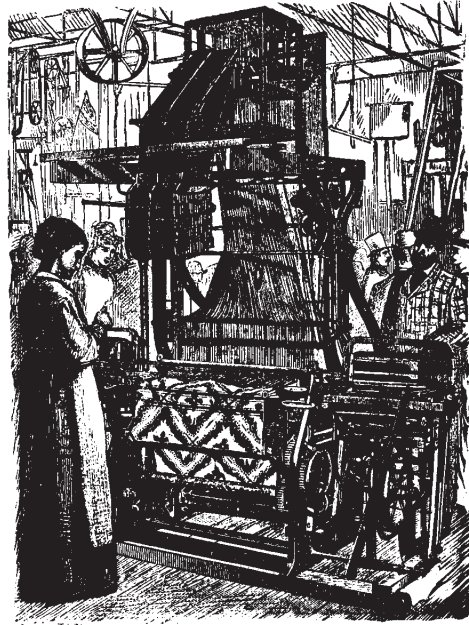


The pattern mechanism acts upon separate lifters, through which the 8 colored threads of the weft respectively pass. The colored yarn which is required for the next throw is

Fig. 1811.



Ingrain Carpet Needle Loom.

elevated so as to be caught in the slot of the reciprocating needle and carried half way through the shed, where it is caught by a hook which has advanced from the other selvage to meet it, and the loop is drawn back to the selvage by the hook, laying two threads in the shed. The loop of the weft is then caught by a latch-needle, which is moved in a direction across the path of the weft and is knit in with the former loop.

See also CARPET LOOM, p. 169, *supra*.

Needle Loom. A loom in which the weft is thrust through the shed by a rod, known as a *needle*. Fig. 1811 shows a four-harness Jacquard loom of Dienelt & Eisenhardt, for weaving ingrain carpets. It has a capacity for 16 weft threads of varying colors.