

No. 675,043.

Patented May 28, 1901.

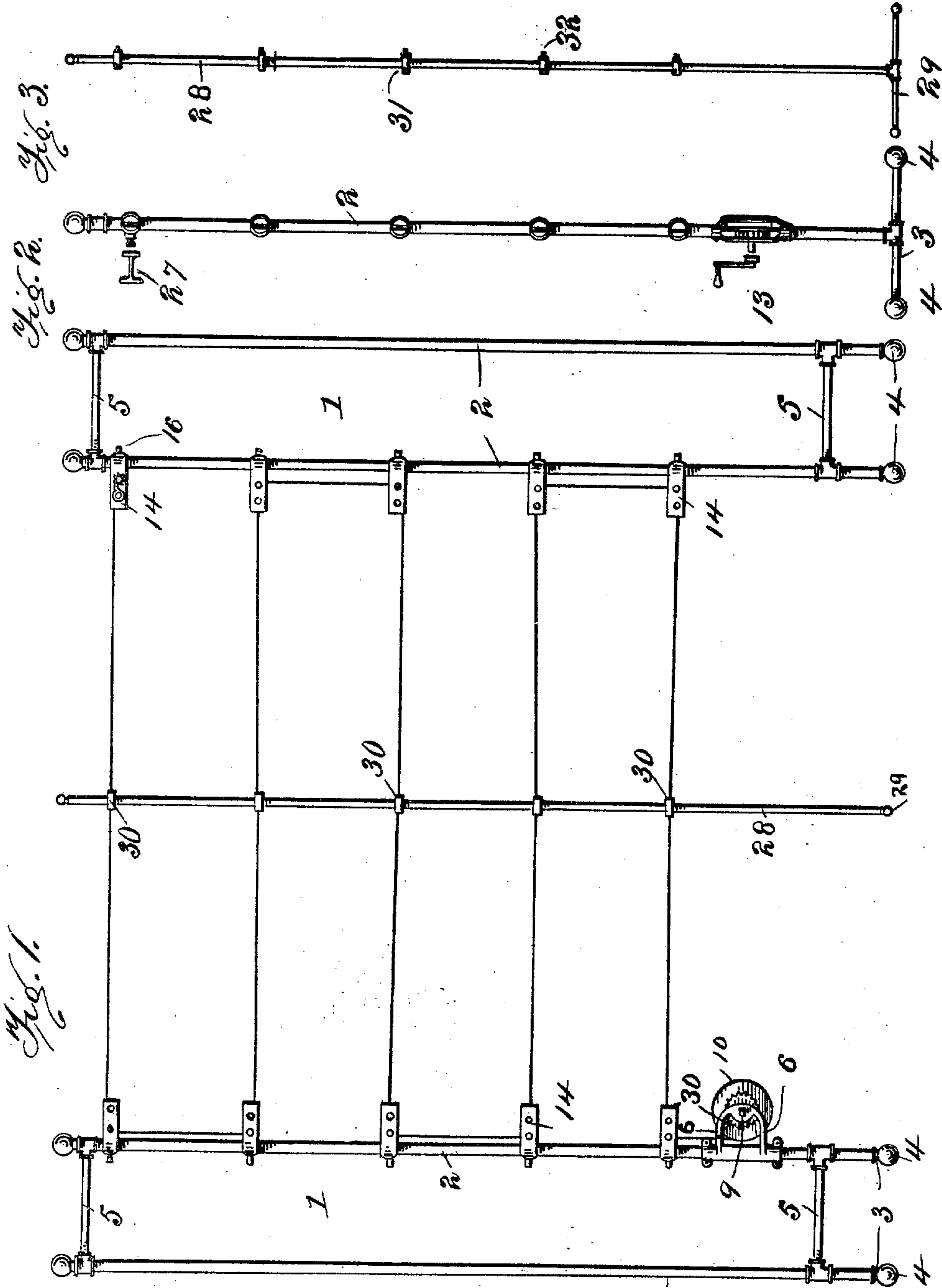
C. P. HORNBACK.

