

# Rayon Fabric Designing

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The development of rayon yarns and the ever-increasing use of them in all-rayon, rayon and cotton, rayon and silk, or rayon and wool fabrics, has brought opportunities for the fabric designer never before possible.

Especially is this statement applicable to rayon and cotton fabrics, where the rayon is used for the embellishment of these cloths. The rayon can be used with cotton in the form of stripes and checks, or may be used entirely for filling.

Fabrics can be made in this way, which, if made from cotton alone, would not be of any

as much on the face of the fabric as possible. This brings up two points: first, the tying-in of the rayon should not be done too often, that is, floats made too short, or the brilliance and luminosity of the fabric will be diminished; second, if the tying-in of the rayon is not sufficient and long floats are made, the brilliance may have been increased but this will be at the sacrifice of utility of the fabric, as long floats will "fray" quickly. The correct binding or tying-in of the picks should be carefully considered by the designer and made according to the construction of the fabric.

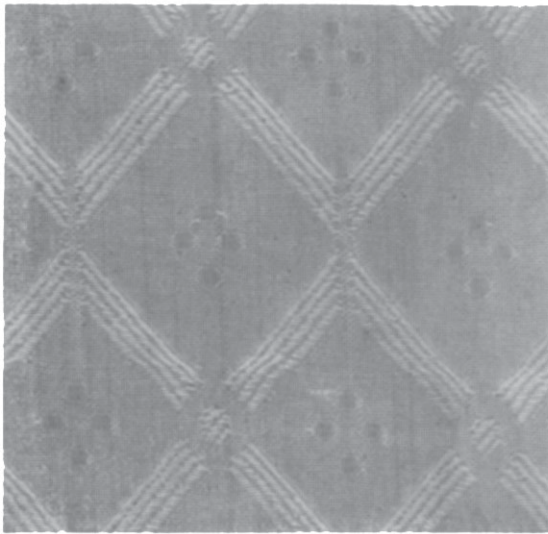


FIGURE 1  
Example of Poorly Designed Bedspread Border Fabric, Cotton Warp, Rayon Filling

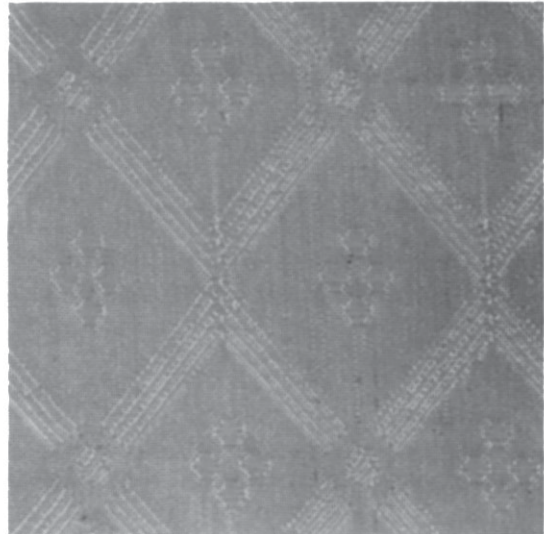


FIGURE 2  
Full Pattern Developed in Rayon but Defective at Point of Diamond Figure

interest to the consuming public because of the lack of luster and attractiveness; yet when the pattern is ornamented with rayon a ready sale is often developed for this merchandise. In developing a cotton and rayon embellished fabric, there are several points that must be considered.

## Binding-in the Rayon

Rayon being used for decoration, illumination, or embellishment of the fabric, should be

Another important point in the designing of these fabrics is the correct development of the design in the cloth. This is applicable to all fabrics, whether for dress goods, shirt waistings, bedspreads or any other fabric. To demonstrate this point the following illustrations are given: Fig. 1 is a sample of bedspread border fabric, cotton warp, rayon filling. The incorrect development of the design in the fabric will be seen at once. The circles in the center of the diamond were developed in warp instead of filling, thus throwing rayon

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at the back of the fabric. The points of the diamond are not joined together correctly, thus making a streak between the diamonds. A few ends are weaving plain, which is the cause of the breaks in the diamond points.

the face, having about the same amount of filling float. There is not sufficient "character" to the figure because of the method of development. The leaves which encircle the rose have been developed so as to bring the rayon



Figure 3  
Some Floats Are Too Long, While Others Are Too Short

Fig. 2 illustrates the fabric with the defect in center of diamonds corrected by bringing the rayon on the face of the fabric, thus developing the full pattern in rayon. The defect at point of diamond is not as distinct as it was in Fig. 1, but is not correct. The points do not join correctly, being kept apart by interweaving of the ends with the rayon. A complete diamond should have been made with the rayon filling.

#### Length of Floats

Another illustration of an imperfectly developed fabric is given at Fig. 3. This is also the border of a bedspread. The center figure is presumably intended for a rose, but the pattern is too indistinct, the float of filling being too short and not correctly made. The back of the fabric is practically the same as

prominently on the face of the fabric. This is a direct contrast to the closely woven rose, which makes the leaves stand out prominently. The development of the leaves has, however, been very carelessly done, or there has been very careless card cutting, as there are floats of filling varying from three-eighths to five-eighths of an inch.

The outside stripes of the border have been developed opposite to the leaves in the pattern, the rayon filling being at the back of the fabric. If the fabric is reversed, these stripes will then be on the face of the fabric, but the leaves will have the rayon filling at the back, so that no matter which side of the fabric is considered as the face, the pattern is defective in development.

This fabric is a good illustration of the poor development of a design.