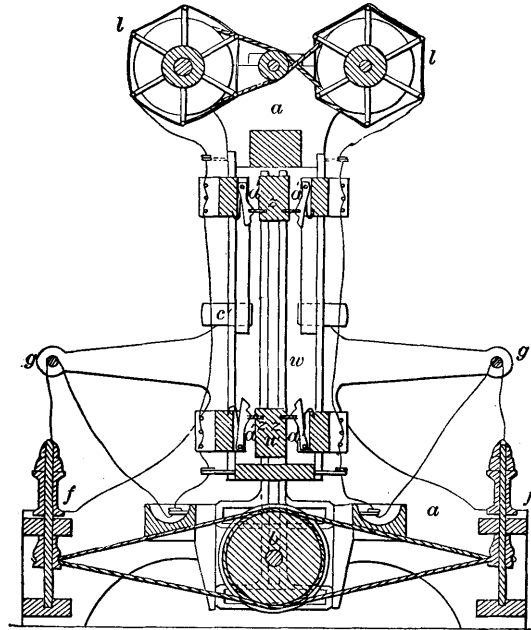


Thread-pol'ish-ing Ma-chine'. A machine for imparting the final gloss to thread preparatory to spooling. This is usually effected by passing it between rubbers or rollers.

In Fig. 6404, the thread is conducted from the bobbins *f* over pins *g*, and thence through size-bowls *a* and eyes to the rubber carriages *a' a' a'*; these have each a series of projecting pins, between which the thread passes, and are connected with blocks *w' z* caused to reciprocate in vertical guides *w* by cranks on the shaft *b* of the roller which rotates the bobbins. The upper and lower carriages simultaneously move in opposite directions toward and from the center *c*, and each pair may be disconnected without interference with others in case of breakage of the thread, which is wound upon the reels *l l*.

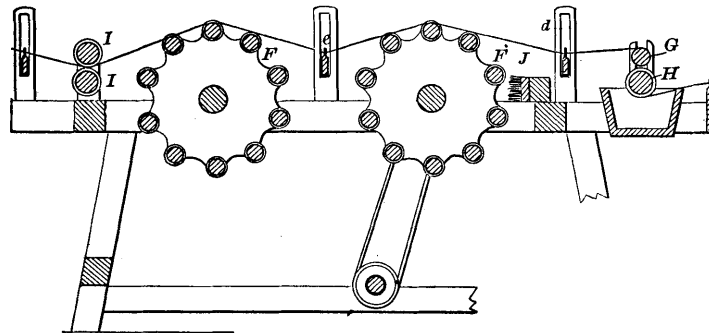
In the machine (Fig. 6405), the thread, after passing between a pair of sizing-rollers *G H*, is conducted through a guide *d* to a pair of rotary disks connected by a series of parallel bars *F*, which exert a rubbing action; thence through a second guide *e* to another pair of rotary disks connected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

Fig. 6404.



Thread-Polishing Machine.

Fig. 6405.



Machine for Polishing and Dressing Thread.