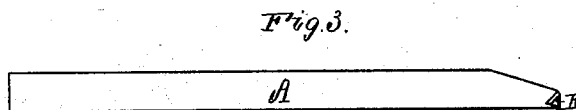
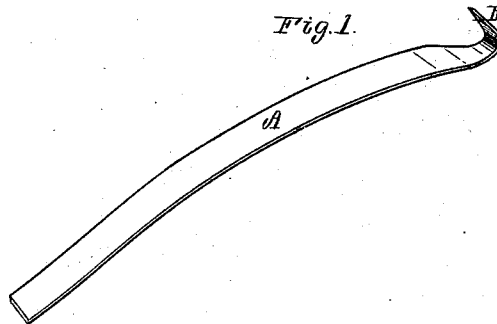


S. P. LITTLEFIELD.

SPRING SHANKS FOR BOOTS AND SHOES.

No. 177,945.

Patented May 30, 1876.



Witnesses.

J. W. Piper

G. H. Miller

Silas P. Littlefield.

by his attorney

R. H. Eddy

UNITED STATES PATENT OFFICE.

SILAS P. LITTLEFIELD, OF LYNN, MASSACHUSETTS.

IMPROVEMENT IN SPRING-SHANKS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. **177,945**, dated May 30, 1876; application filed April 24, 1876.

To all whom it may concern:

Be it known that I, SILAS P. LITTLEFIELD, of Lynn, of the county of Essex and State of Massachusetts, have invented a new and useful Improvement in Shank-Springs for Boots or Shoes; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a perspective view, and Fig. 2 an end view, and Fig. 3 a top view, of one of my improved articles.

In carrying out my invention I provide the elastic shoe-shank, or curved metallic or steel spring A, with a pointed spur, B, to project from one end of it, at or about at a right angle to the spring, all essentially as represented, and the said spur and spring being in one piece,

and the spur having its temper drawn, so as to enable it, when driven through a sole and against a clinching-plate, to be upset or clinched down upon the sole by the same. The spur serves to hold the shank stiffener or spring in place, both lengthwise and widthwise of the sole, and is advantageous in other respects.

I claim—

As an improved article of manufacture, the shoe-shank spring A, provided with the fastening and clinching spur B, in one piece with and extended from the said spring, substantially as set forth.

SILAS P. LITTLEFIELD.

Witnesses:

R. H. EDDY,
J. R. SNOW.