ADJUSTABLE STAND FOR SUPPORTING AND DISPLAYING PURPOSES.

(Application filed Aug. 27, 1900.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses
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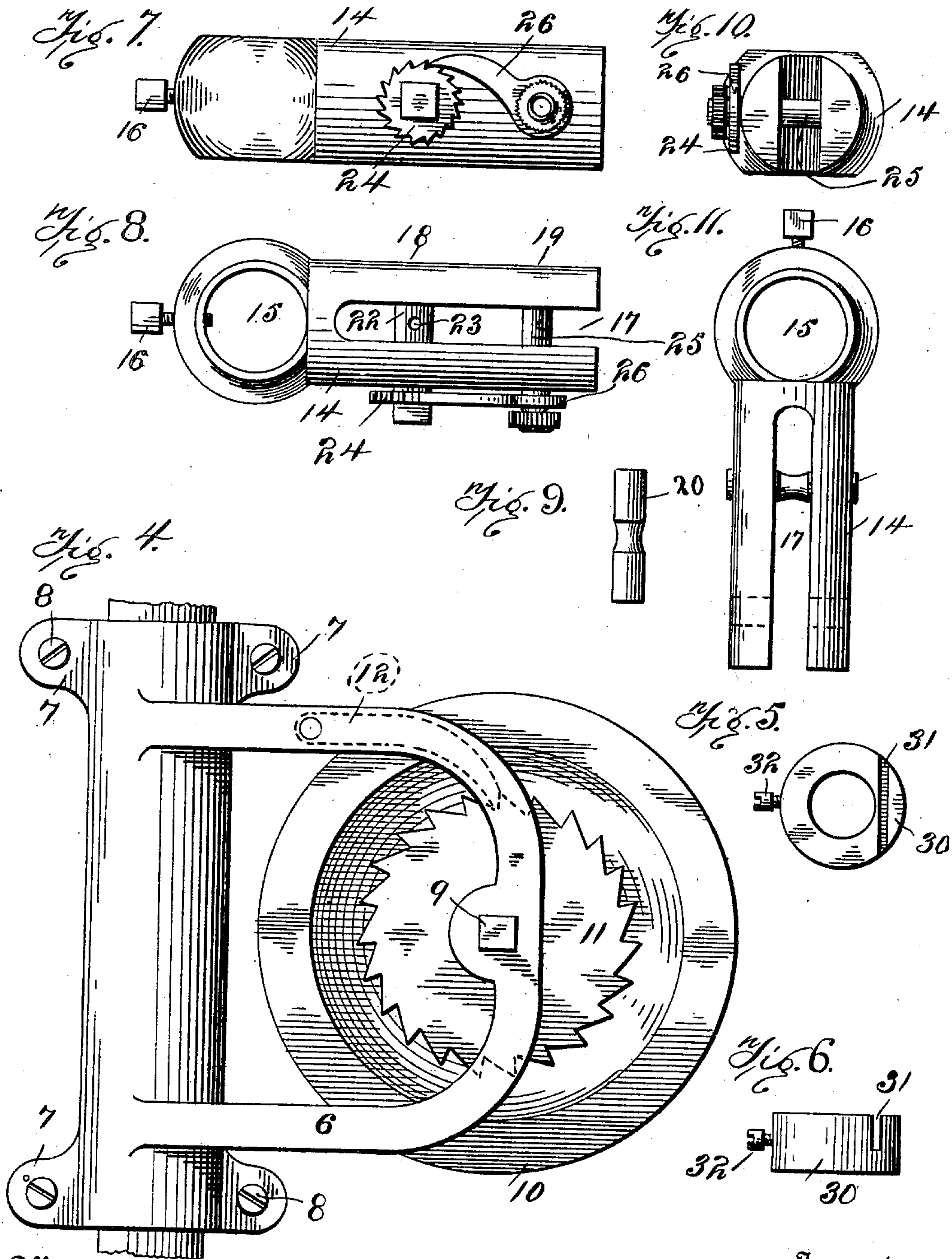
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UNITED STATES PATENT OFFICE.

