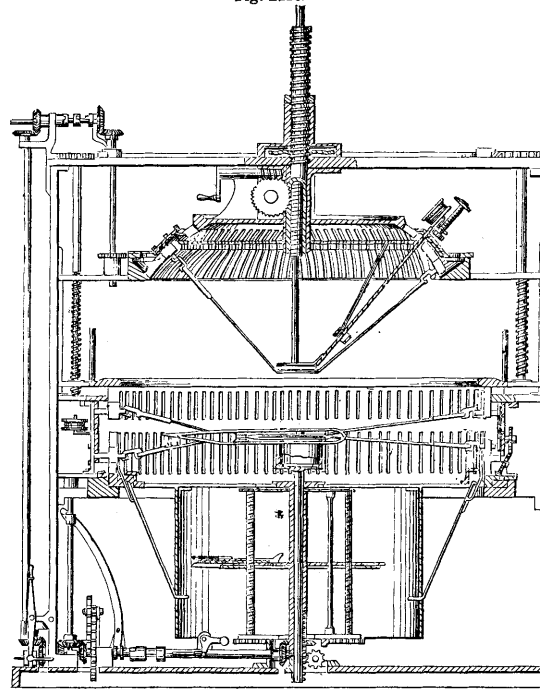


Hat-weaving Loom. The warp strands for the hat are attached to carriers placed opposite each other in a circular series of partitions. The top of the crown is first woven, the warps being horizontal and moved to cross the path of the moving filling. When the top is completed the warp-carriers are removed to the upper series of partitions, and a circular or oval plate at the bottom of a follower gages the size of the crown; then, to weave the brim, the warp-carriers are removed to the lower series of

Fig. 2446.



Hat-Weaving Loom.

partitions, the crown being fitted to a hat-shaped block. During the weaving, additional warps and warp-carriers are thrown into action automatically. The edge of the brim is finished by hand, after the hat is removed from the machine.