

J. F. Russell.

Button Shank Gauge.

N^o 102,436.

Patented Apr. 26, 1870.

Fig. 1.

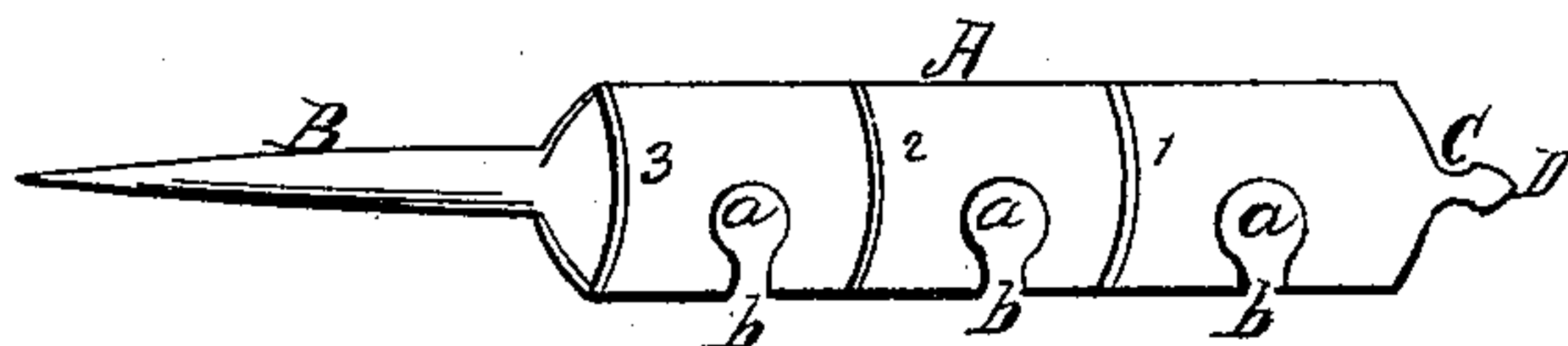


Fig. 2.

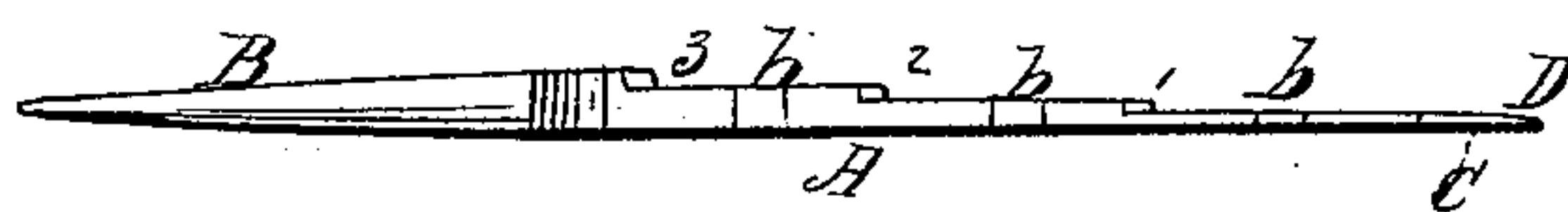
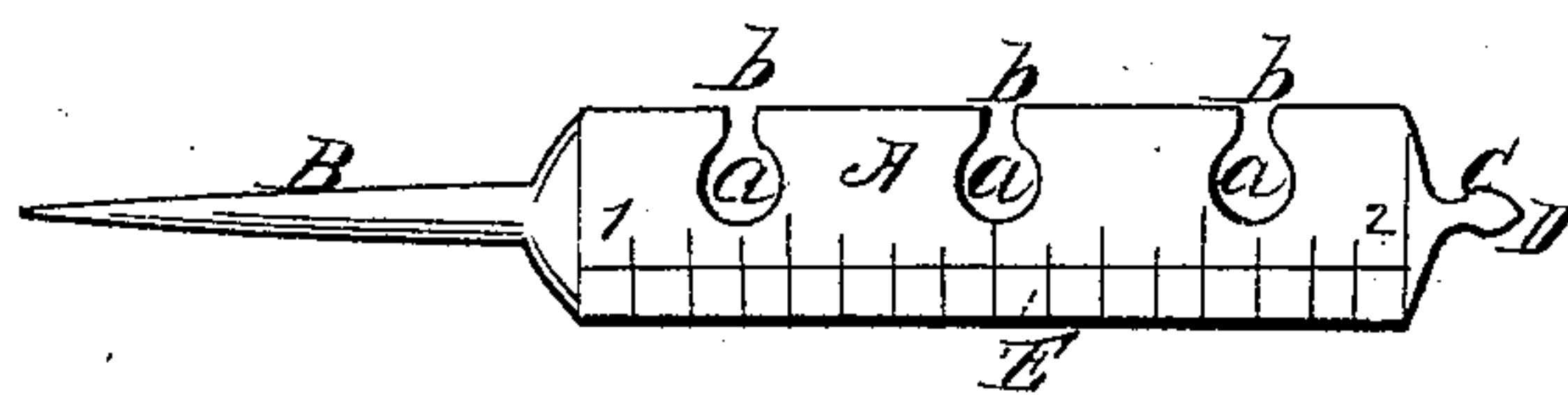


