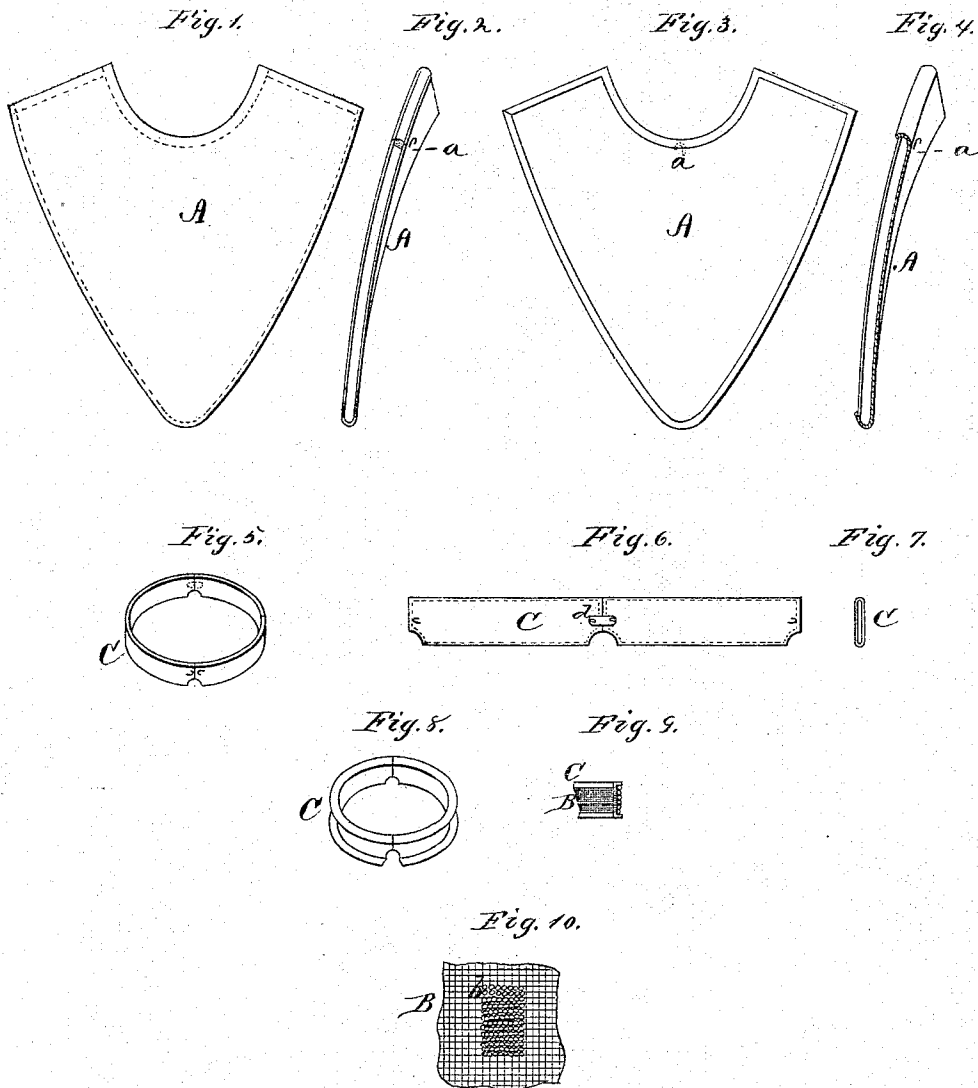


A. JOHNSON.

Bosoms, Collars, and similar Articles of Apparel.

No. 136,247.

Patented Feb. 25, 1873.



Witness:

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UNITED STATES PATENT OFFICE.

ASA JOHNSON, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN BOSOMS, COLLARS, AND SIMILAR ARTICLES OF APPAREL.

Specification forming part of Letters Patent No. **136,247**, dated February 25, 1873.

To all whom it may concern:

Be it known that I, ASA JOHNSON, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Shirt-Bosoms, Collars, and other similar articles of Wearing Apparel; and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

The nature of my invention consists in manufacturing shirt-bosoms, collars, and other similar articles of wearing apparel wholly or partially of glass, and when made partially of glass, combining therewith wire-cloth, to which beads may or may not be attached, linen, paper, or other suitable material. It also consists in having designs or figures painted, printed, embossed, impressed, or otherwise formed on or affixed to either surface of such articles of wearing apparel; and also in the method of covering such articles of wearing apparel with glass, all of which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawings which form a part of this specification, and in which—

Figures 1 and 3 are front views, showing two forms of my shirt-bosom. Figs. 2 and 4 are vertical sections of Figs. 1 and 3, respectively. Fig. 5 is a perspective view of a collar. Fig. 6 is a view of the same laid out flat. Fig. 7 is a transverse section of the same. Fig. 8 is a perspective view, and Fig. 9 a vertical section of another form of collar. Fig. 10 shows a piece of wire-cloth with beads attached.

A represents a shirt-bosom of any suitable size and form, and made either solid or hollow, as desired. If made solid it may either be used alone, as it is, or have a backing of wire-cloth, linen, paper, or any other suitable material, which backing is then to be covered with oil silk or other similar material. If the bosom is made hollow it is simply a glass case blown in molds in the same manner as other glassware, with one edge left open. In this glass case, through the open edge, is inserted

wire-cloth, linen, paper, or other suitable material, and the opening then closed by heating the edges or by filling it with rubber, cement, or similar material. Hooks *a a* are then attached in any suitable manner and in any desired positions for the purpose of attaching the bosom to the shirt. When wire-cloth is used for a backing or to be inserted in the hollow glass bosom, the edges of the cloth are tinned or dipped in solder or its equivalent to form a smooth edge and to prevent it from unraveling.

In Fig. 10 I have shown a piece, B, of wire-cloth, upon which beads *b* are attached. These beads may be of any suitable material, size, shape, and color, and arranged in any desired manner, and the wire-cloth then used for the backing of the solid glass bosom, or to be inserted in the hollow case. The wire-cloth, with or without the beads, may be immersed in liquid glass, the glass thus forming a covering for the same, and at the same time holding the beads, when used, firmly in their places.

On either surface of the glass bosom, or on the material which is used as a backing or to be inserted in the hollow glass, any desired designs or figures may be painted, printed, embossed, impressed, or in any other manner formed or attached, so as to present a neat and beautiful appearance. These designs or figures may be of any desired colors, one or more, as desired. C represents a collar made in any of the forms described for the bosom. The collar is made of two pieces, united together by hinges of elastic cords, as shown at *d*.

Other articles of wearing apparel, such as cuffs, neck-ties, &c., may be made in precisely the same manner.

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

1. A shirt bosom, collar, or other similar article of wearing apparel, formed of or enveloped with transparent glass, substantially as herein set forth.

2. A shirt bosom, collar, or other similar article of wearing apparel formed of a hollow glass case with wire-cloth or other suitable material inserted in the same, substantially as herein set forth.

3. A shirt bosom, collar, or other similar ar-

ticle of wearing apparel formed of a hollow glass case, and within the same wire-cloth with beads attached, substantially as herein set forth.

4. A shirt bosom, collar, or other similar article of wearing apparel made of glass, substantially in the manner herein set forth, and having designs or figures painted, printed, embossed, impressed, or otherwise formed on or affixed to either surface, as herein described.

5. The process of covering shirt bosoms, collars, or other similar articles of wearing apparel with glass by dipping the same into melted or liquid glass, substantially as herein set forth.

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Witnesses:

THOMAS G. ORWIG,
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