

Story & Hoyer,
Shoe Sole.

N^o 5233.

Patented Aug. 7, 1847.

Fig. 1.

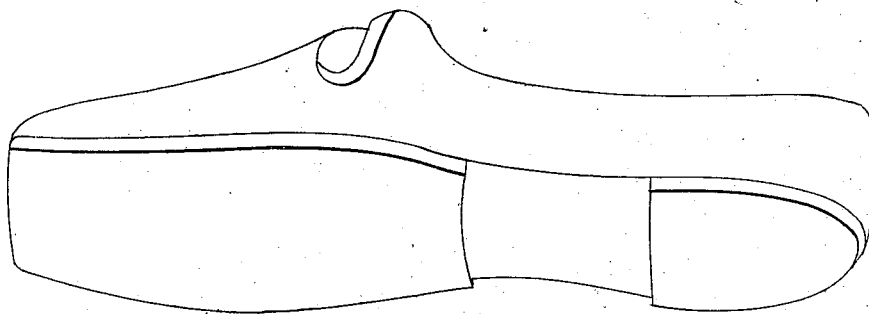
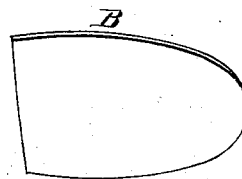
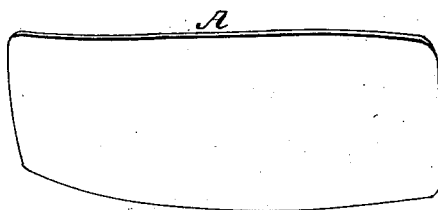


Fig. 2.



Fig. 3.



UNITED STATES PATENT OFFICE.

ROBERT STORY AND THOMAS HOPPER, OF NEW BRUNSWICK, NEW JERSEY.

INDIA-RUBBER SHOE.

Specification of Letters Patent No. 5,233, dated August 7, 1847.

To all whom it may concern:

Be it known that we, ROBERT STORY and THOMAS HOPPER, of New Brunswick, in the county of Somerset and State of New Jersey, have invented a new and Improved Mode for Attaching Leather Soles to Metallic-Rubber Shoes; and we do hereby declare that the following is a full and exact description.

10 The nature of our invention consists in preparing the shoes.

15 Metallic rubber gum is manufactured from a compound of india rubber, sulfur, litharge, and camphene. The metallic gum for the manufacture of shoes is cut and fitted on lasts of various sizes. The bottoms receive a sole and heel of cloth as represented in Figure 3, letters, A and B, prepared with the metallic gum on the inside for the purpose of adhering to the shoe in the process of curing in the heated chamber. And when the shoe is cured the fitted parts become perfect and forming a shoe ready for the adaptation of the leather sole as represented in 25 Fig. 2.

In preparing the shoes for attaching leather soles, the shoe as shown in Fig. 2, the bottom receives a coating of cement made

of india rubber and lampblack dissolved in camphene, the leather also receives a coating of the same cement, the leather sole and heel is then applied to the bottom of the shoe, and by compressing the bottom on a flat surface and drawing the shoe several times across the flat surface until the leather sole and heel is compressed, they will adhere to each other as firmly as the substance or cloth will admit.

The shoe complete with the leather sole attached is represented on the drawing 40 Fig. 1.

What we claim as our invention and desire to secure by Letters Patent is—

The attaching leather soles to metallic rubber shoes by means of a sole and heel of cloth prepared with metallic gum on the inside for the purpose of adhering to the shoe in the process of curing in the heated chamber, and when cured they are ready for attaching the leather sole and heel as named 50 in the specification.

ROBERT STORY.
THOMAS HOPPER.

Witnesses:

CHAS. ATKINSON,
SAMUEL B. MARSH.