

Em-broid'er-ing-ma-chine'. A form of sewing-machine in which the cloth is moved beneath the reciprocating needle-bar according to the requirements of the tracing, while the needles and hooks retain their respective relative positions above and below the fabric.

Heilmann's embroidery-machine (Mülhausen) has an arrangement by which the needles — 100, more or less — are attached to a carriage which travels to and fro in front of a vertical web. The needles have an eye in the middle and a point at each end. They are grasped by pincers and pulled through.