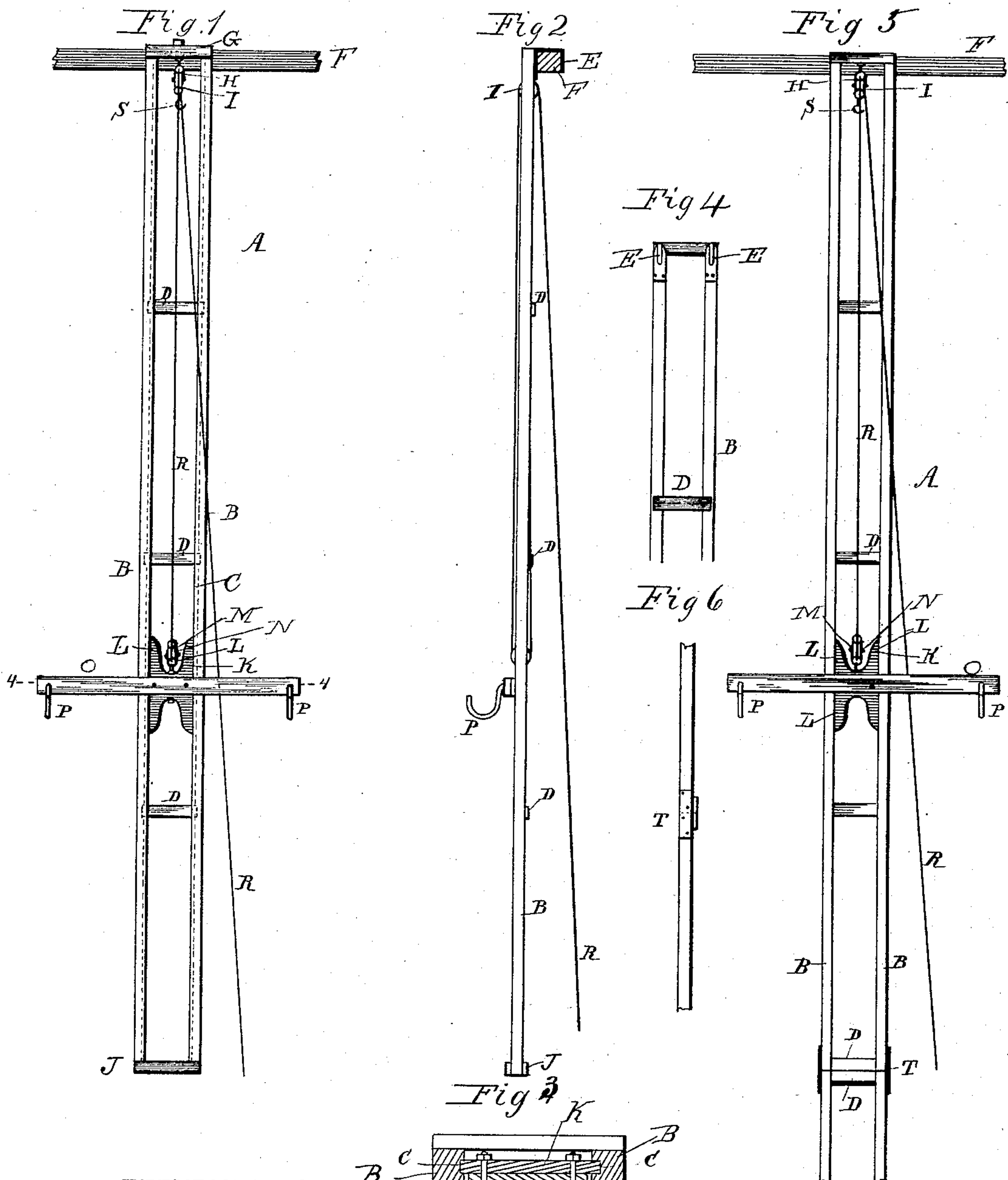


(No Model.)

S. D. HURST.
TOBACCO ELEVATOR.

No. 327,088.

Patented Sept. 29, 1885.



