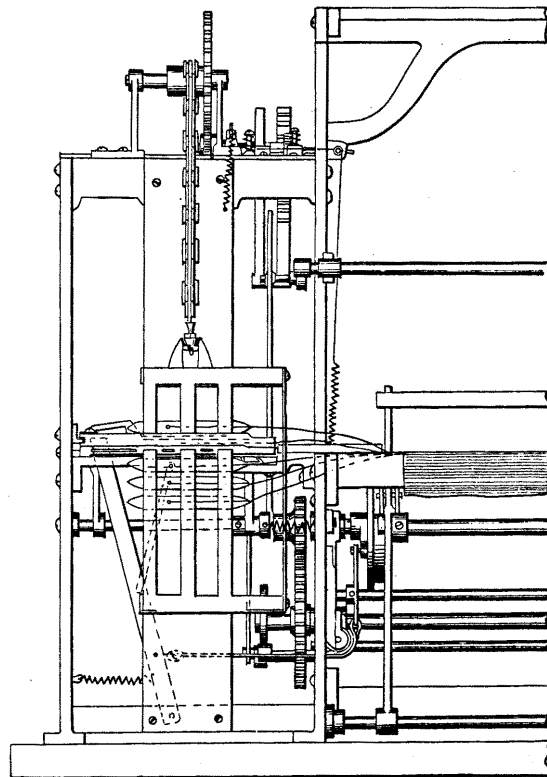


In'grain-car'pet Loom. A loom in which two or more shuttles, one for the ground and the other for the figure, are employed.

In Bigelow's (Fig. 2675) the two, after being thrown, are received in horizontal boxes on each side of the frame, and a third series, containing the different colored yarns producing the pattern, are placed in a set of vertically arranged boxes; all the shuttles are actuated by the same picker-staves; and the figure shuttles are raised and lowered as required by pinions having a reciprocating rotary motion on a shaft, their presentation being determined by a pattern-wheel, having movable cam-surfaces on the

Fig. 2675.

*Ingrain-Carpet Loom.*

shaft; one vibrating cam moves the lay forward to beat up the cloth, and another moves it backward, while a shuttle is thrown.