

NOTES.

If you put green coal close to the furnace doors and then press it away as it cokes, you will burn out the gases and dispel a nuisance that shows itself in several forms.—*The Safety Valve.*

The mechanic who does not possess a rudimentary knowledge of electrical matters, writes James F. Hobart in the *Northwestern Mechanic*, is out of place and there is little demand for his services at the present time. As the uses of electricity increase, the engineer must add to his knowledge of matters electrical, and this can only be done by study and by practical experience among electrical machinery.

It seems only a question of time, and not a very long time either, when electricity will play a most important part in every-day work in mill and factory. It does not require any great stretching of one's imagination to see a mill operated by electricity, each machine with its own motor, stopped and started independently of any other machine, and giving trade papers little chance for long articles on the proper methods of erecting and caring for shafting, hangers, belting, etc.

Wood-Worker.

An exchange informs us that the method of making an electrical connection to a governor of an engine in such a way that the engine could be instantaneously stopped on the pressure of a push button which was devised some time ago, has been found to work so well and to provide such a valuable addition to the provisions against accident, which are necessary where light bodies of machinery are constantly in motion, that in many factories these push buttons have been placed in convenient positions all over the floor in which machinery is working. In case of accident from any cause whatever, any person who happens to be nearest to one of the push buttons by pressing it can instantly bring the engine to a standstill. This device has already been the means of saving life where persons have become entangled in moving machinery.

THERE IS BUT ONE PORTLAND

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SPARKS.

A new electric light company is projected at Moncton, N. B.

The Miramichi Telephone Company is being incorporated at Chatham, N. B.

An incandescent plant is being installed by the Galt, Ont., Electric Light Company.

The Chatham Electric Light Company, Chatham, N. B., is being incorporated with a capital stock of \$20,000, for the purpose of establishing an electric light plant in that city.

Mr. Charles Myles, of Hamilton, who is endeavoring to form a company to build an electric railway from the eastern terminus of the Hamilton and Dundas Railway to Grimsby, touching at Bartonville, Stony Creek, and Winton, has secured subscriptions to the amount of \$75,000. The city of Hamilton will be asked for a bonus of \$25,000. The cost of the road will be \$175,000. The trolley system will be used. The intention is to locate the generating plant on the Welland Canal. Considerable revenue is expected from the carriage of fruit for the Hamilton and Toronto markets.

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