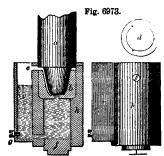
Ver'ti-cal Spin'dle-step.

Ver'ti-cal Spin'dle-step.

Fig. 6973 shows Dunklee's self-oiling step. a is the spindle; b, the step resting in the socket h, which has a chamber beneath communicating with the oil-chamber c, which is filled with the lubricant ascends through an aperture in the bottom of the step and through vertical grooves on its interior, shown at d, and, under the influence of centrifugal force, flows over the top of the step and back into the oil-chamber through the aperture c. The oil and sediment may be removed by unscrewing the plugs fg.

Great variety is shown in the steps for spindles of spinning-machines.



Dunklee's Self-Oiling Step for Vertical Spindles.