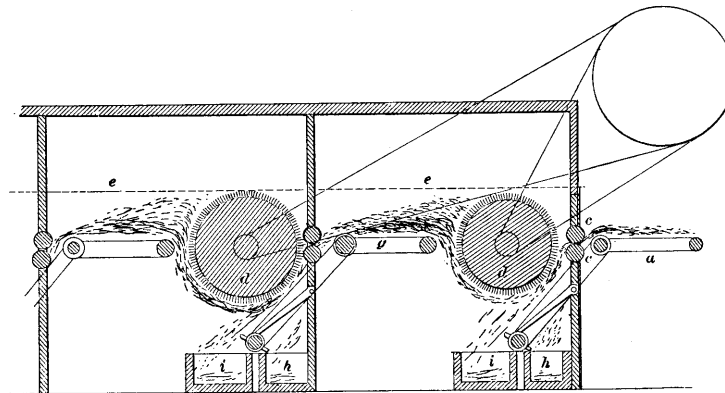


Blow'ing-ma-chine'. 1. One for creating an artificial draft by forcing air. See BLOWER.

2. (*Hat-making.*) A machine for separating the "kemps" or hairs from the fur fibers. The fibers are fed from an endless apron between rolls to a revolving picker in a closed chamber, which tosses the mass upwards against a horizontal gauze partition, through which the air escapes, whence they fall on to a second apron, which carries them to a second chamber, where this operation is repeated. The coarse and heavier hairs fall by their gravity into boxes in the bottom of the chamber. The operation twice or thrice repeated completes the separation, when the fur is ready for the forming-machine which makes the bat for felting.

Fig. 734 represents the ordinary fur blowing-machine.

Fig. 734.



Blowing-Machine.

The mixed fur and hair is placed on the endless apron *a*, and is fed into the rollers *c c*, which feed the rotating-picker *d*. This separates it, and tosses the mass up toward the wire-gauze screen *e*, which allows the air to escape, and causes the mass to fall on the second endless apron *g*, which carries it into the second apartment. While the disintegrated mass of fur has thus been passing through the first apartment, the heaviest and coarsest hairs and the dust have by reason of their weight fallen into the boxes *h i*.

The mass, on passing into the second apartment, is treated in a precisely similar way, and is usually conducted from thence into a third apartment, where it is operated on in the same way, and finally delivered in a fit state for manufacture.

3. (*Cotton-Manufacture.*) A part of the batting-machine, or a machine in which cotton loosened by willowing and scutching, one or both, is subjected to a draft of air occasioned by a fan, which removes the dust and other light small refuse from the fiber. See BATTING-MACHINE.