

(No Model.)

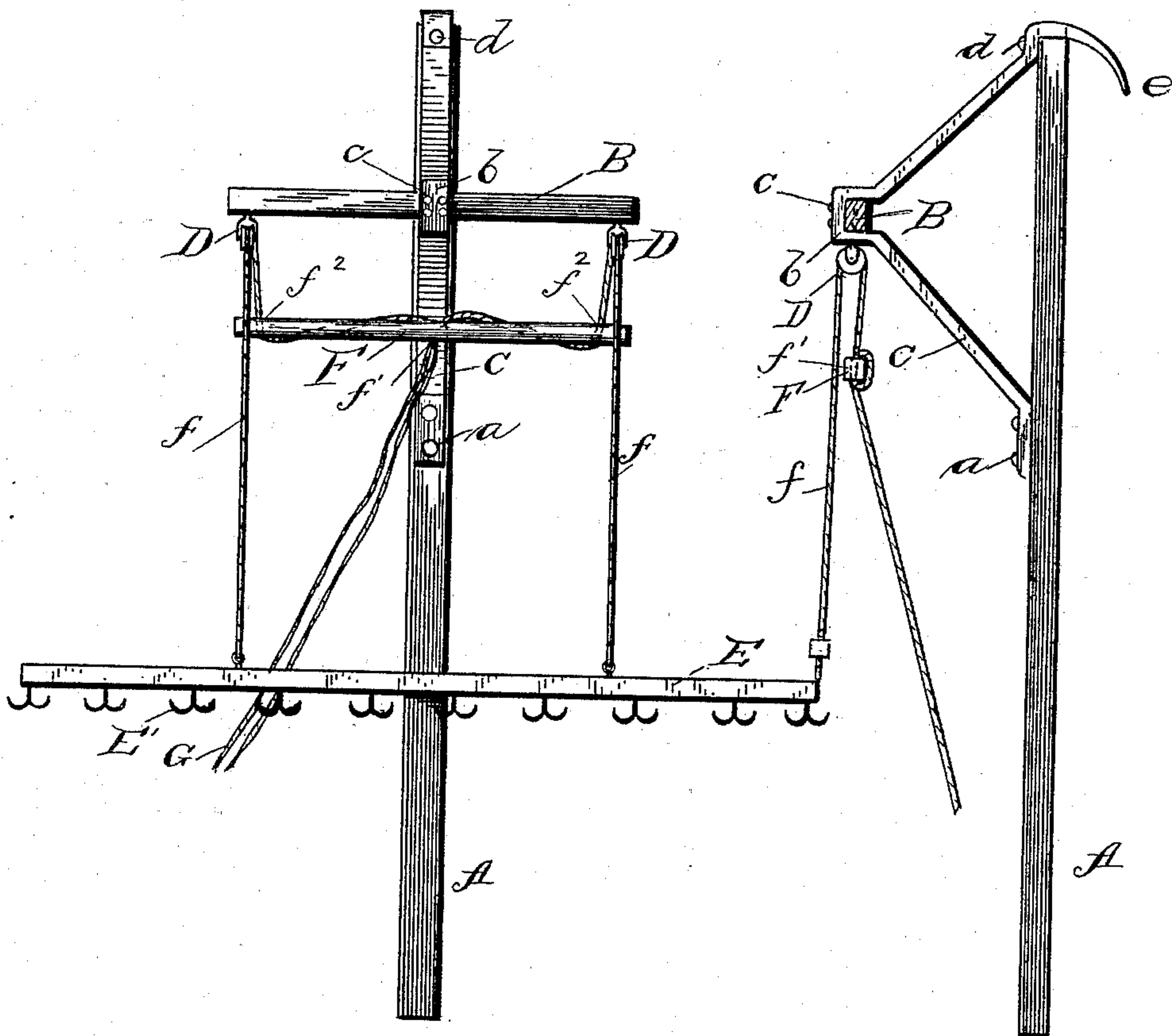
B. F. VANLANDINGHAM.  
TOBACCO ELEVATOR.

No. 495,763.

Patented Apr. 18, 1893.

Fig 1.

Fig 2.



Attest  
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# UNITED STATES PATENT OFFICE.