WITNESSES
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TOBACCO-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 327,088, dated September 29, 1885.

Application filed September 3, 1885. (No model.)

To all whom it may concern:

Be it known that I, SHREWSBURY D. HURST, a citizen of the United States of America, residing at Versailles, in the county of Woodford and State of Kentucky, have invented certain new and useful Improvements in Tobacco-Elevators; and I do hereby 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 letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to certain improvements in tobacco-elevators, as will be hereinafter described.

In the accompanying drawings, Figure 1 represents a front elevation of my improved elevator. Fig. 2 is a side elevation thereof. Fig. 3 represents a horizontal section on the line 4 4 of Fig. 1. Fig. 4 represents a rear elevation of the upper portion of the elevator-guides. Fig. 5 represents a front elevation of my improved elevator, showing the manner of extending the same. Fig. 6 represents a side elevation of a portion thereof.

A represents the guideway along which the carriage supporting the tobacco-carrying bar travels. This way is formed of two strips or bars, B B, of hard wood, having grooves or ways C formed vertically along their inner faces.

D represents bracing-strips, which are attached to the rear faces of the strips B for the purpose of securing the same firmly in position. These strips D are placed at the rear of the way, so as to prevent any interference with the vertical passage of the carriage.

E E represent hooks attached to the upper rear faces of the strips B to permit of the way being hooked over the tier-rail F.

G represents a cross-piece connecting the upper ends of the side bars or strips, B. Depending from this cross-piece is a casing or bearing, H, within which a pulley, I, has bearing. To or near the bottom of the way is removably attached a stop or stops, J, with which the lower end of the carriage comes in contact on reaching its lowest position, the object of this stop being to prevent the car-

riage passing out of the guideways, and also preventing either the hooks on the carrying-bar or the tobacco thereon coming in contact with the floor or anything thereon.

K represents a block or carriage having upwardly and downwardly extending side wings, L, which engage with and slide within and along the grooves or ways C in the side strips or bars, B, upon said carriage being elevated or lowered. To the upper portion of this carriage is attached a pulley, M. Any known means of connecting such pulley in position may be employed. In the drawings I have shown a convenient form, which consists of a casing, N, attached to the carriage by a wood-screw and having the pulley journaled therein.

O represents the tobacco-carrying bar. This bar is bolted or otherwise attached to the carriage, and extends crosswise of the same and of the way, its ends extending beyond the side bars, B, to any desired distance, according to the number of hooks and quantity of tobacco it is designed to accommodate.

P represents hooks attached to the carrying-bar and upon which the tobacco is hung.

Q represents a block inserted between the carriage and the tobacco-carrying bar for the purpose of fending the carrying-bar from the way and preventing friction between the carrying-bar and the way.

R represents the rope or cord by means of which the operative can raise or lower the carriage. This rope extends up to and over the pulley I in the upper end of the way, and from thence down to and around the pulley on the carriage, and from thence passing up to and engaging with a hook or eye, S, depending from the pulley-casing H.

Sometimes it is desirable to increase the length of the ways. In such case I remove the stop J at the lower end thereof, and attach to the lower end of the way an additional length or lengths of bars B by means of metal plates T, screwed or otherwise attached to the side faces of the respective sections, as represented in Figs. 5 and 6 of the drawings.

Having thus described my invention, what I claim is—

1. A tobacco-elevator having vertical way-pieces adapted at their upper portion to be

removably connected to the tier-rails, and having a pulley attached to said upper portion and grooves or guideways in their inner faces, a block or carriage adapted to slide between said guide-pieces and having a pulley 5 on the upper portion thereof, and a carrying-bar connected to said sliding block and having hooks mounted thereon, substantially as and for the purpose set forth.

10 2. In a tobacco-elevator, a way having suitable vertical guideways to receive and guide the elevating device, a pulley at its upper end

and a stop at its lower end, a block or carriage adapted to fit and slide within said guideways and having a pulley thereon, and 15 a tobacco-carrying bar connected to said carriage, substantially as set forth.

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

SHREWSBURY D. HURST.

Witnesses:

CHAS. J. GOOCH,
SETH W. TULEY.