

J. Sims.

Attaching Dress Trimming.

N^o 95,525.

Patented Oct. 5, 1869.

Fig. 1.

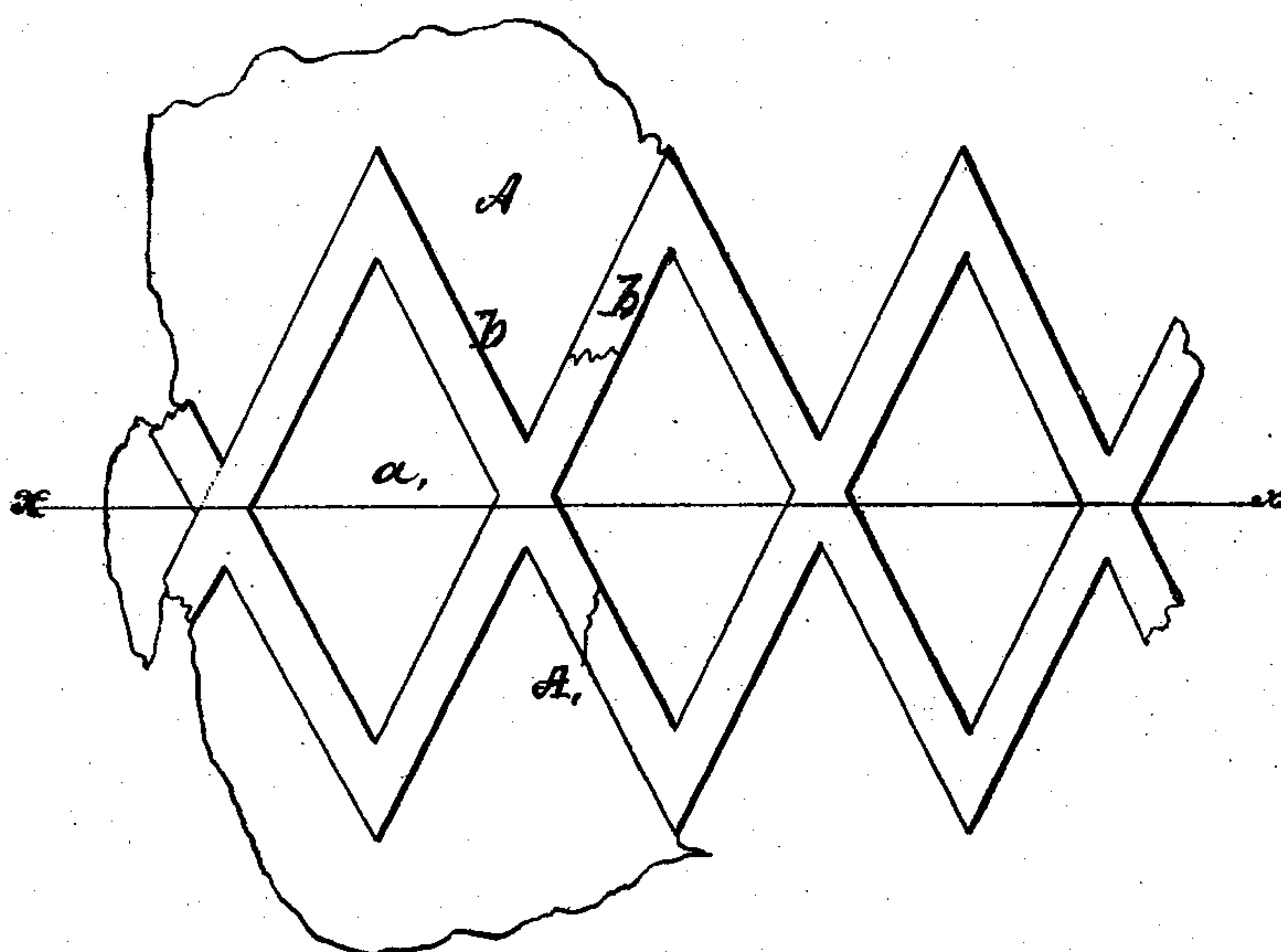


Fig. 2.



WITNESSES

Custave Dittmer
John H. Brooks

INVENTOR.

John Sims
per Wm. M. C.
Attorney

United States Patent Office.

JOHN SIMS, OF LIVERPOOL ROAD, ENGLAND, ASSIGNOR TO WILLIAM SPARKS THOMSON,

Letters Patent No. 95,525, dated October 5, 1869.

