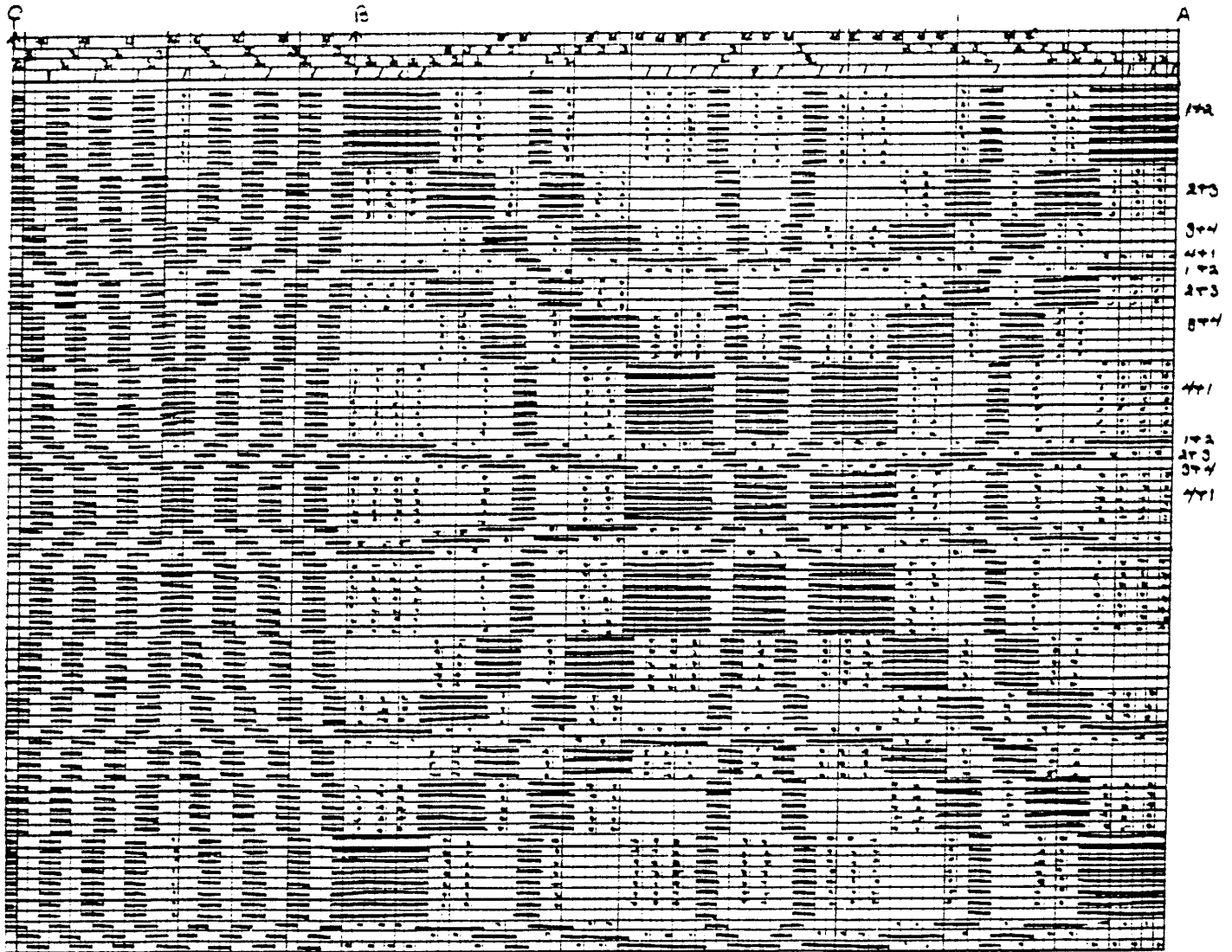
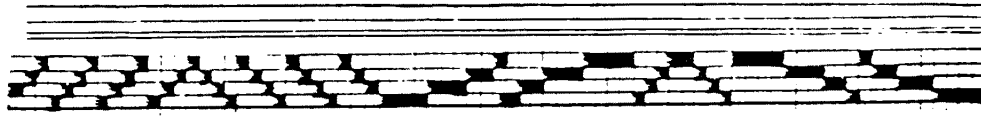