CHARLES P. HORNBACK, OF CHESTER, ARKANSAS.

ADJUSTABLE STAND FOR SUPPORTING AND DISPLAYING PURPOSES.

SPECIFICATION forming part of Letters Patent No. 675,043, dated May 28, 1901.

Application filed August 27, 1900. Serial No. 28,172. (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 certain new and useful Improvements in Adjustable Stands for Supporting and Displaying Purposes, of which the following is a specification.

The object of my invention is the provision of means upon which dry goods, wearing-apparel, and other articles and things of various kinds can be displayed in stores and warehouses and which shall 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 being comparatively simple in construction, cheap in first cost, easily manipulated, and adjustable, so as to be suited within limits for any particular use which occasion may demand, and which, finally, shall be capable of supporting a great weight without sagging or the displacement of any of the constituent parts.

With the above-mentioned end in view my invention consists in certain novelties of construction and combinations and arrangements of parts hereinafter set forth, and specified in the claims.

The drawings illustrate an example of the physical embodiment of my improvements, which is constructed according to the best mode or method I have so far devised for the application of the principle.

Figure 1 illustrates in side elevation the complete stand, showing at the right and left two supports, one of them having a windlass and wire arranged in parallel lines one above the other on the supports and connecting the same. Fig. 2 is a front elevation view of the support at the left, also showing the windlass and crank. Fig. 3 is a view in elevation of an adjusting-rod with the adjustable rings in place thereupon. Fig. 4 is an enlarged view of the windlass. Figs. 5 and 6 illustrate one of the rings removed from the adjusting-rod. Fig. 7 is a side view of a holder or clamp detached with the take-up device applied. Fig. 8 is a top plan view of the same. Fig. 9 is a pin which supports the wire upon a holder or clamp. Fig. 10 is an end view of Fig. 7. Fig. 11 illustrates a holder or clamp with the pin

shown in Fig. 9 inserted in a hole made therethrough.

Referring to the several figures, the numeral 1 designates the two main supports or uprights as a whole.

2 2 are the two parallel rods of each upright, and 3 3 the base-pieces secured to the ends of the rods and extending in lines at right angles thereto.

4 designates balls or enlargements at the ends of the base-pieces, and 5 5 rods or bars which unite the parallel posts 2 2 at the top and bottom ends.

The windlass is detachably secured to one of the posts 2, near the bottom thereof.

The numerals 6 6 designate the supporting-arms, which are counterparts and lap around the post.

7 designates lips which match each other each side of the post, and 8 screw-bolts which clamp the arms to the post.

9 is a shaft loosely journaled in holes made in the arms, said shaft having an angular end; 10, a reel on the shaft; 11, a ratchet on the shaft; 12, a pawl pivoted to an arm, and 13 is an operating-crank adapted to engage the angular end of the shaft.

Upon one of the posts of each main upright are adjustably secured a series of wire or line holders or clamps, enlarged views of which are shown on Sheet 2 of the drawings. The numeral 14 designates these line-holders. 15 is a hole at one end; 16, a set-screw; 17, a slot; 18 and 19, holes through the holder, and 20 is a grooved pin adapted to fit within one of the holes.

The slack-take-up device comprises a pin 22, having an angular end with a hole therethrough to receive the end of the wire, a ratchet 24 on the pin, and a second pin 25, having a pawl 26 pivoted thereto, the said pins being adapted for use with any one of the holders. The pin 22 is rotated by means of a wrench 27. (Shown by Fig. 2 of the drawings.)

To prevent the lines of wire sagging when the uprights are located some distance apart, I employ an adjusting rod or rods, one of which is illustrated by Fig. 3 of the drawings. The numeral 28 designates one of these rods. 29 is the base-piece. 30 designates rings. 31 is a slot in a ring to confine a wire or line, and 32 is a set-screw.

