

The Construction of Weaves

By E. Bittner

FIGURED WEAVES.

If risers are inserted in or removed from a weave the weave effect loses its original character, and in these places the floats of the threads are lengthened or shortened, pro-

Fig. 493

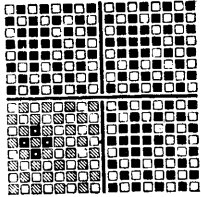


Fig. 494

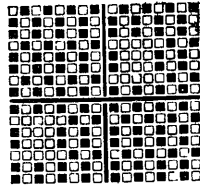
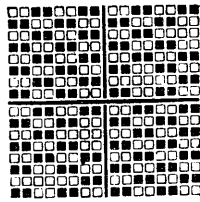
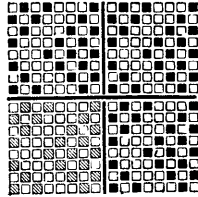


FIG. 497.

FIG. 498.

ducing a figured effect. The plain rib, twill and satin weaves are used for figured weaves.

In drafting a figured effect on a plain weave the latter is drafted on a certain number of warp and filling threads, and risers are then inserted or removed in accordance with

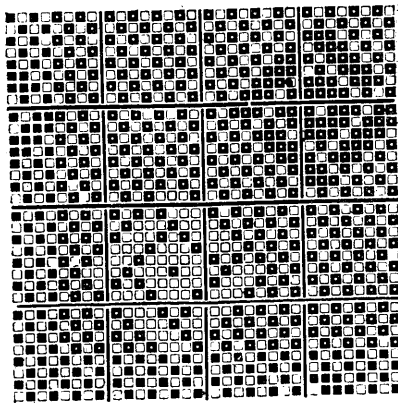


FIG. 496.

the selected motif, Figs. 493-496. These weaves on a plain ground are used for cotton, linen, silk and union fabrics.

The figured effects are drafted on rib, twill and satin weaves in the same way as on a plain ground, Figs. 497-507.

Fig. 493. Plain ground, 8x8. Risers added. Usually the filling float is on the face.

Fig. 494. Plain ground, 8x8. Risers removed for a zigzag effect.

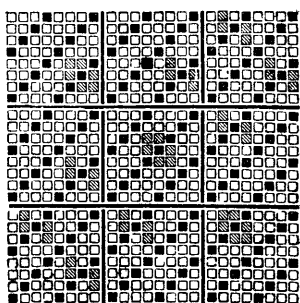


FIG. 495.

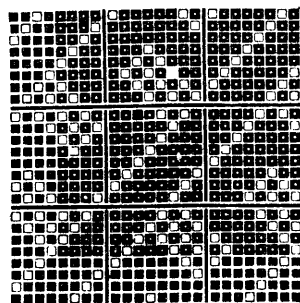


FIG. 501.

Fig. 495. Plain ground, 20x20.

Fig. 496. Plain ground, 23x28. Risers removed and added, giving a more pronounced pattern when the warp and filling are of contrasting colors.

Fig. 497. Rib ground, 16x16. Risers removed.

Fig. 498. Mixed rib ground, 16x15. Risers removed.

Fig. 499. Rib ground, 16x16. Risers added.

Fig. 500. Twill ground, 16x16. Risers added to for spots arranged in broken twill order.

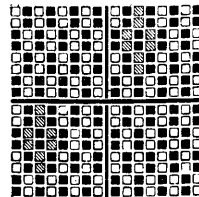


FIG. 499.

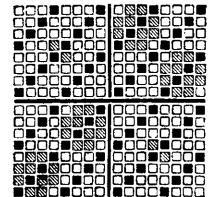


FIG. 500.

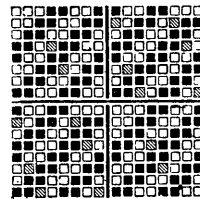


FIG. 502.

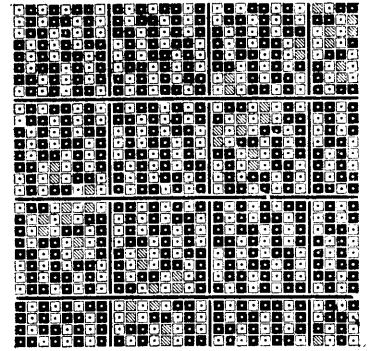


FIG. 507.

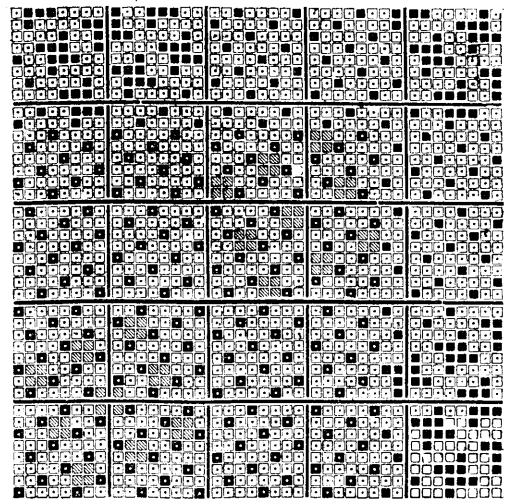


FIG. 503.

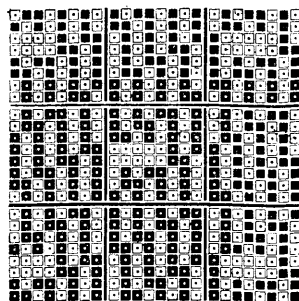


FIG. 505.

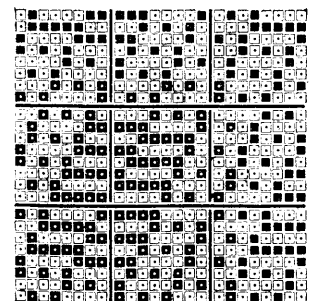


FIG. 506.

(Continued on next page)

THE CONSTRUCTION OF WEAVES.

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Fig. 501. Twill ground, 24x24. Risers added.

Fig. 502. Twill ground, 16x16. Risers added and removed.

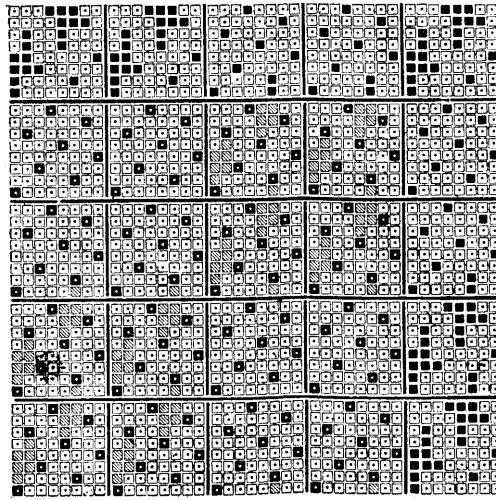


FIG. 504.

Fig. 503. Satin ground, 30x30. Risers added.

Fig. 504. Satin ground, 32x32. Risers added.

Fig. 505. Satin ground, 18x18. Risers removed.

Fig. 506. Satin ground, 18x18. Risers added.

Fig. 507. Satin ground, 28x28. Risers removed.