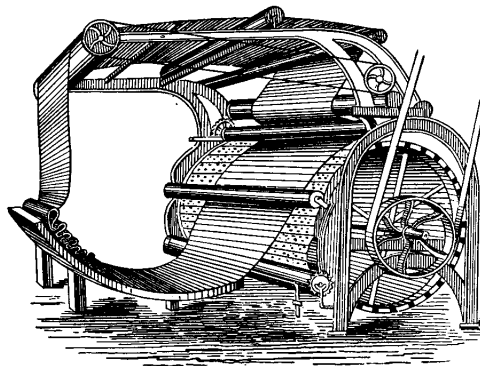


Gig'ging-ma-chine'. A machine for dressing woolen cloth by subjecting it to the action of teasels, whose fine hooks draw the loose fibers to the surface. A *napping-machine*.

The teasel is a kind of thistle (*Dipsacus fullo-num*) cultivated for the purpose. The awns or braets of the prickly head are furnished at the ends with little hooks, which are sufficiently strong to overcome slight impediments in drawing the loose ends of the filaments of wool to the surface. If the hooks of the teasel become engaged with knots which they cannot disentangle, they break, and it is this property which renders them so peculiarly suitable for this purpose. Artificial teasels, such as wire cards, have hitherto failed to answer the purpose as fully,

Fig. 2211.



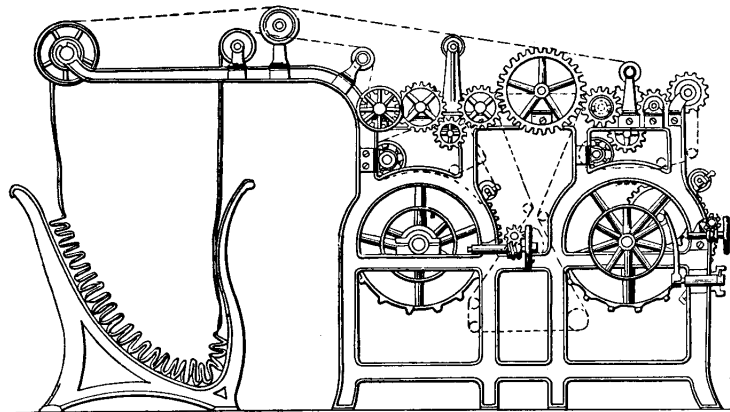
Gigging-Machine.

on account of their unyielding nature when they become engaged with a knot.

From 2,000 to 3,000 teasel-heads are arranged in frames attached to a hollow drum or cylinder, and the cloth, guided by rollers, is drawn in a direction contrary to that of the cylinder, the latter revolving somewhat rapidly and the cloth passing more slowly.

In the illustration, the ends of the cloth are sewed together so as to make it a continuous band which

Fig. 2212.



Gigging-Machine.

passes round again and again. See TEASELING-MACHINE.

In Fig. 2212 the cloth is teased in opposite directions on the same side without removal from the machine, and may be presented twice to each teasing cylinder. It does not pass under the cylinders so as to catch the falling dirt, etc., and its napped surface is uppermost for inspection at all times.