

(No Model.)

C. E. BAILEY & W. R. TALBOT.

MANUFACTURE OF SHOE BUTTONS.

No. 273,932.

Patented Mar. 13, 1883.

*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



WITNESSES

*C. Fred. Keller*  
*Edwin J. McLain*

INVENTORS,

*Charles E. Bailey & W. R. Talbot.*  
By *Parker H. Sweet, Jr.*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

CHARLES E. BAILEY AND WILLIAM R. TALBOT, OF PROVIDENCE, R. I.

## MANUFACTURE OF SHOE-BUTTONS.

SPECIFICATION forming part of Letters Patent No. 273,932, dated March 13, 1883.

Application filed September 4, 1882. (No model.)

*To all whom it may concern:*

Be it known that we, CHARLES E. BAILEY and WILLIAM R. TALBOT, citizens of the United States, residing at Providence, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in the Manufacture of Shoe-Buttons; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Our invention has for its object to provide a shoe-button of a novel and simplified construction, whereby the button head and shank are capable of withstanding heavy strain without liability of breakage; and our improvements consist, essentially, of an improved method of forming said buttons, the head portion of which is composed of sole-leather, scrap-leather, or other suitable material, compressed under heavy pressure to the desired shape, and the shank portion embedded in said head in such a manner as to extend entirely through the same and to be smoothly clinched back into the upper surface thereof, the whole being suitably colored or japanned to form the completed article, all as will be hereinafter more fully described, and specifically designated in the claim.

In the accompanying drawings, Figure 1 represents a perspective view of our complete button; Fig. 2, a perspective view of the shank of the button with the points bent in a plane parallel to each other, and Fig. 3 a transverse section through the center of the button and shank.

Similar letters of reference indicate like parts in the several figures.

In carrying out our invention, the button-head A is formed of sole-leather, scrap-leather, or other material possessing the necessary requisites of strength and durability, through the body of which extends the fastening-prongs of the metallic eye or shank B, which is in the form of a staple. In constructing the complete device the prongs of the said staple-shaped shank B are pressed up into and through

the material which is to form the button-head, and the two parts thus connected subjected to heavy pressure between dies of novel construction, which deflect the points or prongs *a* of the staple-shaped shank B back into the top surface of the said button-head in such manner that the bent portions of the said prongs lie in a plane parallel to each other, but projecting in opposite directions, and at the same time compress the button-head into the desired shape in the most compact and solid manner, firmly securing the shank and button-head together.

The material composing the button-head may first be stained or japanned in suitable colors previous to its being compressed into shape, or such staining, coloring, or japanning may be applied afterward, as may be deemed most desirable or advantageous. The heavy pressure of the dies used in forming the device imparts a smooth and finished surface to the entire button-head.

By means of our improvements the button thus constructed is capable of withstanding great strain without liability of breakage or of the shank pulling apart from the button-head.

The advantages of our invention will be readily seen without a more minute description, inasmuch as it combines both in its construction and operation a high degree of simplicity and utility with cheapness and durability.

Having thus described our invention, what we claim as new and useful is—

The herein-described method of constructing buttons, consisting in forcing the prongs of the shank B up through the material which is to compose the button-head, and then forming said head and clinching the prongs of the shank into the top surface thereof at one and the same operation, substantially as and for the purpose specified.

In testimony whereof we affix our signatures in presence of two witnesses.

CHARLES E. BAILEY.  
WILLIAM R. TALBOT.

Witnesses:

W. M. BAILEY, Jr.,  
EDWARD H. HARRISON.