6, 1899.

Application filed November 21, 1898. Serial No. 697,094. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES P. HORNBACK, a citizen of the United States, residing at Chester, in the county of Crawford and State of Arkansas, have invented a new and useful Adjustable Stand for Supporting and Displaying Purposes, of which the following, taken in connection with the accompanying drawings, is a specification sufficiently full, clear, and accurate to enable persons skilled in the art to make and use the same.

The object of my invention is the production of means upon which dry goods, wearing-apparel, and articles and things of various kinds can be displayed in stores or warehouses, and which will also be adapted for use out of doors in innumerable cases where objects or things are to be supported or displayed for any purpose whatever, the said means to be cheap in first cost, easily erected and taken down, and adjustable so as to suit the particular occasion, and which finally shall be capable of supporting a great weight without sagging or breaking down or the displacement of any of the constituent parts.

With the above object in view I construct a stand comprising two separate perpendicular posts or uprights, each post being provided with a foundation-piece, an oblique rear brace, and side braces, a reel and wire, and means whereby the end of the wire may be changed from one position to another on each post, so as to make any number of lines of wire which may seem desirable.

My invention consists in certain novelties of construction and combinations and arrangements of parts hereinafter set forth and claimed.

The drawings show one example only of the physical embodiment of my invention made according to the best mode of procedure I have so far devised for the application of the principle.

Figure 1 illustrates in elevation a complete stand having four lines of wire supported on the posts, the dotted lines indicating the position of the wire in the grooves of the posts, and the entire device shown attached and anchored to a store-counter or upon the floor of a store or warehouse. Fig. 2 is a front view in elevation of one post, the side braces, and the reel. Fig. 3 is a sectional plan view taken

on line 3 3 of Fig. 1. Fig. 4 is a view of the shaft having a ratchet-wheel which is located at the top of the post. Fig. 5 illustrates a modification of the reel mechanism.

Referring to the figures of the drawings, the letter A designates the top of a store-counter or a floor upon which the stand is located:

B B are foundation-pieces of board or plank or other suitable material; C C, bolts which anchor the foundation-pieces to the counter or floor; D D, posts erected on the foundation-pieces; E E, side braces of the form shown, one being placed each side of a post; F F, rear braces, each directly in the rear of a post; G G, metallic straps or angles which, in connection with bolts or screws, serve to unite parts of the braces to each other and to the posts; H H, bolts which secure the lower parts of the braces to the foundation-pieces; I I I I, oblique braces; J J, bolts which pass through the upper ends of the braces and through the body of the posts; K K, anchor-pieces for the lower ends of the oblique braces; L L, anchor-bolts passing through the anchor-pieces and counter or floor; M M, angle-irons bolted or screwed to the anchor-pieces; N N, bolts passing through the ends of the angle-irons and the lower ends of the oblique braces; O O, spacing-tubes located between the braces and through which the bolts N N are passed; P P, longitudinal grooves in the posts; Q Q, bolts or pins removably located in holes made in the parts of the posts containing the grooves; R R, pawls pivoted on the posts adjacent the holes in the posts; S S, supporting-arms secured to a post on each side thereof. T is a reel journaled in the arms; U, a pawl and ratchet mechanism; V, a crank; W, a shaft having a ratchet and a crank; X, a slot in the shaft, and Y is a continuous length of wire secured at one end to the reel and at the other end to the shaft having the ratchet and crank.

The adjustment of the wire is effected as follows: Assuming that the wire is wound upon the reel, the loose end is unwound and passed around the pin Q at the right and above the reel. Then the end is carried across to the opposite post and passed around the lowest pin Q. Next the end is carried around the pin Q directly above. Then it is trans-



ferred to the first post and successively caused to engage the pins of the two posts till the end reaches the shaft W, where it is inserted in the slot X and bent over so as to be held in place. A few turns of the shaft W will take up the slack in the wire in the top lines, and the reel at the bottom will perform the same function for the lower lines.

It will be observed that the shaft and crank W are removable, and can consequently be substituted for one of the pins or bolts Q, the pawl adjacent the pin then being used in connection with the ratchet on the shaft W. By providing this possibility of adjustment any number of lines can be extended between the posts and at any height desirable.

While I have illustrated on the drawings and specifically described only one example of the physical embodiment of my invention, I do not thereby intend to limit its scope to the pictured details of constructions or arrangement, as many colorable changes may be introduced. For instance, I may locate the stand upon the ground or a specially-prepared foundation when the device is to be used in the open instead of in a store or other building. When thus placed, a different type of bolt or other means may be employed to rigidly secure the foundation and anchor pieces in place. The location of the oblique braces may be shifted to positions between the posts, so that they will be in compression and not in tension, as shown. The rear braces F F may also be changed in like manner to the oblique braces. Further, the construction of the rear and side braces may be altered as long as the functions of preventing side and forward motions of the posts relative to the foundation-pieces are preserved. Still further additions may be made and the dimensions of parts changed at will. Sheaves may

be placed on each of the pins Q and the posts made of any height and size and anchored any distance apart, as ten or two hundred feet or more, as the service may require.

The foregoing enumerated and other colorable changes and modifications and arrangements and substitutions of equivalents I shall regard as unsubstantial and as falling within the scope of my invention.

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

1. The combination in a stand of the following elements, to wit: two posts D, D, each post having a longitudinal groove P; pins Q; a continuous length of wire uniting the posts and passing around the pins; a reel to which is attached one end of the wire, the other end thereof being attached to a post; and braces for the posts; in substance as set forth.

2. The combination in a stand of the foundation-pieces B, B; posts D, D; braces for the posts; a continuous length of wire Y; the removable pins Q; the reel supported on a post and to which is attached one end of the wire; the removable shaft W having a ratchet and to which the other end of the wire is attached; and pawls on the posts adjacent the removable pins; in substance as set forth.

3. The combination in a stand and for the purposes set forth of two posts; a continuous length of wire; a reel having ratchet-and-pawl mechanism; a removable shaft having a ratchet, the body of the wire being supported on the posts; and pawls located on the posts adjacent holes made through the posts, whereby the shaft having the ratchet may be adjusted at different positions on the posts.

CHARLES P. HORNBACK.

Witnesses:

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