IMPROVED MODE OF ATTACHING TRIMMINGS TO ARTICLES OF DRESS.

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, JOHN SIMS, of Liverpool Road, in the county of Middlesex, England, have invented a new and useful Improvement in the Manufacture and Mode of Applying Ornaments to Woven and Felted Fabrics; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a face view of a fabric ornamented according to my improved method.

Figure 2 is a sectional view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to decorate garments and fabrics with applied ornaments that will adhere firmly to, and form, as it were, part of the fabric to which the ornaments are applied. Heretofore attempts have been made to decorate garments, and piece goods with applied ornaments, in contradistinction to ornaments woven in, or printed, or embroidered upon the goods, but the result has been that such applied ornaments would peel or strip off, or if well attached, would form stiff patches or protruding masses, not at all consistent with the idea of a flowing garment or flexible fabric.

To provide against these defects, is the object of the present improvement. The ornaments which I design to apply will take either the form of trimmings or continuous patterns, or of isolated patterns or devices, and I propose to form them of woven fabrics of various colors and characters, as taste and circumstances may dictate, and to use in their fabrication either one such fabric, or two or more of them combined, as may be desired.

The invention for which I seek a patent, is a process by which ornamental trimmings may be economically applied to various articles in general use, and this process consists—

First, in uniting to the back of one or more ornamental fabrics, a thin sheet of gutta-percha, by pressure under a damp heat.

Second, in cutting the compound thus formed into fancy-shaped pieces.

Third, in arranging these pieces in their proper relation on the garment, and fixing them thereto, by pressure under dry heat.

I will now proceed to describe the means which I consider best, and preferably employ, to carry out my process.

A, in the drawings, represents a garment which is to be provided with ornamental trimming.

a is a fabric of silk, united to a thin sheet of gutta-

percha, the compound having been cut into a diamond-form.

b is a fabric of velvet, united to a sheet of the same substance, and the compound cut into strips for bordering.

The silk compound a is now applied to the garment A, and united thereto by the simultaneous application of pressure and dry heat. The velvet strip b is also united to the garment A in the same manner, and its inner edges are made to coincide with the outer edges of the diamond-pieces.

In carrying out this invention, it is essential to use a damp heat for effecting the adhesion of the gutta-percha to the silk or other ornamental fabric, and to this end I find it desirable to employ pressing-boxes, covered with flannel, or other good absorbent of water, and heated internally by steam, which admits of a uniform heat being obtained. The flannel covering being kept moist by water, a damp heat, at a uniform temperature, will be easily maintained. The box will be pressed by hand, or otherwise, upon the overlying gutta-percha, the pressure being light, and but shortly sustained.

This treatment will cause the gutta-percha to become "tacky," and adhere to the silk or other ornamental fabric without melting, the effect of which, if allowed to take place, would be that it would run through and injure the face of the coated fabric.

Dies, punches, or embossing-rollers may be used, if desired, to form the trimming out of the compound fabric, but hitherto I have preferred the use of scissors for cutting up, say, the coated or compound silk, or other fabric, d, into diamonds, stars, or other devices, to form the base of the design, and the coated velvet into strips, b, to form either borders to these devices, or to give lines of continuity to the pattern.

To effect the attachment of the trimming to the fabric or garment A, to be ornamented, I have, in general, used heated flat-irons, which have been found very suitable for the purpose.

I propose to use different characters and colors of materials to form ornaments. Thus, silk, satin, velvet, and shorn and unshorn woollen cloth may be used singly for plain ornaments, or in combination, to produce ornaments of a more complex character, which, when applied, will adhere firmly, and will impart no displeasing rigidity to the fabric or garment to which they may be applied.

I may here remark, that trimmings, produced according to my invention, will be very suitable for forming borders to woollen petticoats, also to silk and woollen dresses, and for theatrical costumes and emblazonments, the invention will have a wide application.

Having now explained the nature of my invention,

and the manner of carrying the same into effect, I wish it to be understood that

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

The process above described for attaching trimmings to dresses or other garments, by a combination of the three steps specified.

The above specification of my invention signed by me, this 4th day of January, 1869.

Witnesses: JOHN SIMS.

FRED. WALKDEN,
66 Chancery Lane, London.

M. WYNN,
24 Royal Exchange, London.