

Pad/ding-ma-chine! (*Calico-printing.*) An

apparatus for uniformly imbuing cotton cloth with a mordant in the process of dyeing.

The cloth is wound upon the roller *a*, and is kept tense by a weight passing over a pulley on its axis, and by the roller *b*. It passes through the dye-trough, under the roller *c*, and is pressed against the half-round stretcher-bar *d*, the face of which has diverging

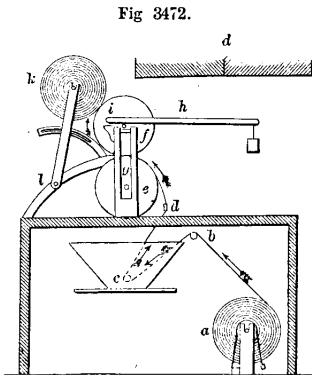


Fig 3472.

Padding-Machine.

grooves which stretch and smooth the cloth previous to its entry between the cylinders *e f*, which are covered with several thicknesses of cotton cloth. The journals of the roller *e* are fixed in the upright standards *g* on either side, while those of *f* admit of vertical movement so that its pressure may be varied by the adjustment of the weighted lever *h*, which is fulcrumed at *i*. The cloth passes obliquely between these cylinders, and is finally wound upon the roller *k* journaled in standards pivotally supported in the arc *l*, so as to allow for increase of size as the cloth winds upon the roller.