Padding-machine. (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 \(h\). 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 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 \(k\) juanmed in standards pivotally supported in the arc \(l\), so as to allow for increase of size as the cloth winds upon the roller.