

*Pegging Jack,*

*Patented Apr. 28, 1857.*





# UNITED STATES PATENT OFFICE.

BENJAMIN MARSHALL, OF PHILADELPHIA, PENNSYLVANIA.

## LAST-HOLDER.

Specification of Letters Patent No. 17,160, dated April 28, 1857.

*To all whom it may concern:*

Be it known that I, BENJAMIN MARSHALL, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented a certain new and useful Improvement in the Construction of Portable Revolving Last-Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings and letters making part of the specification.

Figure 1 is a perspective view of the whole machine with a last attached. Fig. 2 is a sectional perspective view of the last holder (I, J, K, L.)

The object of my invention is to meet the demands for such an article, at the present day, as will enable mechanics engaged in the manufacture of boots and shoes, to perform their work with greater ease and facility than by any other means now known or used to accomplish the said object.

To enable others skilled in the art to make, construct, and use my invention, I will now proceed to describe its construction and operation in detail.

(A) is the standard which is made of iron or other suitable material having a base (B B) through the center of which the standard (A) plays up and down and can be raised or lowered to any required height so as to accommodate the operator, and held in its position by means of the pin (a) which passes through the holes (b) and rests on the shoulder (m) of the base (B B) and can also be revolved around to any position to suit the operator who uses the machine, and held in its position by means of the set screw (c). The base (B B) has legs or feet through which the screws (c, c) pass into the floor underneath thereby holding the whole machine firmly where the operator chooses to place it. Upon the top of the standard (A) is firmly attached a lap-iron (D) upon which the workman hammers his leather. Directly under the lap-iron (D) on the upper end of the standard (A) is firmly attached the bearing box (E) in the manner fully shown by the model, in which the horizontal shaft (F) plays. The said shaft being a part of the arm (G) and upon which shaft the said arm is revolved, and held in any desired position to suit the operator by means of the set screw (H).

The last holder (I, J, K, L) upon which the

last (M) is placed has a journal (N) as shown in (Fig. 2) which enters the socket (O) on the curved end of the arm (G) and is held in its place by means of a short set screw (d) which enters the groove (e). See (Fig. 2.) The holder (I, J, K, L) is also revolved on the journal (N) in the socket (O) and held in any required position by means of the set screw (P), and the said last-holder if it be necessary can also be oscillated at (J) by loosening the set screw (Q). On the outer end of the shaft (F) is attached a crank or eccentric (R) and to which is attached at the wrist (l) and the outer end of the set screw (f) an elastic band (s) or a spring or its equivalent. The said set screw (f) enters the ring (g) around the standard (A), the said ring being moved up or down on the standard (A) so as to obtain the required tension to the elastic band (s) and held in its position by means of the set screw (f). The said elastic band serves as a counter-balance to the arm (G) as it revolves.

(T) is a rest firmly attached to the standard (A), and against which rest the arm (G) has a firm bearing when the operator is pegging or doing any other work that requires the arm (G) to have a firm bearing. The toe rest (l), upon which the toe of the last (M) rests, by the means employed by me can be raised and lowered and also moved backward and forward so as to accommodate a long or short last.

(U) is a hollow inclined plane into which one end of the screw (V) is fastened by means of the fulcrum pin (h). Said screw also passes up through the nut (W) into the toe-rest (L), the same being hollow for that purpose; the nut (W) having a constant bearing upon some part of the inclined plane (U) and the lower end of the toe-rest (L); also having a constant bearing upon the said nut (W) consequently as the nut (W) is turned down on the screw (V) the toe-rest (L) follows it and is also brought forward to accommodate a short last as indicated by the dotted lines (i j) as shown in Fig. 2. Also when the nut (W) is turned upward on the screw (V) the toe-rest must necessarily rise and move back to accommodate a long last. The bolt (K) in the last holder (I, J, K, L), see Fig. 2, passes into the heel or comb of the last (M) and by bringing the toe-rest (L) forward



under the toe of the last which slightly raises it and thereby the last is made to bind on the bolt (*k*) by which means it is held firm in its place.

5 Having thus fully described my invention and its operation, I claim nothing in the idea of a revolving arm and shaft or a holder combined with it and the last attached. But

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

1. The screw (*V*) and nut (*W*) in combination with the inclined plane (*U*) for the purpose of raising and lowering the toe  
15 rest (*L*) and moving it back and forth, all

arranged in the manner substantially as above set forth.

2. I claim the combined arrangement of the crank or eccentric (*R*) with the revolving shaft (*F*) and the attachment of the  
20 elastic band (*s*) or its equivalent at the wrist (*l*) and at the set screw (*f*) substantially as described.

In testimony whereof I hereunto set my  
hand this 26th day of March, A. D., 1857. 25

BENJAMIN MARSHALL.

Witnesses:

JOS. W. NEWCOMB,

W. C. CHOATE.