

Yarn Tester. An instrument for testing the strength of yarn. See Fig. 2547.

Fasten the foot *a* to the floor, and the legs *d* *b* to the wall, thus holding the machine firmly in a perpendicular position. Then with a yarn rest, wind from cop or bobbin one knot (or one seventh of a hank or skein) which equals 120 yards. Carefully remove the knot from the reel and place it upon the pins opposite, *g* and *h*: then turn the crank *i* to the right until the yarn breaks. The index point *d* will then show the amount of stretch in inches and eighths, and the upper index *c* will also give the exact breaking weight in pounds avoirdupois.

The machine, shown in Fig. 2548, has for its object the exposure of all unevenness in yarn.

It consists of a black board turned by a strap and pulley from a handle, which latter also revolves a screw, upon which slides a prong-shaped guide for directing the yarn as it comes from the cop, bobbin, or hank. By the revolution of this screw the yarn is wound properly spaced upon the black board, and any unevenness may thus be readily detected, as well as all impurities in the same.

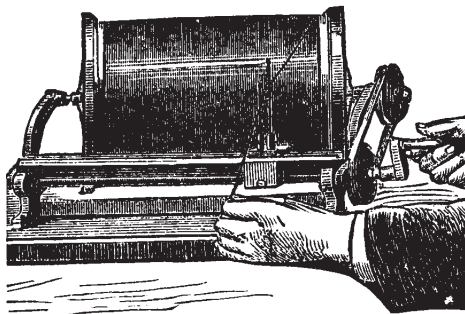
The principle of testing the evenness of the yarn against black boards is not unknown to yarn agents and shippers, but this little apparatus seems to be very handy, and to have the advantage that these boards, with the yarn, may be put aside for ready reference when required.

Fig. 2547.



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