Thread-polishing Machine. A machine for imparting the final gloss to thread preparatory to spooling. This is usually effected by passing it between rubbers or rollers.

In Fig. 6404, the thread is conducted from the bobbins over pins, and thence through size-boxes to and eye to the rubber carriers of which the pins are connected with blocks causing them to reciprocate in vertical guides by cranks on the shaft of the roller which rotates the bobbins. The upper and lower carriers simultaneously move in opposite directions toward and from the center, and each pair may be disconnected without interference with others in case of breakage of the thread, which is wound upon the reels.

In the machine (Fig. 6405), the thread, after passing between a pair of sizing-rollers, is conducted through a guide to a pair of rotary disks connected by a series of parallel bars, which exert a rubbing action. Thence through a second guide to another pair of rotary disks connected by similar rubbing-bars, and finally, after passing through a pair of pressing-rollers, is wound upon reels. A brush for removing size from the bars is a feature. Rollers or rotary brushes may be substituted for these bars. See also THREAD-FRAME.