

W E F T   F A C E

S W I V E L

In plain Swivel the pattern weft covers only 25% of the fabric at the best. In Full Swivel it covers 50%, the remaining 50% being the warp. But if we make a very open warp, use a soft and bulky weft and beat it tight, the warp will be completely covered by weft, and the blocks of pattern will be woven in one solid colour.

There is not much we can do here with 4 shafts yet a 4-shaft draft will serve quite well as an introduction to this method.

Since we have here a weft-face fabric, it is necessary to fill the whole shed with pattern weft. Fig.1 shows the example.

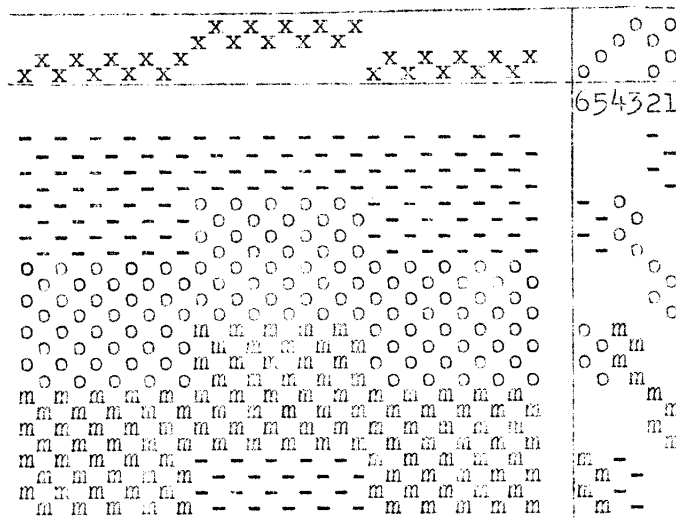


Fig.1

The symbols "-", "o", and "m" mean simply three different colours. The number of colours is unlimited, but the patterns must be simple. We shall work then out in profiles. The lower line of the profile corresponds to the block: 12, and the higher one to the block: 34. In fig.2 the same symbols for colours are used as in fig.1.

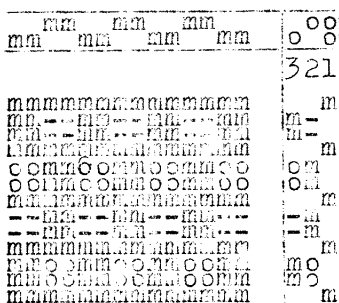
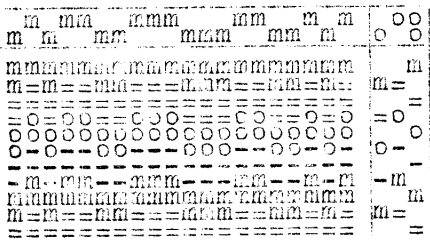


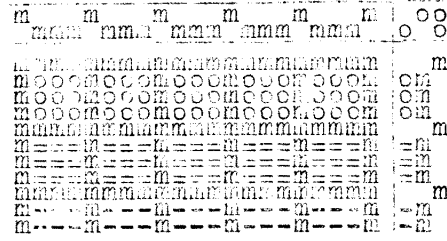
Fig.2

The short tie-up corresponds to the tie-up in fig.1 also. No.3 of the short tie-up represents treadles 6 & 5; No.2 - 4 & 3; and No.1 - 2 & 1. Each mark in short treading draft means two shots of weft of each colour, so that "m-" is actually 6m, 4-, 5m, 3-.

The type of patterns which we can use here is very similar to Rep Weave, and to Summer-&-Winter on 4 shafts, because in all these cases we have two blocks which can be woven separately or combined. But only Full Swivel has blocks of solid colour, and therefore any number of colours can be included in the same piece of weaving without producing stripes in weft. Here are two more suggestions:



etc. Fig.3



etc. Fig.4

Even with 4 shafts fabrics woven in weft-face Full Swivel are striking by their purity of colour, and are very similar in appearance (on one side) to simple tapestry.

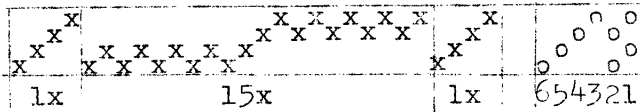
And this is the whole point of this weave. Broché, which is the final development of Full Swivel, is nothing else but shuttle-woven Brocade, or rather imitation-brocade.

Before we go into a higher number of shafts we shall see what can be done on 4 shafts when we combine the Locked Wefts with weft-face Full Swivel. But this we shall do in the next article.

PRACTICAL PROJECT.

Upholstery.

Warp: 8/2 or 6/2 cotton; sett: 10 ends per inch; No.10 reed; one end per dent; No.of ends: 308; width in reed 31".



Weft: No.2/4 wool (1100 yds/lb), Black (m), Dark Grey (o), Light Grey (=), White (-).

Treadling: 6m,4o,5m,3o - to make 3/4"; 6o,4=,5o,3= - to make 3/4";

6=,4-,5=,3- - to make 3/4"; 6-,4m,5-,3m - to make 3/4";

and repeat. Use plenty of weft in each shed; beat hard.

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