

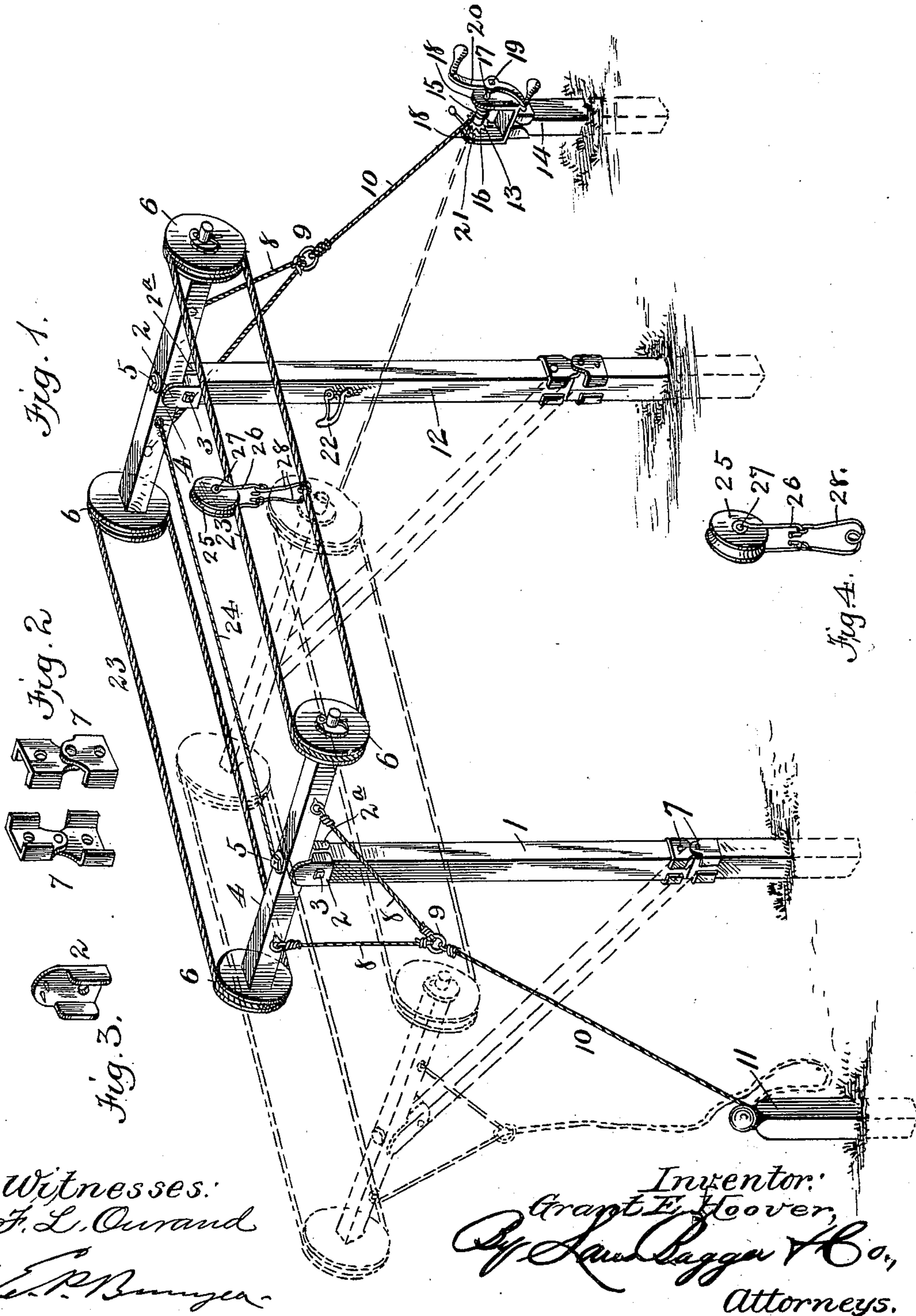
No. 667,523.

Patented Feb. 5, 1901.

G. E. HOOVER.
CLOTHES LINE.

(Application filed July 12, 1900.)

(No Model.)



Witnesses:
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UNITED STATES PATENT OFFICE.

GRANT E. HOOVER, OF FREEPORT, ILLINOIS.

CLOTHES-LINE.

SPECIFICATION forming part of Letters Patent No. 667,523, dated February 5, 1901.

Application filed July 12, 1900. Serial No. 23,392. (No model.)

To all whom it may concern:

Be it known that I, GRANT E. HOOVER, a citizen of the United States, residing at Freeport, in the county of Stephenson and State of Illinois, have invented new and useful Improvements in Clothes-Lines, of which the following is a specification.

