

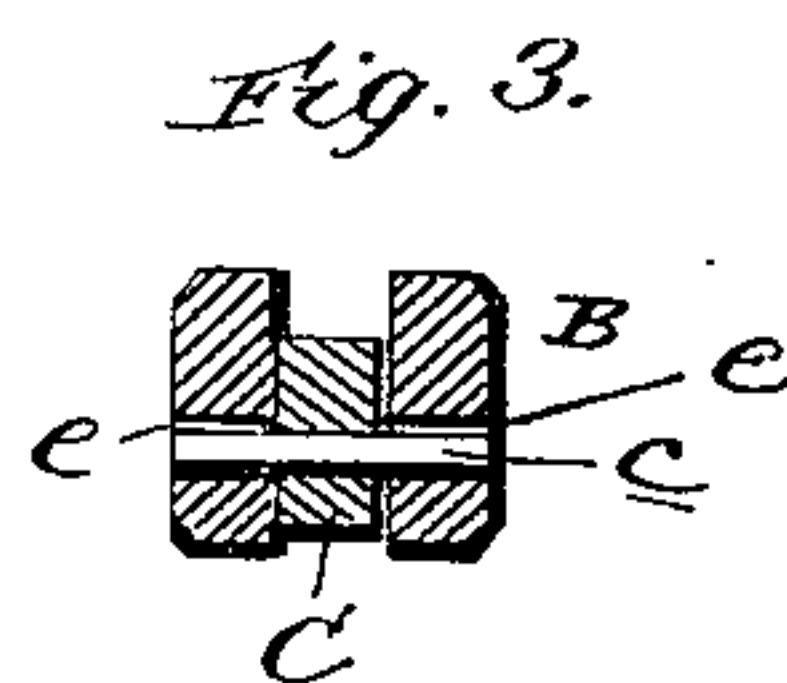
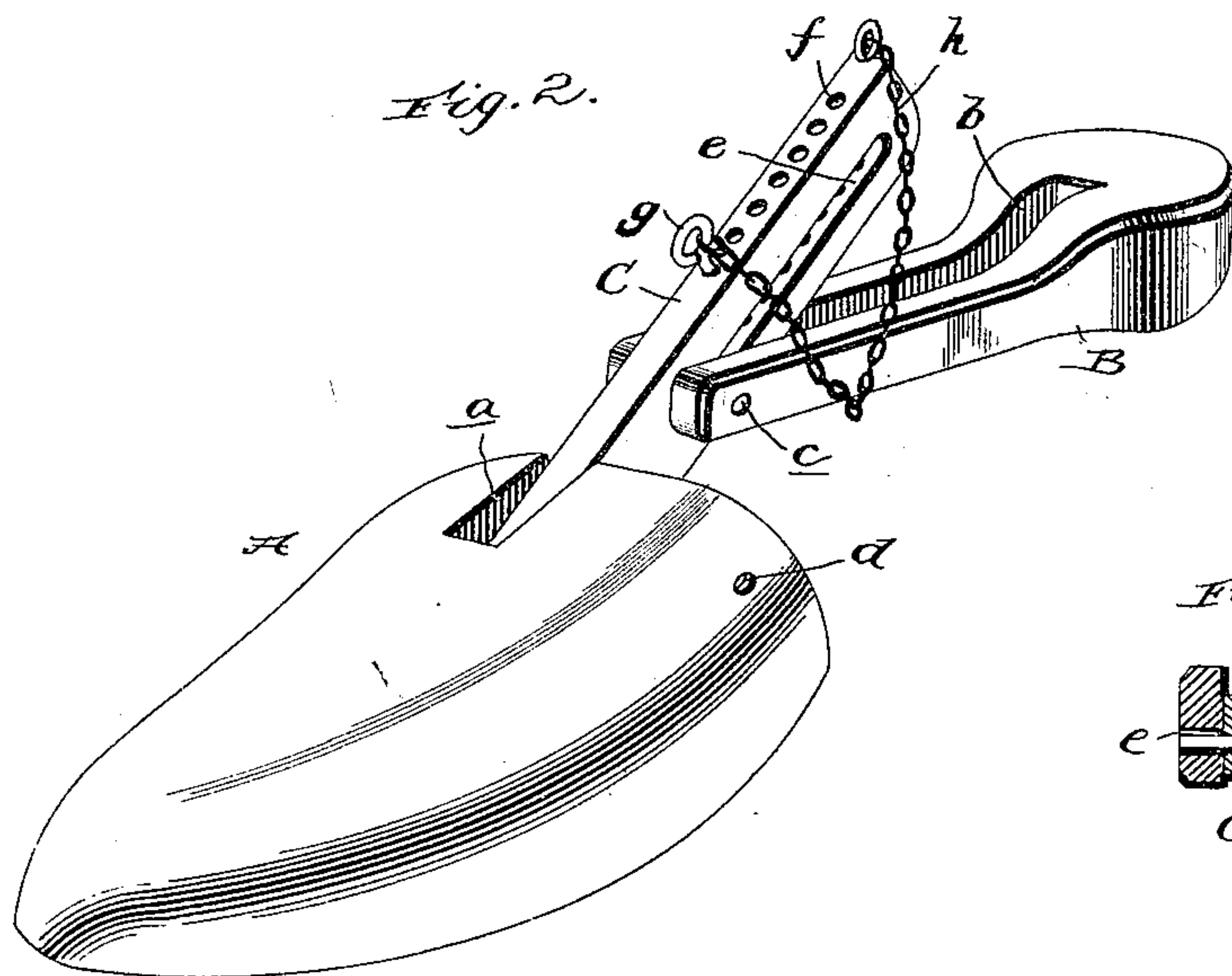
