

Cloth Press. A machine for pressing cloth *in transitu* or in bolt.

Nussey & Leachman, Leeds, England, make a powerful automatic machine, in which the woolen cloth is fed intermittingly between steam-heated platen and bed-piece. These are driven together with a force of 1 ton to the square inch, by a steam-pump acting as a hydraulic press. The whole surface is such that the aggregate pressure is 153 tons, and the pressure is maintained for 15". The platen then retreats, the cloth is automatically advanced, bringing a fresh position between the pressure surfaces, which are again advanced, and so on. The cloth at the feed-end is fed over smoothing rollers. The machine was shown at the Centennial Exhibition.

In the continuous cloth press of *Harwood & Quincy*, of Boston, Mass., the cloth goes direct from the shearing machine to the press where it is brushed and pressed simultaneously.

The cloth to be pressed passes over bars and friction rollers, then over the upper part of a brush, and thence between a roller and concave bearing, and finally over another roller and the plaiter. The bearings are heated or not, as desired; the pressure may be brought up by the lever to 6 tons. When no pressure is required, the machine may be used as a brushing frame only. For the purpose of steaming the fabric it is necessary to heat the roller, and to cover it with a thick felt. — "*Textile Manufacturer*."

The machine of *M. Hirst* is described in *Laboulaye's "Dictionnaire des Arts,"* etc., article "*Laine*," * vol. ii., ed. 1877.

Boomer & Boschert . . . "*Scientific American*," * xlii. 242.
"*Scientific Amer. Sup.*," * 2326.