J. Hannan.

Fruit Ladder.

No. 40,926. Patented Dec. 15, 1863.

Witnesses.
E. F. Olds
M. Hughston

Inventor.
James Hannan

THE GRAPHIC CO. PHOTO-LITH. 39 & 41 PARK PLACE, N.Y.

UNITED STATES PATENT OFFICE.

JAMES HANNAN, OF LYON, MICHIGAN.

IMPROVEMENT IN FRUIT-LADDERS.

Specification forming part of Letters Patent No. **40,926**, dated December 15, 1863.

To all whom it may concern:

Be it known that I, JAMES HANNAN, of the town of Lyon, in the county of Oakland and State of Michigan, have invented new and useful Improvements in Table and Ladder Combined for Gathering Fruit, House-Painting, and Like Purposes; and I do hereby declare that the following is a full and complete description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view, Fig. 2 is an end view, and Figs. 3, 4, 5, and 6 are sections or part views.

The nature of my invention relates to the construction of a combined table and ladder, for the objects herein specified.

The device consists of a double, self-supporting ladder, A, with lateral braces B, table C, adjustable platform D, and other parts hereinafter to be described. The two ladders are connected at one end by a pin, E, that passes entirely through one end of each, so that each part moves upon this pin as a hinge. Upon the top round of the ladder rests the table C, which is supported in the center by a standard, C′, and cleat C″, the table resting upon and the cleat being below the upper rounds of the two ladders. A frame-work, G, rises from this table, the posts having a long mortise in which the pin E moves up and down when the ladder is elevated and depressed. There are two other standards, F, that rise some four or five feet above the top of the ladders A, and through which the pin E passes. These standards are provided with rounds, and constitute an elevated ladder, to which is attached the windlass and tackle hereinafter to be described. The adjustable platform D rests upon the table C, to which it is held in contact by a pin or rod passing through the pieces G, just above the platform. In one of the pieces G are several holes, (shown at G′,) which are used for the purpose of passing a pin through both above and below the pin E, for the purpose of securing the ladder in any desired position. There are also holes in the table (not shown in the drawings) into which pins are also inserted on each side of the pin E, for the purpose of still greater security.

It will be observed that the table C rests firmly upon the top round of each ladder, and is attached only to the standards G. This sole attachment keeps the table C in a horizontal position and at a uniform distance from the platform and crane, hereinafter to be described, and at the same time allows the upper rounds of each ladder to assist in supporting it firmly. Upon the under side of the table, at each end, is a square cleat, and a little farther in are placed bevel-cleats, against which the upper round of the ladder rests, according to its position.

The adjustable platform D, as before stated, slides back and forth upon the table C, as indicated by the dotted lines D′ in Fig. 2, and upon the upper side, at each end, is attached a cleat to give strength and prevent the platform from drawing out.

At the top of the frame-work G is attached a standard, H, and to the top of this is secured the crane I. The crane I swings around upon the top of the standard H, and in the outer end thereof is a pulley, J, for windlass-rope K to pass over in raising and lowering the basket L.

Through the standards F F, I insert a windlass-shaft, M, which serves the double purpose of a windlass for hoisting and lowering the basket L by means of the rope K and a round to the elevated ladder F F. A crank, *a*, upon the end of the windlass M serves as a means to operate the windlass.

At the base of the standard H there is affixed a second platform, N, upon which the basket L is placed while being filled with fruit.

Upon each side of the ladder A A, upon the outer ends of the pin E, I attach the side braces, B. Their position is indicated by the dotted lines B′ in Fig. 1. These braces are designed to give lateral support to the ladder.

Upon the arm A′ of the ladder, at the upper end, I affix a hook, O, which passes through a hole in the plate P at the base of the part A. In this manner, by removing the pin E, I can form an extension-ladder, as shown in Figs. 5 and 6.

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

1. Connecting two ladders together in such a manner, by means of a pin or otherwise, that

the two shall form a double self-sustaining ladder capable of being adjusted at various heights by separating more or less the two sections, in combination with the side braces, B, when arranged as and for the purpose described.

2. The side braces, B, constructed in such a manner that they can be adjusted in any direction.

3. The frame G G, stationary table C, and adjustable platform D, when constructed as described and used in combination as and for the purposes set forth.

4. The table attached to the lower portion of the frame G G, and the manner of securing the same to the ladder.

5. The adjustable platform upon the top of the table, constructed and operating as and for the purpose specified.

6. The standard H, crane I, and pulley J, in combination with the basket L, operating as specified.

7. The elevated ladder F F, for the purposes set forth.

8. The windlass M, in combination with the elevated ladder, rope K, and basket L, when arranged and operating substantially as and for the purpose specified.

9. The platform N, when arranged as and for the purpose set forth.

JAMES HANNAN.

Witnesses:

E. F. OLDS,

W. H. HUGHSTON.