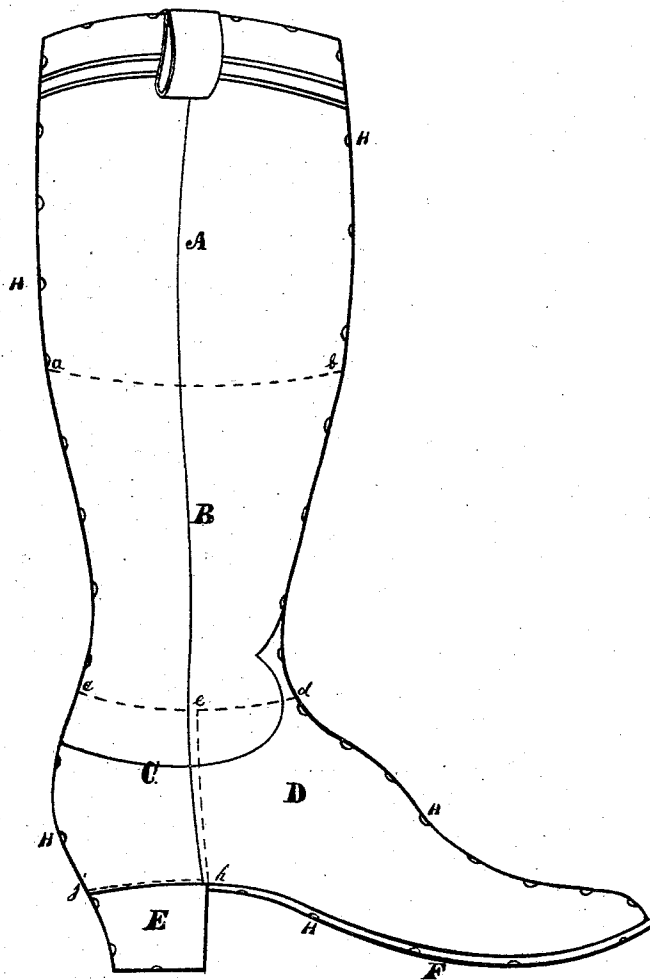


D. D. YOUNG.

Sign.

No. 168,204.

Patented Sept. 28, 1875.



Witnesses;

James A. Stephenson
John H. Krug

Inventor,

David D. Young
Per E. J. Smith
Atty

UNITED STATES PATENT OFFICE.

DAVID D. YOUNG, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN SIGNS.

Specification forming part of Letters Patent No. **168,204**, dated September 23, 1875; application filed June 14, 1875.

To all whom it may concern:

Be it known that I, DAVID D. YOUNG, of Indianapolis, county of Marion, State of Indiana, have invented an Improved Sign, of which the following is a specification:

This invention relates to a new article of manufacture which is called a sign boot or shoe, which is constructed by the old process of swaging or stamping pieces of sheet metal into proper shapes, so that when soldered together they will form a sign boot or shoe, which can be produced much cheaper and in a more expeditious manner, neater, and more uniform, and of more useful kinds, than any other of which I am aware.

In carrying out my invention I use any form of a press, principally a drop-press, with male and female dies, constructed in various ways, according to the size of the sign required, which I will now proceed to describe, reference being had to the accompanying drawings.

In making small signs, which are intended to hang up in some conspicuous place or to be set in show-windows, I swage each side of the boot complete in one piece, forming the leg, ankle, foot, heel, and edge of the sole all at one operation. These two sides are soldered together, and the sole soldered on, making a complete boot.

As the size of the sign boot or shoe increases it becomes necessary to divide the pieces composing the boot or shoe, as will be hereafter described, for the following reasons: Take a boot that is about seven feet high; it would be very inconvenient to have the dies constructed so large, as it would require an immense power to operate them; and, again, it would be very inconvenient to get sheet metal of the required size. In view of these difficulties I have arranged my dies in sections, varying in construction according to the size of the

sign required, as before stated. Some signs can be formed of two sides and the sole, and in others I work that part of the boot or shoe marked C D in one piece, or separate. The heel E may also be in the same piece as C D, or it may be with C, or it may be separate from either, as the size may require. In very large boots the ankle part B and leg A may be made in one or more pieces, as shown. The foot part D always has the outer edge of the sole F swaged on it, so that the bottom can be swaged and soldered thereto. The top of the boot must have a cover when the sign is designed to be exposed to the weather, to prevent water from lodging therein; but if the boot is used in stores as display-signs, then the top is left open.

The sign boot or shoe can have perforations around the outlines, if required, as at H, which may have mica or other transparent substance over the perforations, so that when illuminated at night the shape of the boot is shown in bold relief by the rays of light shining all around its edge. The name of the firm and number of the street can also be cut in stencil and illuminated in the same manner.

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

A sign boot or shoe consisting of two or more pieces of sheet metal, stamped or swaged into shape and soldered together, substantially as and in the manner specified, for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID D. YOUNG.

Witnesses:

JOHN H. KRUG,
S. C. FRINK.