

Warp-machine'. A lace-making machine having a thread for each needle employed ; in contradistinction to the stocking-frame, which has but a single thread.

This machine was invented about 1775 ; it was improved by Dawson in 1784, by the application of the rotary motion and the cam-wheels to move the guide-bars. Warp-machines were the first to produce ornamental patterns on lace, such as spots, bullet-holes, etc.

The Jacquard apparatus was applied to the warp-machine by Draper in 1839.