Fig. 3.



Witnesses

William F. Russell
John Clay

Inventor

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United States Patent Office.

JAMES F. RUSSELL, OF WASHINGTON, DISTRICT OF COLUMBIA.

Letters Patent No. 102,436, dated April 26, 1870.

IMPROVEMENT IN BUTTON-SHANK GAUGE.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that I, JAMES F. RUSSELL, of Washington City, in the District of Columbia, have invented certain new and useful Improvements in Button-Shank Gauge; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings making a part of this application.

My invention has for its object to provide an instrument by the use of which the shank of buttons produced by sewing them to garments (or material) may be regulated in length and made stronger than when made without the use of my shank-gauge, the combination therewith of other features rendering it a convenient and useful adjunct to a lady's work-basket; and

My invention consists in making a graduated or stepped shank-gauge of ivory, hard rubber, steel, or any other suitable material, provided with suitable slots, within which the button-shank is formed, and with a thread-cutter, nail cleaner, nail file, and inch measure, as will be hereinafter more fully set forth.

It is well known, particularly by ladies, that in sewing buttons to garments the length of the shank has to be regulated by the eye and experience, and that, especially where the shank is long, the stitches or threads composing the shank are of greater or less length, and, as a result, the shank is not strong, the strain being always greatest, or, in fact, entirely upon the shortest thread or strand of the shank, until it is broken, when it falls upon the next shortest, resulting eventually in the entire rupture of the shank. All these disadvantages are overcome, and great benefits derived by the use of my improved gauge.

To enable those skilled in the art to make and understand the use of my button-shank gauge, I will proceed to describe the same, referring by letters to the accompanying drawings, in which—

Figure 1 is a top or plan view;

Figure 2, an edge view; and

Figure 3, a rear view, or the reverse of fig. 1.

Similar letters of reference denote like parts in the different figures.

A represents the blade, graduated or stepped, as seen at 1 2 3. On the tread of each step is cut a slot, *a*, of about the shape seen, with a neck, *b*.

One extremity of the blade terminates in a punch or bodkin, B, and the other in a thread-cutter, C, and nail cleaner, D.

On the back or straight side of the blade, and at or near the edge opposite to the slots A, is cut or secured a file, E, for filing the nails.

When the instrument is made of a vegetable substance, the thread-cutter and nail file of course have to be made separate and secured thereto.

To form a shank, the gauge is placed upon the garment or material with one of the slots A (according to the length of the shank desired) directly over the point at which the button is to be secured. The button is then held against the top of the blade, immediately over the slot, and the threaded needle passed through the eyes of the button as usual, the thread being drawn tight. When the operation is finished and thread severed, the gauge is drawn from between the button and material, and the shank passed from the slot *a* through its neck *b*.

Of course my improved shank-gauge may be varied in many respects, without departing from the spirit of the invention.

The inch measure has not been particularly explained, as a reference to the drawing will fully illustrate the idea.

Having described the construction and uses of my improved button-shank gauge,

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

1. A graduated or stepped gauge, provided with slots within which the shank is formed, and a neck for the withdrawal of the gauge from the shank, constructed and arranged substantially as described, for the purpose set forth.

2. In combination with the button-shank gauge, the bodkin, thread-cutter, nail file, nail cleaner, and inch measure, all, or any one or more, substantially as and for the purposes set forth.

In testimony whereof I have hereunto set my hand this 20th day of November, A. D. 1869.

JAS. F. RUSSELL.

Witnesses:

WM. C. MCINTIRE,

WM. B. CLINE.