Mr. E. B. Bigelow, of Boston, patented a method of weaving pile fabrics double, by means of transverse intersecting pile wires woven between the two fabrics so as to keep them properly apart, with movement at the same time of two shuttles, and an arrangement connecting each shuttle with the shipper, or disconnecting lever of the loom, so that, when the filling fails in either shuttle, the loom is thrown out of gear. Other American inventions in connection with the improvement of the power-loom have been very numerous, but comparatively few changes of a radical character have been introduced.

Wenving, n. (Manuf.) The act, art, or operation of producing cloth by the combination of flexible fibres, performed upon a frame called a loom, the invention of which is ascribed to the Egyptians. Among all barbarous nations, W. consists of warping and crossing grasses, and such simple materials as are most easily attainable, and is purely darning. The long threads, running from end to end of the piece, are called the warp; the cross ones, interlacing from side to side, the weft. In the method of W. by darning, every alternate thread of the warp must be lifted by itself to put in the weft-shot, and that process is therefore very tedious; but when a method is employed for lifting up a certain portion of the warp at one, which is called shedding the web, to receive the weft-shot, this effects a great saving of time, and is W. in its second stage. W in this state has existed from time immemorial among the Egyptians, Hindoos, Chinese, and others. Plain W., where the weft-threads gass alternately over and under those of the warp, is performed at a loom, of which the essential parts are: ist, an arrangement for stretching the warp; 2d, a contrivance for raising every alternate thread, or half the threads of the warp, and depressing the other half, so as to open a space or shed for the shuttle which carries the weft; 3d, a contrivance for striking each weft-thread close up to the one previously thrown. In W. with the common loom, the warp is wound upon a cylindrical beam or roller. From this the thread passes through a harness composed of movable parts, called the heddles, of which there are two or more, consisting of a series of vertical strings, connected to frames, and having loops through which the warp passes. Each of these heddles reversed. Each time that the warp is opened by the serversed. Each time that the warp is opened by the read of worf is immediately driven into its place by a frame called a log, furnished with thin reeds or wires, placed among the warp like the teeth of a comb. About the latter portion