HANDWEAVING NEWS

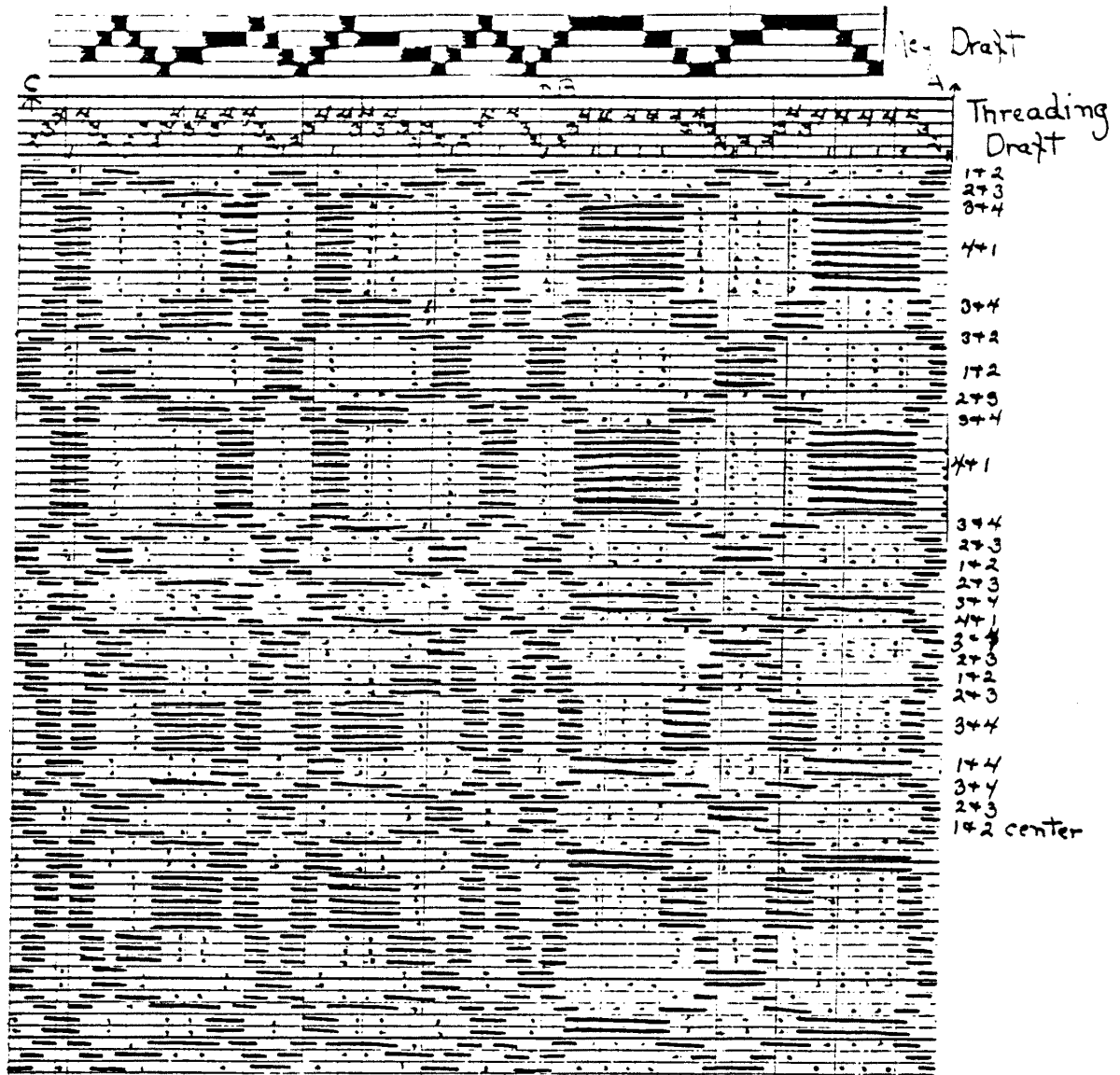


Designing Four Block Over-shot Patterns.

