Singeing-machine. A machine in which the fibrous down is removed from the surface of cotton cloth by passing it through a gas flame.

In the longitudinal section (Fig. 6098), a and c are two pairs of wooden cylinders covered with felt, between which the cloth is drawn and submitted to the action of a series of gas-jets issuing from the pipes b and b' at distances of about one eighth of an inch apart. These are supplied from the main pipe c by the branches d and d', provided with cocks by which the flames from the jets are so regulated as to coalesce and form a continuous line of fire. Brushes a and a' remove the singed fiber, and any sparks occurring are extinguished by the blocks e and e'. Above the cloth are two pipes f and f', each having a longitudinal slit at bottom and communicating with the large pipe g, which is exhausted by means of a fan.

Fig. 6098 shows Curtis and Marble's singeing for print cloths and all other fabrics for bleaching and finishing. It has a burn-