

(No Model.)

W. W. IVES.

DISPLAY FRAME.

No. 394,927.

Patented Dec. 18, 1888.

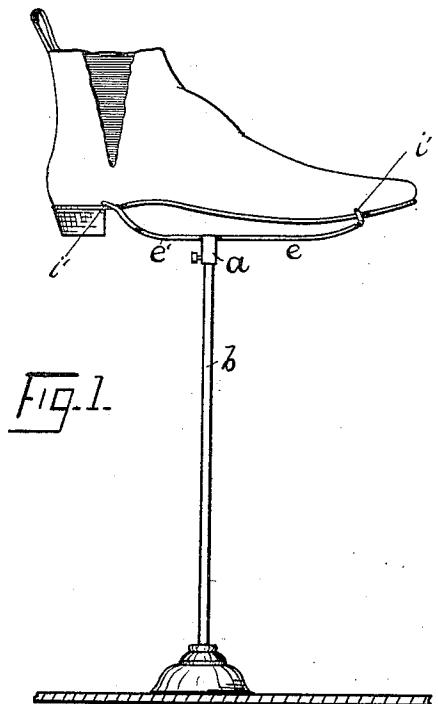
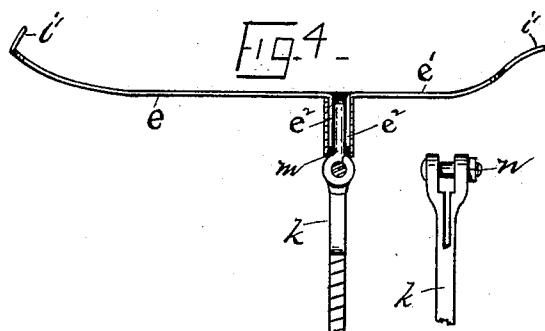
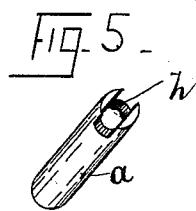
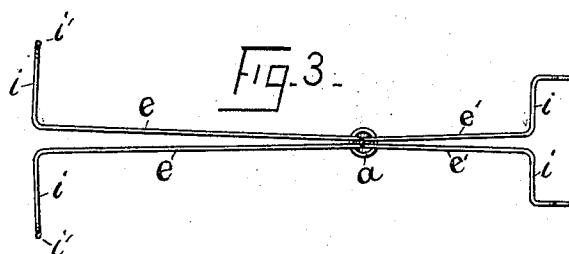
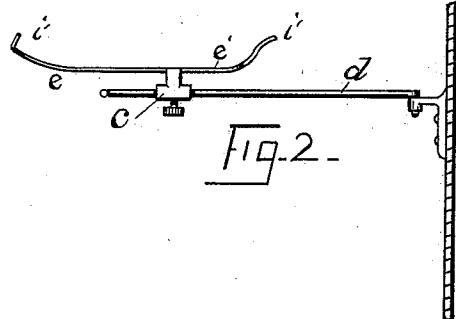


Fig. 1.



Witnesses.

Allen Terry.

John M. Newton

Inventor.

William W. Ives.  
By his Attorney  
Frank H. Allen

# UNITED STATES PATENT OFFICE.

WILLIAM W. IVES, OF NORWICH, CONNECTICUT, ASSIGNOR OF ONE-HALF TO  
GEORGE F. BARD, OF SAME PLACE.

## DISPLAY-FRAME.

SPECIFICATION forming part of Letters Patent No. 394,927, dated December 18, 1888.

Application filed February 27, 1888. Serial No. 265,769. (No model.)

*To all whom it may concern.*

Be it known that I, WILLIAM W. IVES, a citizen of the United States, residing at Norwich, in the county of New London and State 5 of Connecticut, have invented certain new and useful Improvements in Display-Frames, which improvements are fully set forth and described in the following specification, reference being had to the accompanying sheet of 10 drawings, in which—

Figure 1 is a side elevation of my improved device attached to a single-stand portable display-frame, and Fig. 2 shows the same attached to a bracket-frame. Fig. 3 is an enlarged top view of the shoe-supporting arms. Fig. 4 is a longitudinal vertical section of said shoe-support through its center, and Fig. 5 shows detached the ferrule *a* in perspective.

My improvements are in the class of display-frames used especially to exhibit foot-gear—such as shoes, boots, slippers, and the like goods—and has for its object to produce a shoe-rest which will be extremely simple in construction and cheap to produce. I further 20 desire to produce a shoe-support that will clasp a shoe firmly enough to hold it if tipped out of its normal horizontal position, and that has so few arms or parts that no portion of the shoe is hidden from view. These desirable 25 features are believed to be combined in my present invention.

Referring to the drawings, the letter *a* indicates a ferrule, whose lower end may be bored to fit and rest on a standard, *b*, as in Fig. 1, or may be formed with a bored T-head, *c*, as in Fig. 2, to rest adjustably on a bracket-arm, *d*. Those portions of my shoe-support that clasp the shoe-sole are indicated by letters *e* *e'*, and are formed of sections of spring-wire 30 having their inner ends bent at an angle to enter the ferrule *a*. (See *e*<sup>2</sup>, Fig. 4.) Ferrule *a* is provided with a central opening large enough to receive the said bent ends of the four spring-sections *e* *e'*. After crowding said 35 ends down into said ferrule I secure them by a drop of solder, which fills the spaces between the wires and makes the device thus assembled practically a solid one. To prevent the

accidental displacement of said wires, I mill a transverse slot, *h*, in the upper end of ferrule 50 *a*, of such depth that the wires sink in flush with the ferrule end and cannot be swung off laterally, even if the solder-joint was broken. The spring-wires *e* *e'* project in opposite directions as they leave ferrule *a*, and near their 55 free ends are bent, first outward, as at *i*, and then upward, as at *i'*, the spread of the outwardly-bent portions *i* being somewhat less than the width of sole of the shoe to be supported.

When it is desired to use my described device, the companion arms *e'* are spread apart until the upturned ends *i'* will embrace the counter of the shoe near the heel, and the arms *e* are sprung apart until they will clasp 60 the sole near the ball of the foot. No part of the device comes in contact with the face of the sole to scratch it or hide it from view. In Fig. 4 the support shown is intended to be hinged to a stand, *k*, whose upper end is forked 65 to receive it.

I provide a hinge-leaf in this form of support by using a somewhat larger ferrule, *a*, than is above described and forcing an eye-bolt, *m*, upward in the center of the four ends 70 of the spring-arms. I then fasten the whole together by soldering in the same manner as above described. This hinge-joint, used in connection with a clamping-screw, *n*, allows 75 the spring-arms and the shoe supported therein to be adjusted at various angles to expose the different portions of said shoe.

I claim as new and wish to secure by Letters Patent—

A shoe-exhibiting support consisting of the 80 rod *b* and the ferrule *a*, secured on the upper end thereof, in combination with the two pairs of wires *e* *e'*, which have their inner ends inserted in the upper end of said ferrule and their outer ends diverging and bent upward 85 to hold a shoe, substantially as set forth.

WILLIAM W. IVES.

Witnesses:

FRANK H. ALLEN,  
ALLEN TENNY.