The main supports or uprights can be located any desired distance apart. I have constructed a stand in which the uprights are located one hundred and fifteen feet apart, with
 5 six parallel lines, giving a length of six hundred and ninety feet for supporting or displaying purposes, and in connection with which I use four adjusting-rods, suitably spaced to prevent undue sagging of the lines. The wire
 10 is adjusted as follows: Assuming that the same is wound upon the reel, the loose end is unwound and passed around a pin 20 above the reel. Then the end is carried across to the opposite upright and passed around the low-
 15 est pin in the lowest holder. Next the end of the wire is passed around the pin in the holder directly above. Then it is transferred to the first upright, and thus successively caused to engage the pins of the two uprights until it
 20 reaches the last one, where it is inserted in the hole 23 in the ratchet-pin of the slack-take-up device. The wire is then tightened and the slack removed at each end by the slack-take-up device and the reel, as is obvious.

25 It will be observed that the pins 22 and 25 of the take-up device can be transferred to any one of the holders, so that any number of lines of wire can be used.

By means of the set-screws, in connection
 30 with the holders and rings, the space between the lines of wire can be adapted to any particular use that occasion may demand, inasmuch as the said holders and rings can be moved up and down upon the posts and adjusting-rod. Many differently-disposed lines
 35 can be found by different positions of the holders and zigzag lines found by reversing the rings upon the adjusting rods or rod.

While I have illustrated 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 construction or arrangement, as many colorable changes may be introduced at will.
 45 I may add means for anchoring the main supports or uprights to a store-counter or floor, or to the ground when the stand is to be used out of doors. Sheaves may be placed upon the pins 20, braces supplied for the uprights,
 50 and many other additions, changes, and attractions introduced. I preferably use pipe for the posts of the uprights and unite the several parts by threaded couplings, so the several constituent elements may be disconnected
 55 and united to form uprights of greater height extending from the floor to the ceiling, if so desired.

The foregoing-enumerated and other modifications and the substitutions of equivalents

I shall regard as unsubstantial and as falling 60 within the scope of my invention.

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

1. The combination in an adjustable stand, of two uprights, each comprising two parallel 65 rods united by rods, 5 5, and having base-pieces, 3 3, at right angles to the rods, 2 2, whereby the said uprights will not tip side-wise; a windlass support or frame having lips, 7, embracing a rod, 2 of an upright; hold- 70 ers each having a hole, 15, at one end, a slot at the other end, and a set-screw; a pin, 20, adapted to fit a hole in the holder; a continuous length of wire supported by the holders in different horizontal planes; and a mov- 75 able adjusting-rod having a base, 29, perpendicular to the rod, and rings, 30, thereon, each ring being provided with a slot, 31, and a set-screw; the said base, 29, preventing the sag- 80 ging of the lines of wire from a plane parallel with the uprights.

2. The combination in an adjustable stand, of two supports or uprights, 1 1, each comprising parallel rods, 2, united by rods, 5 5; vertically-adjustable holders, each holder 85 having a hole, 15, at one end, a slot at the other end, two holes, 18, 19, therethrough, and a set-screw, 16; a pin, 20, adapted to fit one of the holes in the holder; a windlass secured to one of the uprights; a continuous 90 length of wire supported by the holders; a slack take-up embracing two pins and a ratchet and pawl adapted to be moved from one holder to another; and an independent movable adjusting-rod having a base-piece at 95 right angles to the rod, and movable rings on the said rod having slots.

3. The combination in an adjustable stand, of two supports or uprights, 1 1, each comprising parallel rods, 22, united at top and bot- 100 tom; vertically-adjustable holders or clamps, 14, each embracing a rod, 2, of each support; a windlass secured to one of the supports; a continuous length of wire supported by the holders or clamps and forming lines of wire 105 in different horizontal planes; a slack take-up; and an independent movable adjusting-rod having a base-piece, 29, and rings, 30, for holding the lines of wire intermediate the supports in a plane parallel with a perpen- 110 dicular plane coinciding with the supports.

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

CHARLES P. HORNBACK.

Witnesses:

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 J. W. KARNS.