

A. WALKER.
Trimming.

No. 223,779.

Patented Jan. 20, 1880.

Fig. 1.



Fig. 2.



Fig. 3.

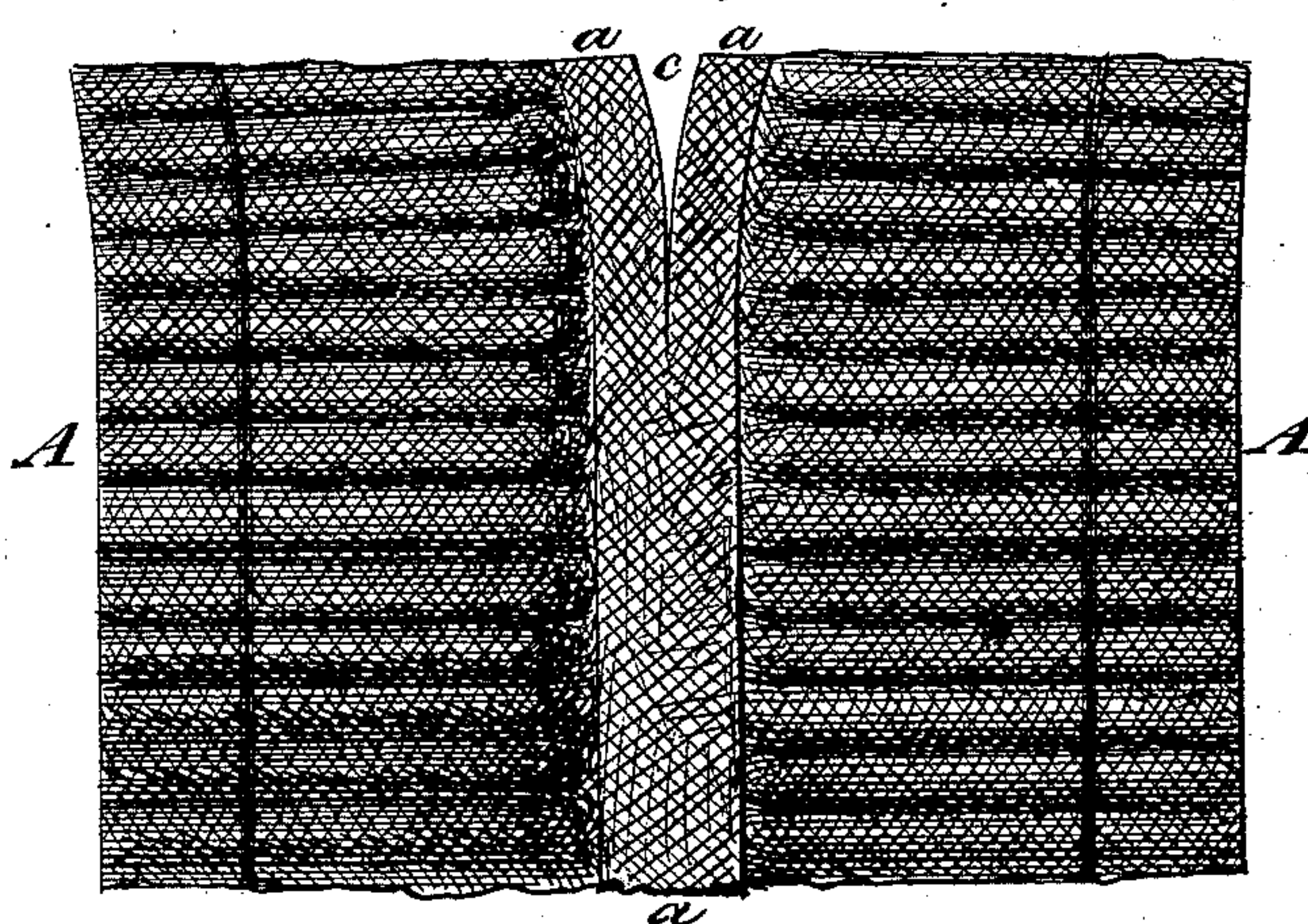
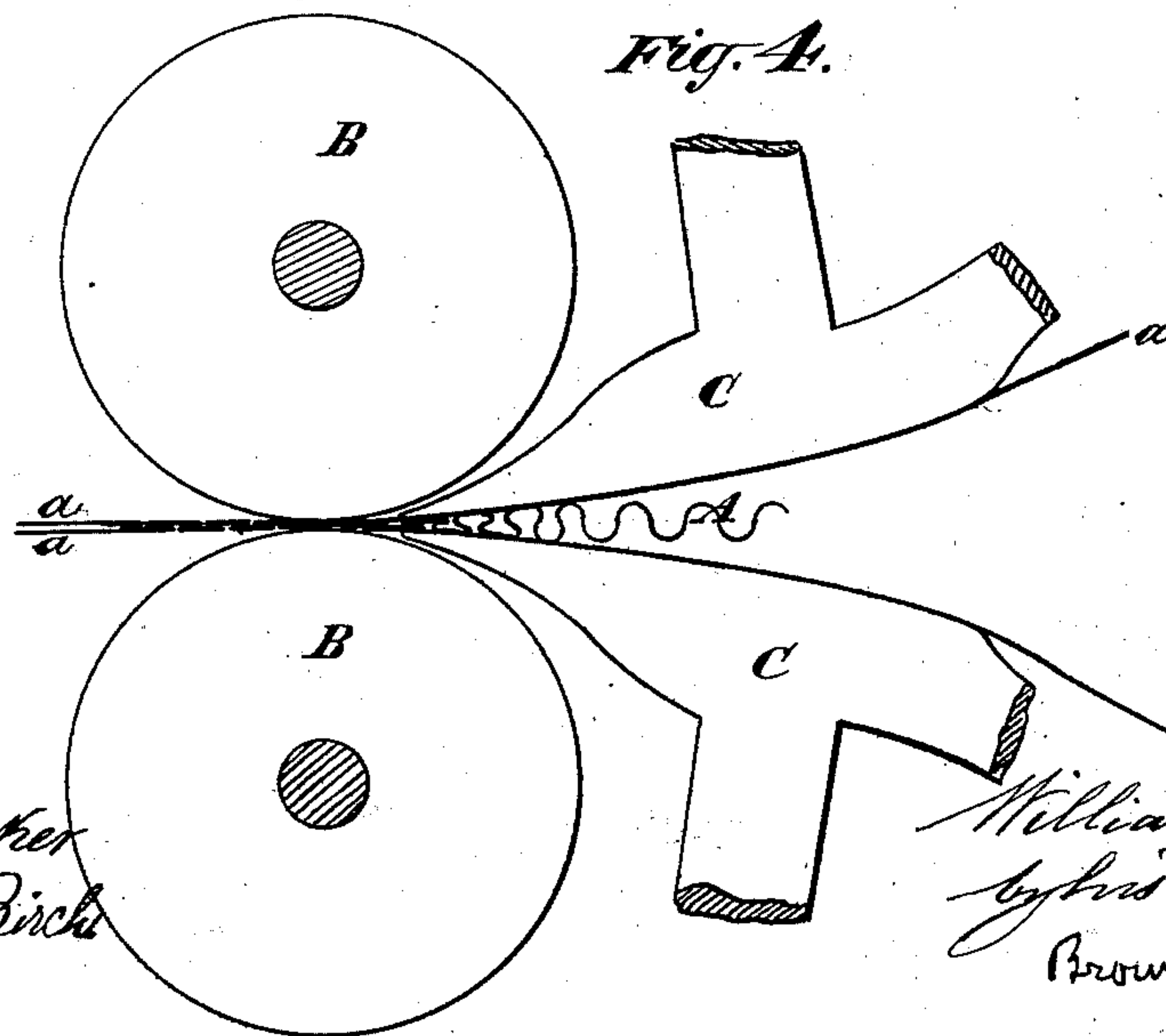


