

In the **Roller Department**, of the Hartford New Works, situated on the ground floor of an extensive range of buildings, as many as 15,000 lengths, or 150 miles of rollers are fluted and finished weekly ; while in the department for mule carriages, the carriages made yearly would extend 25 miles, and contain $1\frac{1}{4}$ millions of spindles. Grinding shops, smiths' forges, millwright and loom shops, turning shops—one department alone containing over 400 lathes—meet the eye ; whilst in the packing case department over 5,000,000 superficial feet of deal are converted into packing cases annually. Next come the departments for the construction of drawing, slubbing, intermediate, and roving frames for the preparation of cotton sliver or roving ; and furthermore those for self-acting mules, and ring spinning frames for spinning the roving into yarn, and looms for weaving the yarn into cloth. Stores, packing rooms, case-hardening shops, brass foundries, and a multitude of lesser departments abound. Electric and hydraulic lifts, hoists, and other mechanical contrivances for facilitating or saving hand labour present themselves at every turn, nothing being done by hand that can be accomplished better or more easily by machinery.

Underneath the entire works is a complete electric car system or subterranean railway for convenience of transport, and communication between the different parts of the works.

The Werneth Spindle Works.—Adjoining the Hartford New Works are situated the Werneth Spindle Works, also owned by the firm, where nearly 1,500 workpeople are employed and where upwards of $2\frac{1}{2}$ million spindles and about 54 miles of tin rollers are produced yearly. Altogether this concern consumes about 50,000 tons of iron, and some 350,000 cubic feet of timber in its annual output of machinery.

To enumerate all the forms of machinery manufactured by Messrs. Platt Brothers & Company, Ltd., would be to review the whole range of mechanical construction in the textile industries. Opening, carding, combing, preparing, spinning, doubling, and weaving cotton, wool, worsted, silk waste, and asbestos machines are all turned out by the firm, in addition to seed cotton opening and ginning machinery. The specialities of the firm are many, chief among them being the cotton gin, hopper bale breaker, hopper feeder, lattice feeding machine, Crighton opener cylinder part, exhaust opener, cotton combing machine, worsted machinery on the French and Bradford systems, ring spinning frames for wool and waste, and Chapon's patent cup spinning