

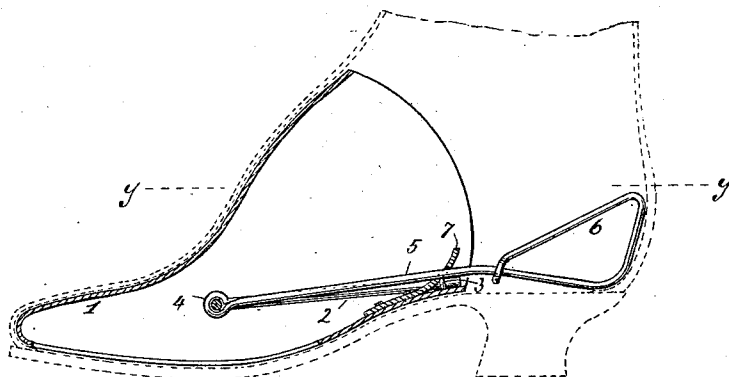
(No Model.)

N. BOCK.  
SHOE FORM OR TREE.

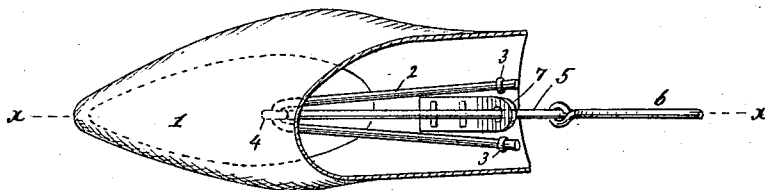
No. 539,722.

Patented May 21, 1895.

*Fig. 1.*



*Fig. 2.*



WITNESSES:

*E. Wolff.*  
*Chas. E. Doeringer.*

INVENTOR:

*Nathan Bock.*

BY

*Hauff & Hauff*  
ATTORNEYS.

# UNITED STATES PATENT OFFICE.

NATHAN BOCK, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF TO JOHN K. KRIEG & CO., OF SAME PLACE.

## SHOE FORM OR TREE.

SPECIFICATION forming part of Letters Patent No. 539,722, dated May 21, 1895.

Application filed January 29, 1895. Serial No. 536,554. (No model.)

*To all whom it may concern:*

Be it known that I, NATHAN BOCK, a citizen of the United States, residing at New York, in the county and State of New York, have  
5 invented new and useful Improvements in Shoe Forms or Trees, of which the following is a specification.

The object of this invention is to provide a form or tree which besides being effective is  
10 readily inserted into or withdrawn from a shoe or boot, and the invention resides in the novel features of construction set forth in the following specification and claims and illustrated in the annexed drawings, in which—

15 Figure 1 is a side elevation of the form sectioned along *x x*, Fig. 2; and Fig. 2 is a section along *y y*, Fig. 1.

The form 1 is adapted to fit the toe part of a shoe or boot and can be applied not only to  
20 an article to be displayed as in a show window, but is also serviceable for a shoe or boot in actual use, as such shoe or boot when taken off can be provided with a form 1 for removing or preventing the wrinkling or loss of  
25 shape caused by wearing or use.

The form 1 by being made of suitable material such as suitably stiff leather, pulp, aluminium or the like can be made not only of  
30 proper strength, but also hollow so as to be light and cheap.

The form 1 is shown provided with a spring 2 readily formed of a rubber or elastic band secured at 3 to the form. The spring 2 is an  
35 element independent of or separate from the lengthwise movable slide or stem 5, and is engaged with an eye 4, formed on one end of the slide or stem, the opposite end of the latter having a brace-handle 6. The slide or  
40 stem 5 may be of rigid material, because the spring 2 is a separate element and operates to move the slide lengthwise.

When the form 1 is inserted into the toe part and the stem 5 is then pressed or slid forward until the handle 6 rests or braces against  
45 the heel part of the shoe or boot, the resulting tension of spring 2 will keep the form 1 pressed into position for effective work.

To withdraw the form the handle 6 is grasped and drawn out of place, when the  
50 form will follow. To prevent the strain of

withdrawal coming on the spring or elastic 2, the form has a guide or eye formed by a suitably stiff or strong strip or piece 7 of leather or equivalent material firmly clinched or fastened to the form. When the handle 6 and  
55 stem 5 are withdrawn, the eye or shoulder 4 of stem 5 abutting against the guide 7 will effect a withdrawal of the form without any strain being brought upon the spring by such withdrawal, so that the withdrawal will not  
60 result in injury or dislocation of the spring. As the spring is housed in the hollow form it is protected against chafing or improper contact.

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

1. A shoe form or tree constructed to enter the toe part of a shoe and provided with a movable slide adapted to bear against the heel portion of a shoe and a spring independent  
70 of or separate from the slide but connected therewith for moving the slide lengthwise, whereby the form or tree is forced into the toe part of the shoe and one end of the slide against the heel portion of a shoe, substantially  
75 as described.

2. The combination with a shoe form or tree, constructed to enter the toe-part of a shoe, of a spring secured to the form or tree, and a lengthwise-movable slide connected with said  
80 spring, bearing against the heel portion of the shoe and slid lengthwise by the resiliency of the spring to force the form or tree into the toe part of the shoe, substantially as described.

3. The combination with a shoe form or tree,  
85 constructed to enter the toe part of a shoe, of a spring secured to the form or tree, a fixed guide projecting from the form or tree, and a lengthwise-movable slide connected with the spring and moving through said fixed guide  
90 to bear against the heel portion of the shoe, and thereby force the form or tree into the toe part of the shoe, substantially as described.

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

NATHAN BOCK.

Witnesses:

WM. C. HAUFF,  
E. F. KASTENHUBER.