There are several ways of designing four block over-shot patterns. Three of these will be presented here for you. The first method is one based on the simple twill. The key draft, threading draft, and check draft are shown above for this. Start with the twill, namely the 1,2,3, and 4 pattern blocks in order. Make the sides of these blocks different, repeat them as many times as desired up to a center, and then reverse the order back to the beginning. The threading draft is written from the key draft by using two threads for each unit of the key draft pattern blocks. This is the way the Colonial so-called "Sunrise" patterns were developed.

To arrange the above threading draft for a warp of 400 threads, proceed as follows, - Thread the first and last heddle double, begin to thread 4,3,2,1,4,3,2,1,4,3,2,1; The A to B, or one repeat 106 threads, repeated 3 times, row A to B once. At the end thread 2,3,4,1,2,3,4,1,2,3,4,1,2, which takes up the warp of 400 threads.

Herringbone Order of planning a Four Block Pattern



The pattern given above is based on the herringbone order of threading, namely 1,2,3,4, 3,2, and repeat. Note carefully how the key draft above follows this order, making the pattern blocks of different sizes. Given above is the key draft, threading draft from this and the check draft below. The numbers at the side of the draft indicate the order of using the harnesses to weave the pattern. For the Structo loom, use just the opposite levers than those given, to bring the pattern effect on top of the weaving. Most of my students who have been working with this method of designing feel that this order gives the least interesting patterns. The one given above has many variations, and may be woven in many different ways, useful for many things. As we have arranged it, A to B has been used as a border and B to C used for a center repeat, with the border A to B repeated on the opposite edge. A to C can be used as repeat if desired.

To arrange for a warp of 420 threads, proceed as follows, -
 A to B as written, equals 34 threads, then B to C or 44 threads repeated 8 times which equals 352 threads. Then repeat from A to B, 34 threads, which takes up the full number of the warp threads.

