

CLARK. M. PLATT.

Improvement in Buttons.

No. 121,000.

Patented Nov. 14, 1871.

Fig 1

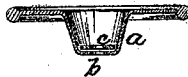


Fig 2



Fig 3



Fig 4



Fig 5



Fig 6



Fig 7

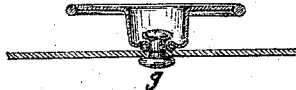
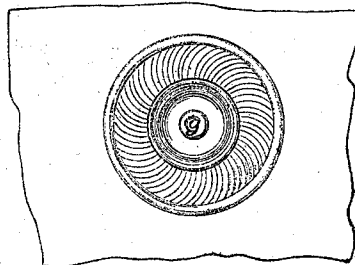


Fig 8



Witnesses:

Chas. Nida
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Inventor:

Clark. M. Platt
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Atty

UNITED STATES PATENT OFFICE.

CLARK M. PLATT, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. 121,000, dated November 14, 1871.

To all whom it may concern:

Be it known that I, CLARK M. PLATT, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Buttons; and that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The object of this invention is in the nature of an improvement in that class of metallic buttons which are secured to the garment by means of an eyelet or rivet. The invention consists in reinforcing or strengthening the edges of the orifice in the neck or hub of the button, in the manner hereinafter set forth.

The class of buttons to which my invention relates are pressed from a single piece of metal, and have a hollow shank or hub where the attachment is made, and where the strain is greatest. This shank or hub is thinner and weaker than the rest of the button, and it is necessary to strengthen it; and this I do by using a washer at the bottom of the hub, or by turning the edges of the opening back upon themselves.

In the accompanying drawing, Figure 1 represents a cross-section of a button made from a single piece of metal, with the neck or hub *a* drawn down to the proper depth and size, through which is a hole or opening, *b*, for the purpose of admitting the rivet by which the button is secured to the garment. Fitted into the neck or hub *a* is a small washer, *c*, through which the rivet before referred to passes, and against which the end of the rivet is upset. The object of this washer, as will be readily understood, is to give additional strength to that part of the button subjected to the greatest strain—*i. e.*, the lower part of the neck or hub. Fig. 2 represents a plan view of the washer before referred to.

Instead of affixing the washer in the manner

and for the purpose just mentioned, the edges of the orifice in the lower part of the neck or hub through which the rivet passes may be strengthened in the following manner—that is to say: After the hub *a* is drawn down to the proper depth and size (see Fig. 3) it is perforated with a hole, *d*, through the center, (see Fig. 4.) The edges of the perforation are then drawn down to a small neck, *e*, (see Fig. 5,) and the small neck thus formed is folded and flattened back against the bottom of the neck or hub, (see Fig. 6,) in this way forming a double thickness, *f*, of metal around the opening or orifice, re-enforcing it or giving it additional strength. The rivet *g* is then passed through the garment and through the strengthened opening, and the end upset, as shown in Fig. 7. Fig. 8 is a plan view of a button eyeleted or riveted in the manner just described.

It is obvious that the neck *e* may be forced up into the hub instead of being drawn down, and in that case the edges thereof be folded and flattened back on the inside instead of the outside of the hub.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. As a new article of manufacture, a button of the class mentioned, having the edges of the hole through which the rivet or eyelet passes strengthened by means of a washer fitting into the hub, as shown and described.

2. As a new article of manufacture, a button of the class mentioned, having the edges of the hole through which the rivet or eyelet passes strengthened by rolling back said edges, in the manner shown and described.

CLARK M. PLATT.

Witnesses:

FRANKLIN E. PORTER,
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(23)