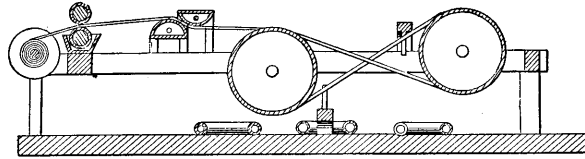


the rolls *c c'*, which express the superfluous paste. For woolen, a sizing of glue is employed. The yarn is drawn backward and forward through trumpet-shaped openings, and passes beneath a roller at each end of the box; repeated compression and immersion is necessary to expel the air and saturate the fiber.

Fig. 5121 is a machine for sizing and finishing covered skirt-

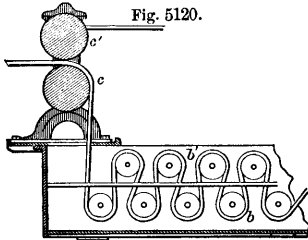
Fig. 5121.



Wire-Sizing Machine.

wire. The wire is passed through the starch or size, and thence directly in contact with ironers or polishing surfaces, whence it may be passed over rolls and heaters previous to its being reeled.

Fig. 5120.



Sizing-Machine.

Siz'ing-machine'. An apparatus for sizing cotton warp-threads.

The trough *a* is provided with a steam jacket, and contains a number of rollers *b b'*, etc.; it is nearly filled with liquid paste, and the warp is drawn alternately under one and over another of the rollers until it passes between