My invention relates to clothes-lines and supporting devices therefor; and one object 10 of the same is to provide a support for the line which may be quickly lowered to put the same in position to be easily reached by the laundress and which may be raised to the desired height after the clothes have been 15 hung upon the line.

Another object is to provide a device of the character referred to which will permit the laundress to stand at one place and attach all the wash to the different clothes-lines.

20 I attain these objects by means of the mechanism shown in the accompanying drawings, in which—

Figure 1 is a perspective view of my clothes-line support in position for use. Fig. 2 is a 25 detail perspective view of the hinges. Fig. 3 is a perspective view of one of the flange-plates. Fig. 4 is a similar view of a clothes-line tightener which I may use.

Like numerals of reference designate like 30 parts in the different views.

Referring to the drawings, the numeral 1 designates a post, which may be of wood or metal and is provided at its upper end with a pair of flange-plates 2 2^a of the same construction, said plates being secured to the 35 post by a single bolt 3, passing through both plates and the intermediate post. Secured to the upper end of this post is a cross-arm 4, attached by a bolt 5, passing through said 40 cross-arm and into the post. The cross-arm is seated between the flange-plates 2 2^a, and at the ends of the cross-arm grooved pulleys 6 6 are journaled on suitable pintles on the ends of the cross-arm.

45 At a point near the lower end of the post 1 hinges 7 are attached in a suitable manner to permit the post to swing for a purpose to be set forth.

Guy-ropes 8 are attached at opposite sides 50 of the center of the cross-arm 4, and at their outer ends these ropes are connected to a ring 9. A rope 10 is attached at one end to the ring

9, and its opposite end is connected to a stake 11, rigidly secured in the ground at a proper distance from the post 1.

55 Located at any desired distance from the post 1 is a post 12, which is in every respect similar to post 1 and is provided with the same details of construction, consisting of the flange-plates, the cross-arm, the grooved 60 pulleys, and the hinged joint. The guy-ropes and rope 10 are also attached to the cross-arm in the same manner; but the outer end of the rope 10 is connected to a windlass 13, secured at the top of a post 14, driven into 65 the ground in a fixed position at some distance from the post 12. This windlass consists of a winding-drum 15, a ratchet-wheel 16 at one end thereof, and a shaft 17, passing through the drum and ratchet-wheel and 70 journaled at its ends in the bearings 18, secured to the post. The projecting end 19 of the shaft 17 is squared to form a seat for a double crank 20 for operating the drum, and a dog or pawl 21, of ordinary construction, is 75 pivoted to one of the bearings 18 and serves to hold the ratchet and drum at any adjusted position.

A hook 22 may be secured to one of the posts to serve as a support for a receptacle for 80 clothes-pins.

The clothes-lines 23 pass around the pulleys 6 6, and a fixed line 24 may be attached to the cross-arms, if desired. It will also be obvious that more than two pulleys may be 85 mounted on each cross-arm.

The clothes-line tightener (shown in Fig. 4) consists of a pulley 25, adapted to be placed on the upper strand of the clothes-line 23, and the hooks 26 are suspended from the pintle 90 27 of said pulley. A cord or stay 28 is connected at its ends to the hooks 26, and by shortening the cord the clothes-lines may be tightened between the pulleys 6.

The operation of the device is as follows: 95 When the support is in the position shown in full lines in Fig. 1, the laundress may hang the clothes on the lower strands of the lines 23 and on the line 24. If it should be deemed necessary to lower the lines, so that they may 100 be more readily reached, this may be accomplished by letting out the rope 10 at the windlass and permitting the cross-arms to descend to the position shown in dotted lines. When-

ever the lines need tightening, the windlass may be operated to bring the posts into vertical position.

Having thus fully described my invention,
5 what I claim is—

1. A clothes-line comprising two posts hinged near their lower ends and provided with cross-arms attached at their upper ends, pulleys on the cross-arms, clothes-lines passing
10 around said pulleys, ropes connected to the cross-arms, one of said ropes being secured to a rigid stake on one side of one post, and the other rope extending to a windlass
15 at some distance from the other post, substantially as described.

2. A clothes-line, comprising, the two hinged posts, the flange-plates at the upper ends thereof, the cross-arms bolted to the posts between the flange-plates, the pulleys on the cross-arms, the clothes-lines on the pulleys, 20 the ropes connected to the cross-arms and also connected to a rigid stake and to a windlass, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses. 25

GRANT E. HOOVER.

Witnesses:

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