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Correspondence is invited upon all topics legitimately coming within the scope of this journal.

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The Sarnia Tunnel.

THE Great Northwestern Telegraph Company have removed once for all the annoyance and expense occasioned by the destructive action of acid upon their wires in the Sarnia tunnel, by enclosing them in a lead cable. Under the direction of Mr. A. B. Smith this new cable, encased in a wooden conduit, has been laid in a trench eighteen inches underground, alongside the railway tracks. The cable measures over 6,000 feet and weighs about 18 tons.

Steel Standards for Boilers.

ALL steel used for boilers of steamships constructed under Lloyd's rules is now required to have an ultimate tensile strength of not less than 26 tons, and not more than 30 tons per square inch of section, and the ultimate elongation must not be less than 20 per cent. in a length of 8 inches. It is to be capable of being bent to a curve, of which the inner radius is not greater than one and a half times the thickness of the plates or bars after having been heated uniformly to a low cherry-red, and quenched in water at 82° F.

Growth of Electric Lighting.

IN the towns and villages of Ontario it is gratifying to observe the rapid growth of electric lighting, both for public and private use. New plants are constantly being installed in places where coal oil and gas has heretofore been the only illuminants, and frequent extensions to circuits are rendered necessary by the growing appreciation of electricity in places where this system of lighting has been employed. While the greatest advancement in this direction has been made in Ontario, it is by no means confined to this province. Throughout the entire Dominion the outlook for the electric lighting business is somewhat encouraging. In the maritime provinces many saw mills have recently been equipped with isolated plants, by means of which night