

# UNITED STATES PATENT OFFICE.

JOHN G. DREW, OF LYNN, MASSACHUSETTS.

## BLACKING MIXTURE.

SPECIFICATION forming part of Letters Patent No. 417,910, dated December 24, 1889.

Application filed August 29, 1888. Serial No. 284,066. (Specimens.)

*To all whom it may concern:*

Be it known that I, JOHN G. DREW, of Lynn, county of Essex, and Commonwealth of Massachusetts, have invented a certain Improved  
5 Blacking Mixture, for use on shanks and heels and bottoms of boots and shoes; and I have fully and accurately described the same in the following specification.

This mixture is designed for use on the surface of shoe shanks, heels, and bottoms as a substitute for the burnished finish now commonly imparted to said surfaces. To this end I take of water one gallon and dissolve therein six  
10 ounces of borax and two and one-half pounds of gum-shellac. To this I add a proper and effective quantity—generally about one tea-spoonful—of oil of sassafras, which removes the bubble left by the union of the shellac and borax with the water and gives a bright finish to the  
15 mixture as applied. I blacken this mixture by adding thereto two ounces of a refined quality of aniline-black, known to the trade as "Nigrosine." It may be reddened by adding a  
20 little aqua-ammonia of the usual strength to set the color.

The mixture is applied, by means of a brush or other suitable spreading device, to the surface of the leather composing the boot or shoe shank, heel, and bottom. It is allowed to dry  
30 thereon and presents a finish very much like the usual burnished surface.

The above-stated quantities of materials employed are substantially what give the best results, though slight variations thereof might  
35 be permitted.

I am aware that it has been heretofore suggested to use gum-shellac, borax, and logwood in connection with other ingredients as a composition, and I do not broadly claim a com-  
40 position including these ingredients.

I claim—

The mixture herein described, composed of gum-shellac, borax, water, oil of sassafras, ammonia, and coloring-matter, in the proportions  
45 substantially as named.

JOHN G. DREW.

Witnesses:

GEO. H. WILLIAMS,  
C. B. TUTTLE.