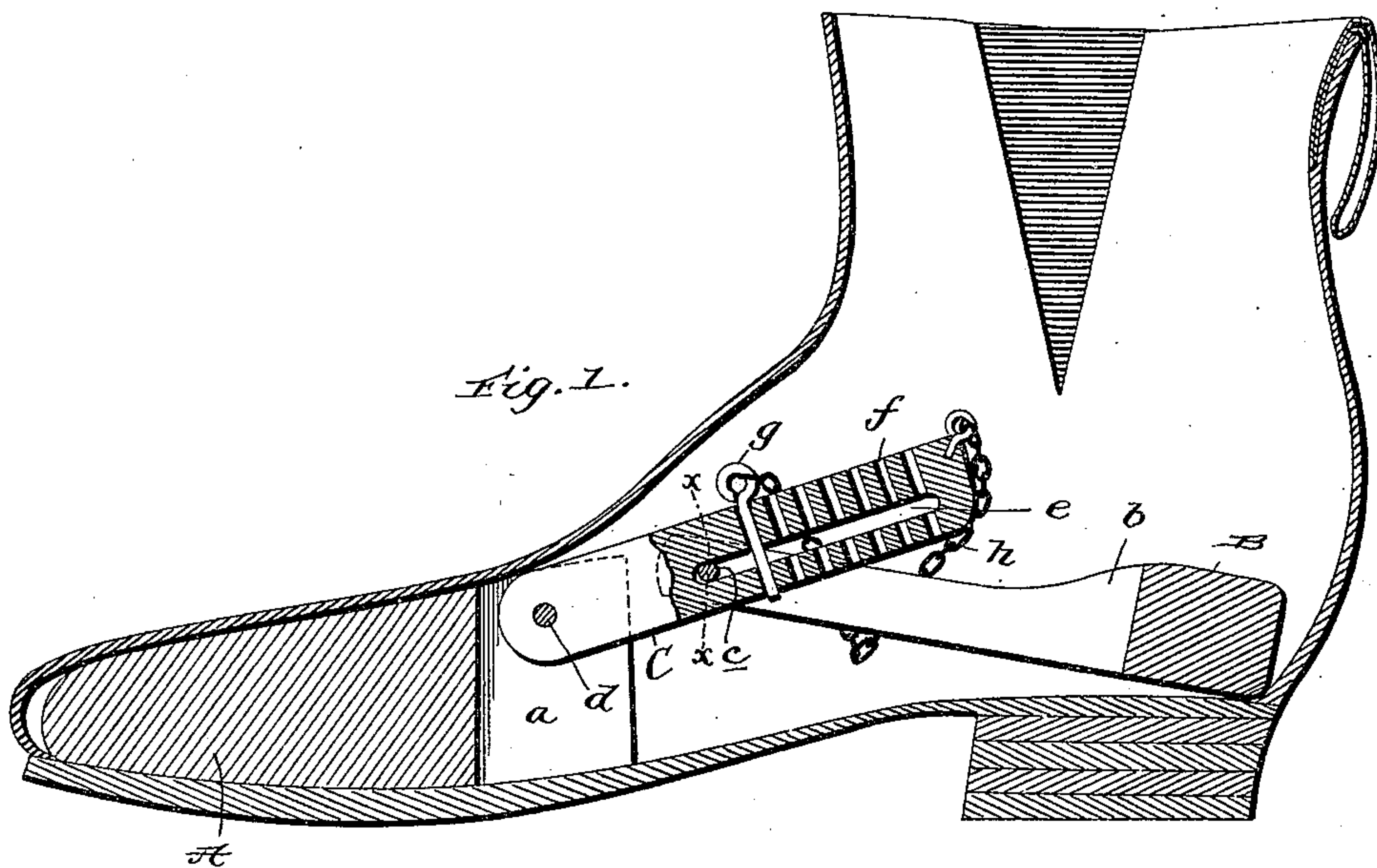
No. 621,423.