Fig. 4.



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TRIMMING.

SPECIFICATION forming part of Letters Patent No. 223,779, dated January 20, 1880.

Application filed August 21, 1879.

To all whom it may concern:

Be it known that I, WILLIAM WALKER, of the city of Brooklyn, in the county of Kings and State of New York, have invented a new and useful Improvement in Trimmings for Wearing Apparel; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to that class of trimmings which have been known as "band-ruffles;" and it consists in a ruffle composed of a fluted, crimped, plaited, or gathered strip having its flutes, plaits, or gathers flattened on both sides for a portion of its width, and having permanently affixed to said flattened portion two separate strips or bands of plain fabric, one of which is placed on each side, and which are fastened to it by means of adhesive material, for the purpose of retaining its flattened condition and of forming a permanent band to the ruffle. The band thus produced may be on either edge of the ruffle or at any distance from either edge thereof.

In the accompanying drawings, Figure 1 is a transverse section of a piece of my improved trimming, having the band at one edge. Fig. 2 is a transverse section of a piece of the improved trimming with the band along the middle of its width. Fig. 3 is a plan or face view of a ruffle corresponding with Fig. 2, and illustrating how, by its division along the middle of its band, it is made into two band-ruffles, like that shown in Fig. 1. Fig. 4 is a diagram illustrative of the method of applying the bands to the fluted, crimped, plaited, or gathered strip to make the band-ruffle.

A is the fluted, crimped, or gathered strip, and *a a* are two strips or bands of plain woven fabric applied on opposite sides thereof, and united therewith by means of adhesive material to form a double band.

To make this trimming the fluted, crimped, or plaited, or gathered strip A may be first produced by any of the well-known means employed for such work, the flutes, plaits, or gathers being made all across it. To flatten that portion of the said strip A which is to receive the strips or bands *a a*, and at the same time

apply the said strips or bands *a a* thereto, the said strip A and bands *a a* may be passed together, as shown in Fig. 4, between a pair of pressing-rollers, B B, of a width equal to that of the strips or bands *a a* and of the portion of the strip A to be flattened for the reception of the said strips or bands *a a*, the strips or bands *a a* being moistened with starch, paste, or other adhesive material, or with water, and thereby, when subjected to the pressure of the rollers B B, being caused to adhere firmly to the flattened portion of the band.

Water alone will be sufficient for moistening the bands or strips *a a* only when the said bands or strips themselves or the strip A, or both, contain as dressing a sufficient quantity of adhesive material to produce the adhesion of the flattened portion of the flutes, plaits, or gathers, and of the bands or strips *a a*.

The rollers B B may be heated in order to more perfectly flatten the banded portion of the trimming and produce the more perfect adhesion of the parts thereof.

In order to more uniformly flatten the strip A where the bands *a a* are applied, I prefer to use in front of the rollers B B two fixed supporting-guides, C C, converging toward a point near the opening between the said rollers, for supporting the bands or strips *a a* on their way to the strip A.

The above briefly-described combination of supporting-guides C C and rollers B B constitutes part of the subject-matter of another application which I have made for Letters Patent, and are only described here with a view to instruct others to make this improved trimming.

I prefer, in making the trimming with the band on one edge, (shown in Fig. 1,) first to make the centrally-banded ruffle shown in Fig. 2, with the strip A and the strips or bands *a a*, of double the width required, and then to cut this centrally-banded ruffle down the middle by any suitable means, as shown at *c* in Fig. 2. The trimming with band on the edge may, however, be made by taking a strip, A, of the proper width and applying and securing the strips or bands *a a* directly along the edge or margin by means of pressure and moisture or adhesive material. In some cases, however,

the strip A may be first made of a width sufficient for more than two trimmings, and then have two or more bands, *a a*, applied on either or both sides at suitable intervals, in the manner described, and the wide banded, fluted, crimped, plaited, or gathered trimming thus produced be divided longitudinally of each band to make three or more band-ruffles.

I am aware that a band-ruffle has been formed by flattening one edge of a ruffled strip and afterward lapping a folded band of plain fabric over the flattened edge and securing it thereto by adhesive material; but to make such a band-ruffle the edge of the ruffle has always required to be flattened by a separate process before applying the band.

One advantage of my ruffle having the band composed of two separate strips is, that it ad-

mits of the flattening of the ruffle and the application of the double band being performed at one operation.

What I claim as my invention is—

A band-ruffle composed of a fluted, crimped, plaited, or gathered strip, A, flattened on both sides for a portion of its width, and having permanently fixed to such flattened portion by adhesive material two separate strips of plain fabric, placed one on each side, for the purpose of confining the flattened portion of the flutes, plaits, or gathers and of forming a permanent band to the ruffle, substantially as herein described.

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Witnesses:

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