Winding-machine. A reel, swift, warping-machine, or similar contrivance. See Balling-machine; Reel; Winder; etc.

Fig. 7220 is a machine designed to wind direct from the bank or skeln to the shuttle-bobbin. It has 30 spindles, rotated by bands which reach from the spindle-whirl to the long drum d, which is common to the whole set. The skeln are laid around two spools b c, the lower of which is dependent and keeps the skeln distended. The thread of the skeln passes upward to wire eyes d d, which are traversed back and forth over the bobbins so as to build up the thread symmetrically upon them. See also Winding-machine; Washing-machine, for machines for winding fabrics through vats.