Patented Mar. 21, 1899.

L. H. LEADAM.  
TREE FOR BOOTS OR SHOES.

(Application filed Apr. 7, 1898.)

(No Model.)



witnesses:  
*C. Gaeder*  
*J. M. Honey*

Inventor  
*Lionel H. Leadam*  
BY *James J. Sheehy*  
Attorney



# UNITED STATES PATENT OFFICE.

LIONEL H. LEADAM, OF NEW YORK, N. Y.

## TREE FOR BOOTS OR SHOES.

SPECIFICATION forming part of Letters Patent No. 621,423, dated March 21, 1899.

Application filed April 7, 1898. Serial No. 676,759. (No model.)

*To all whom it may concern:*

Be it known that I, LIONEL H. LEADAM, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Trees for Boots or Shoes, of which the following is a specification.

My invention relates to trees for boots and shoes; and it consists in the peculiar and advantageous construction hereinafter described, and particularly pointed out in the claims appended.

In the accompanying drawings, Figure 1 is a section illustrating the manner in which my improved tree is placed in a shoe. Fig. 2 is a perspective view of the tree. Fig. 3 is a detail transverse section taken in the plane indicated by the line *x x* of Fig. 1.

In the said drawings similar letters designate corresponding parts in all of the several views, referring to which—

A designates the toe or front member of my improved tree, which is of a form to give proper shape to the vamp of a shoe and is provided in its rear end with a kerf *a*.

B designates the heel or rear member, which has its forward portion bifurcated, as indicated by *b*, and also has a transverse pin *c* bridging the bifurcation at a point adjacent to the forward end thereof, and C designates a bar or intermediate member, which is arranged intermediate of the toe and heel members and has for its purpose to connect said members and also to thrust the same in opposite directions, so as to properly stretch, flatten, and straighten the sole and shape the upper of a shoe and fix the tree in the same.

The said bar C has its rear end arranged in the bifurcation of the heel member and its forward end arranged in the kerf *a* of the toe member A and pivotally connected thereto by a transverse pin *d*, let into one side of the member, as best shown in Fig. 2. It also has a longitudinal transversely-disposed slot *e*, which receives the pin *c* of heel member B, and a plurality of apertures *f*, which intersect the slot *e* and are arranged about the proportional distance illustrated apart. These apertures *f* are designed to receive a pin *g*, which, for the sake of lessening the liability

of it being misplaced or lost, is loosely connected with the bar C by a chain *h* after the manner shown.

In using my improved tree the heel member B and bar C are held in alinement and used as a handle for the convenient introduction of the member A to the forward portion of a shoe. The member B is then swung down into the position shown in Fig. 1, after which the bar C is used as a lever and its rear end is depressed until the pin *c* rests in a dead-center, with the pin *d* and the point at which the member B bears against the shoe. When this is done, the members A B will be thrust in opposite directions in the shoe and when let remain therein will remove all wrinkles and straighten the sole and keep the shoe in perfect shape. When it is desired to remove the tree, it is simply necessary to grasp the rear end of chain *h* and raise the member B, when the tree may be readily withdrawn.

In Figs. 1 and 2 of the drawings the pin *c* of member B is shown as arranged to bear against the forward wall of the slot *e* on member C to adapt the tree for use in the smallest size of shoe. When it is desired to increase the length of the tree, and thereby adapt it for use in shoes of larger size, it is simply necessary to place the pin *g* of the bar C in one of the apertures *f* at a suitable distance from the rear end of the bar and arrange the pin *c* of member B in rear of said pin *g*. With the parts thus arranged the operation will be the same as before described, except that the pin *c* will have its bearing against the pin *g* instead of against the forward wall of slot *e*.

It will be appreciated from the foregoing that the tree is adapted to be quickly and easily placed in and removed from a shoe and is adapted to perform the functions ascribed to it in an efficient manner. It will also be appreciated that the construction is very simple and admits of the members A B and the bar C being formed of wood, preferably of hard wood. From this it follows that the device as a whole may be produced very cheaply.

Having described my invention, what I claim is—

1. The herein-described tree for boots and shoes comprising the toe or forward member, a



heel or rear member bifurcated at its forward end and having a pin extending across the bifurcation, and a bar pivotally connected with the toe member and adapted to rest in the bifurcation of the heel member and having a longitudinal slot receiving the pin of the heel member and also having a device adjustable in the direction of its length for engaging the pin of the heel member, substantially as specified.

2. The herein-described tree for boots and shoes comprising the toe or forward member, a heel or rear member, bifurcated at its forward end and having the pin *c* extending across the bifurcation, a bar pivotally connected to the toe member and adapted to rest in the bifurcation of the heel member and having a longitudinal slot, receiving the pin of the heel member, and a plurality of apertures intersecting said slot, and a pin adapted to be arranged in said apertures to form a bearing

for the pin *c* of the heel member, substantially as specified.

3. In a tree for boots and shoes, a heel or rear member, and an intermediate member; one of said members being bifurcated to receive the other and provided with a transverse pin bridging the bifurcation, and the other having a longitudinal slot receiving the transverse pin and also having apertures intersecting the slot, and a pin adapted to be arranged in said apertures; in combination with a toe member pivotally connected to the intermediate member, substantially as specified.

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

LIONEL H. LEADAM.

Witnesses:

EDWIN A. OVERTON,  
JOSEPH P. LOVETT.