BENJAMIN F. VANLANDINGHAM, OF CRITTENDEN, KENTUCKY.

## TOBACCO-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 495,763, dated April 18, 1893.

Application filed November 26, 1892. Serial No. 453,241. (No model.)

*To all whom it may concern:*

Be it known that I, BENJAMIN F. VANLANDINGHAM, a citizen of the United States of America, residing at Crittenden, in the county of Grant and State of Kentucky, have invented certain new and useful Improvements in Tobacco-Elevators, of which the following is a specification.

My invention is an improvement in tobacco elevators or hoists for drying purposes, and the object of the invention is to provide a simple and improved construction by means of which a large quantity of tobacco may be easily and quickly elevated to the proper height, without requiring the attendance of as many workmen as has heretofore been found necessary.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 represents an elevation of my improved device, and Fig. 2 is a detail view taken a quarter turn from Fig. 1.

In the figures A, represents an upright or support consisting of a vertical pole of a size sufficient to furnish the requisite amount of strength for supporting the remaining parts for supporting the tobacco, and B, is a cross piece or bar secured to the upper end of the vertical pole. I prefer to secure this cross bar by means of the bracket as shown in Fig. 2. One end of this bracket C, is bolted to the side of the vertical pole as at *a*, whence it inclines outwardly and upwardly and is provided with a loop or rectangular portion *b*, within which the cross bar rests, being secured thereto by means of bolts *c*; from this point the bracket extends upward to the top of the vertical pole, to which it is bolted by the bolt *d*. The end of the bracket is extended across the vertical pole and inclines downwardly a short distance upon the other side thereof in the form of a hook as at *e*, by means of which the upper end of the pole may be secured to a rafter, joist, or other similar support. The cross bar is formed of a length sufficient to balance the stick of tobacco, and has pulleys D, secured to its outer end through which pass the ropes *f*, as shown. These ropes are secured at one end to the tobacco carrier, this carrier consisting of a bar of suitable

size and length, as at E, provided with a series of double hooks E' for supporting the tobacco. The ropes are secured to the carrier at points directly beneath the pulleys upon the cross bar so that the said ropes will be parallel. From the pulleys upon the cross bar the ropes extend down through openings *f*<sup>2</sup> in the ends of a rod F, and from these openings they are carried toward the center of the rod and through an opening *f*' therein, from which point they may extend downward within convenient reach thus forming the draw rope G.

At the present time when tobacco is cut in the field the stalk is split down to within a few inches of the ground, and is then placed upon suitable sticks and in this manner carried to the barn where the stick with the stalks thereon is placed upon cross bars erected for the purpose. These cross bars are in tiers one above the other requiring sometimes as many as six or seven men to pass the stick with its stalks of tobacco to the upper tier.

My invention is for the purpose of reducing the force of men required to place the stick of tobacco in the upper tiers.

The manner of using my invention is as follows: The machine is taken up into the tier in which it is desired to hang the tobacco and hung upon the tier pole or other stationary support by means of hook *e*. The carrier E, is let down to within convenient reach of the person on the floor or wagon, who then places the tobacco in the hooks E' and by means of draw rope G, draws the carrier with its load up to the person in the tier who then places the stick with the tobacco into the tier in the usual manner, the stop rod F, regulating the movement of the rope, and keeping the carrier at the desired height while being loaded. The carrier is made sufficiently heavy so that it will descend by its own gravity as soon as unloaded.

I claim as my invention—

1. In a tobacco elevator a vertical post, a cross bar supported thereon, carrying pulleys upon its ends, ropes passing through said pulleys and connected to a suitable carrier, a stop rod having openings in its ends and an opening in the center, the free ends of said ropes



extending through the outer openings and thence inward through the central opening, substantially as described.

2. In a tobacco elevator a vertical post, a  
5 bracket mounted upon the upper end thereof having its end extended beyond said post to form a hook, a cross bar carried in said bracket and provided with pulleys, a carrier, with ropes  
10 extending from said carrier through the pulleys, a stop rod provided with outer openings

and a central opening, the free ends of the ropes being carried through the outer openings and inward and through the central opening, substantially as described.

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

BENJAMIN F. VANLANDINGHAM.

Witnesses:

S. E. HOGSETT,

J. C. LINDER.