C. M. PLATT.

BUTTONS.

No. 181,717. Patented Aug. 29, 1876.

Fig: 1.

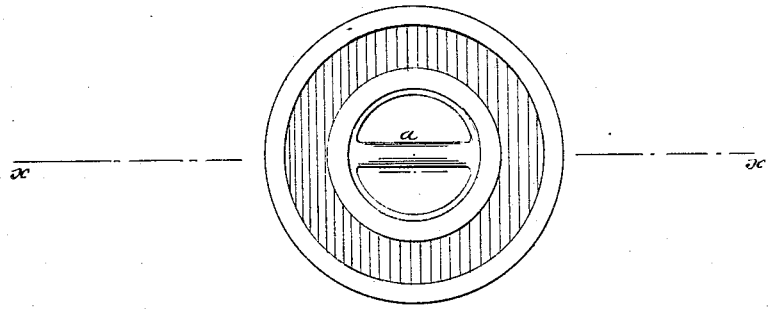

Fig: 2.

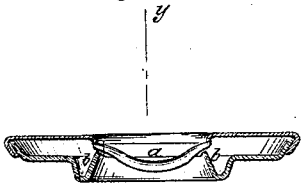

Fig: 3.

Witnesses:

W. Lovell

H. C. Mattinberg

Inventor:

Clark M. Platt

per

Atty

UNITED STATES PATENT OFFICE.

CLARK M. PLATT, OF WATERBURY, CONNECTICUT.

IMPROVEMENT IN BUTTONS.

Specification forming part of Letters Patent No. **181,717**, dated August 29, 1876; application filed December 13, 1875.

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, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making part of this specification.

This invention is in the nature of an improvement in buttons; and the invention consists in a button with a bar formed on the front disk and integral therewith, over which the thread is sewed for attaching it to the garment, constructed with re-enforce projections on the rear disk, abutting against the lower end portions of the bar, in the manner hereinafter more particularly described.

In the accompanying sheet of drawings, Figure 1 is a rear view of my improved button; Fig. 2, a cross-section of same in the line *x x*, Fig. 1; and Fig. 3, cross-section in line *y y*, Fig. 1.

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

Buttons constructed with a cross-bar, over which the thread is passed in sewing it to the garment, have heretofore been objectionable to some extent, for the reason that it has been found that any undue strain will break the bar from the button, and hence it will become detached. To obviate this I construct my button with a bar, *a*, in the ordinary way, on the front disk, and then form up the hub *b* on the back shell, and turn over the edge of this hub inward and around the interior of the hub until two projections, *c*, which had previously been formed on the edge of the hub, are brought down and in contact with the rear ends of the bar *a*, as shown in Fig. 2, these projections acting as braces or as a re-enforcement to the bar, so that any strain that is brought to bear on the bar is imparted to, and borne by, these projections. Since the bar *a* is most likely to give way at or near its ends, or where it is connected with the shell of the button, these projections are forced down to and bear upon the bar at or near the weakest points, thereby strengthening it to an extent that will enable it to bear any strain that the button may be subjected to.

It will be seen that it is almost impossible for the strengthening-points *c* to be displaced by any strain brought to bear on the bar *a*, since their displacement could not be effected without forcing back all the metal which had been upset within the interior of the hub.

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

A button consisting of a front disk, having the bar *a* integral therewith, and the back disk or shell formed with the hub *b*, said hub having the projections *c* to support the rear ends of the bar, substantially as and for the purpose specified.

CLARK M. PLATT.

Witnesses:
CHAS. W. GILLETTE,
EDWARD F. COLE.