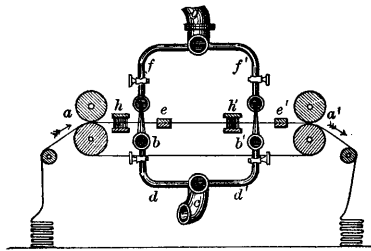


Singe'ing-ma-chine'. A machine in which the fibrous down is removed from the surface of cotton cloth by passing it through a gas flame.

In the longitudinal section (Fig. 5098), *a a'* are two pairs of wooden cylinders covered with fustian, between which the cloth is drawn and submitted to the action of a series of gas-jets

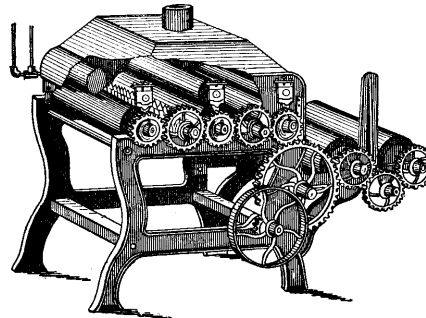
Fig. 5098.



issuing from the pipes *b b'* at distances of about one eighth of an inch apart. These are supplied from the main pipe *c* by the branches *d 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 *h h'* remove the singed fiber, and any sparks occurring are extinguished by the blocks *e e'*. Above the cloth are two pipes *f f'*, each having a longitudinal slit at bottom and communicating with the large pipe *g*, which is exhausted by means of a fan.

Fig. 5099 shows Curtis and Marble's gas-singer for print-cloths and all other fabrics for bleaching and finishing. It has a Bun-

Fig. 5099.



Singeing-Machine.

sen burner with fan-blower attached for supplying the air. It is made with from one to six sets of burners and a width to correspond to the shearing-machine.