

## SPARKS.

The village council of Dutton, Ont., have given a contract for electric street lighting, for five years, to the Dutton Electric Light Company.

The council of Blenheim, Ont., have advertised for tenders for electric lighting the streets, the contract with Smith & Henderson having expired.

Mr. M. W. Crean, superintendent of the Yukon Government Telegraphs, and S. B. Charleson, supervisor of Yukon Public Works, are inspecting the telegraph line which is being built northward from Quesnelle to Atlin, B. C., which, when completed, will give the Klondike region direct communication with Vancouver, B.C. Mr. Charleson states that he will have the gap between Quesnelle and Atlin spanned by November.

The New York Electrical Review characterizes the paper pre-

sented before the Canadian Electrical Association by Prof. Herdt and Mr. Archibald, on "The Conditions Affecting the Wave Form of Alternators," as one of particular interest at this time, because so little attention has been given to this highly important subject. It has been held by some eminent members of the profession that the matter of wave form is one of small importance, but no one observing the curious double and triple-frequency effects exhibited in some of the diagrams, can fail to see that under some circumstances wave form may be of vast and vital importance. This is particularly true when the conditions of long-distance transmission are considered, where the high-frequency components of waves may, and frequently do, start resonant effects that may be highly detrimental or even dangerous. The subject is one that is well worthy of more careful attention than it has yet received, and it is to be hoped that the work outlined in the paper will be carried on further and more fully.

Messrs. Joseph Simpson & Sons, of Toronto, have recently installed a complete, up-to-date plant throughout their extensive factories. All the wiring and machinery was installed by Strickland & Company, Toronto. The generator is a 25 k. w. Canadian m. p., and is complete with marble switchboard, etc. The same firm have just completed all the electric wiring in the new Technical School, and two of the finest residential jobs of wiring in the province, being that of Mr. James Kerr Osborne and Mr. Sutherland Macklem, both of this city.

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Scientific American, Oct. 14, 1899.

THE AUTOMOBILE MAGAZINE has at last come to hand and is the most thoroughly satisfactory periodical which we have seen in any language on the subject. It is of regular magazine size and has 111 pages. The quality of the articles is very high and the illustrations are of the best. Everyone who is at all interested in the automobile will find something in the new magazine which will interest him. Even the social side is far from being neglected, as there is an article on the recent floral parade at Newport and on the Automobile Club of France. The Automobile Index, which occupies some nine pages, is exactly what has been needed. On the whole the magazine is a most satisfactory one.

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N. Y. Evening Post, Oct. 9, 1899.

The new illustrated AUTOMOBILE MAGAZINE (New York: U. S. Industrial Publishing Co.) has a very attractive appearance, and is so varied in contents, without undue padding, that one wonders how the editor can fill his pages hereafter. Still, the list on page 101 shows that there is a considerable "foreign automobile press," and what foreigners can do in the way of furnishing "copy" to the printer, Americans can. The society feature of the new vehicle is brought to the front with news from the Newport festival—the driver, by the way, not always sitting on the left. There are competent-seeming book reviews, and some concessions are made to the general reader in comicalities of pencil and verse. The magazine seems free from bias.