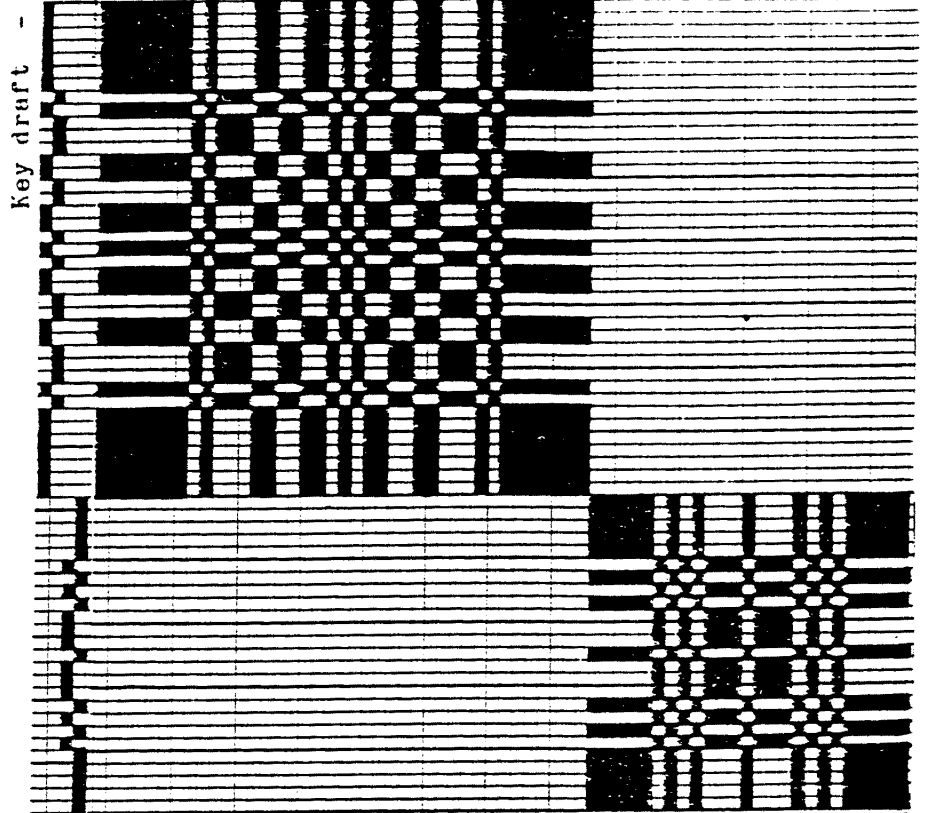
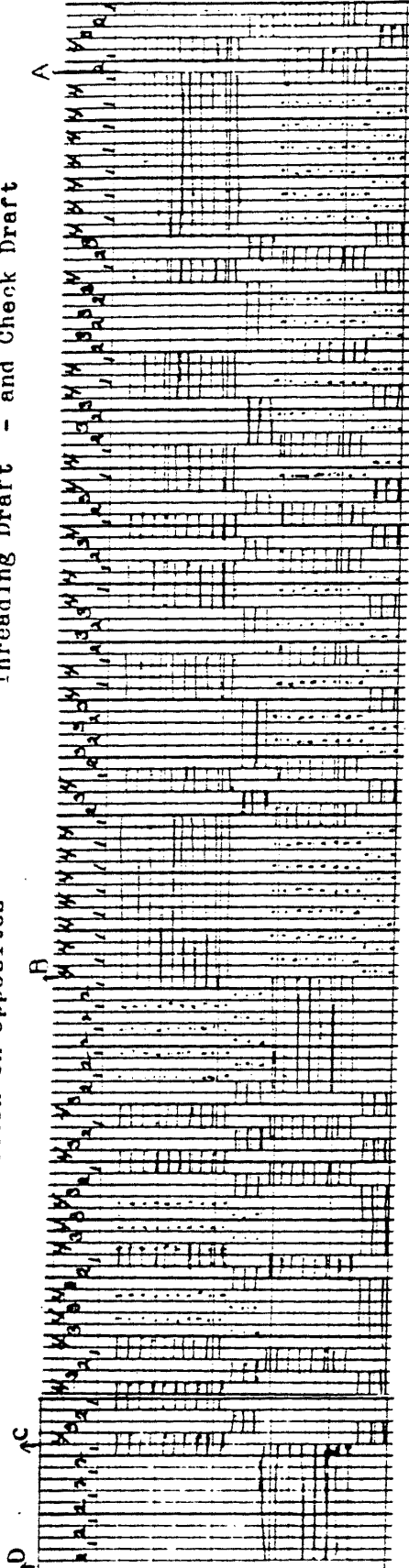
This threading draft should prove useful for small runners, bags, towels etc. where a simple threading is desired, and when set 30 threads to the inch on a fine 20/2 cotton warp may be used in many as the pattern block skips are fairly short.

Pattern Block effect

1+4
2+3
1+2
3+4

Threading Draft - and Check Draft

Four Block Pattern "On opposites"



This third pattern design is a design "on opposites". It is not nearly as common as the two previous types of pattern, and yet holds much opportunity for clever use of the technique. Note that the pattern effect is very clear cut. Compare this with the check draft of the threading draft and note carefully the two thread skips and the one thread skips. These form in the woven fabric almost a third color value in the weft, while the pattern blocks are sharp and set off by small areas of plain weave. The pattern blocks are written on the 1&4 pattern block with its opposite 2&3. And the other two opposite pattern blocks are 1&2 and 3&4. Of course these patterns can be woven as is usual, but quite another effect is obtained.

From A to B, a repeat of 78 threads was used for a border, with the center B to C repeated 6 times, then C to D, A to B again and the edge threads to balance the pattern for a 420 thread warp. This in detail is as follows, - Thread 1,2,3,4,1,2, as given when

Border A to B	equals	78 threads
B to C	"	40 threads X 6 equals 240
C to D	"	10 threads
A to B	"	78 "

End with 1,2,3,4,1,2. Be sure and thread the first and last heddle double.

Weave to follow the pattern effect design, and square each pattern block. The center may be repeated over and over as desired for the length of the center, then the border repeated for the other end.