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## LIGHT TRAMWAYS FOR THE NORTH WEST

In our March number we took occasion to urge the importance and neceseity of Tramways in rural districts and for opening up outlying districts and referred eapecially to the value of their adoption in our great North West country.

Since writting the article circumstances have more than confirmed the desirability of putting the Tramway. method into practical shape.

Our North West Rebellion has abundantly demonstrated the absolute necessity of some such suitable communication between our main line and the districts outlying and at present unfortunately so isolated.

We consider the seheme-well worthy the attention of the Government and capitalists and believe it to be a political, military, and commercial necessity.
The English Government have lately admitted a simailar conclusion in their Soudan and Egyptian campaign and it remains for Canadians to at once put a syytem of things in operation. This would bind all our Territories together as a unit.

## OUR REBELLION.

The capture of Riel has in a measure broken the resistance of many half-breeds and Indians, but it is atill a question to what extent the Reballion will be carried on by other tribes of warlike Indians.
The serious fighting which General Middleton and his troops had to go through was evidence enough that the Rebels had planned and calculated on'a long and stabborn resistance if not upon a successful issue.

The Battle of Batoche will, undoubtedly, notwithotanding its death roll, adorn the pages of Canadian History in favour of our gallant General and volunteers.
It is to be hoped that the Government of the day will mete out justice apeedy and effective to all those Who have plunged the country into noedlome war and expense with all ite attondant loes of valuable life.

One of the results of the present campaign will be to make Canadian's feel more confidence in their own strength and at same time, ahow that Fenians can have no hope or businees this side of the border.

The present troable more than demands that we ought to susiain a well equipped and efficient standing army of not less than 3000 men, bectuse it is notorious that smart young men have been taken from the ordinary walks of life, to quell every little distarbance that crops up.

In addition to an increase of mounted police it is now quite evident that more effectual methods will have to be employed to preserve the cafety of settlers and the different sapplies and stores situated all over our. North Weat Country.
Although the rebellion will retard immigration and settlement for a time, we think on the whole it will do good to Canada in proving her strength and importance.
Canada ought now to provide herself with all the appliances of modern warfare and eepecially thoee applianoes suited for Indian tactice:

## THE USES OF GLUCOSE.

Both glucose and grape sugar find extensive applications for a great variety of purpeses as subatitates for oande sugar or for barley. The most general purposee for which gluccee or ataroh sugar is used are :

1. For the manufactute of table syrup. This consiste of a nearly or quite colorless glucose, with as cufficient addition of cane sugar from the sugar refinery to give it the flavor and appearance of a highly refined molessen. The quantity of cane ayrup added raries from 2 per cent. up to 83 per ceant.
2. As a subetitate for barley malt in the brewing of alo or beor. This is really a substitation of Indian corn for barloy, but it constitutes a vary imperfect subetitute, as the corn, by the treatment employed in extruoting its starch for convernion into glacose, is completely deprived of all the nitrogenous bodies and mineral salts which it originally contained. Hence the glucose alone, which is simply transformod staroh, is subatituted for the entire barloy grain, with ite great variety of valuable constituente. This for not true, however, of the maltose produced from the entire corn by the action of the malt. This material contains all the soluble constituents of the corn, togethar with the additional substances which ato renderod solable by the action of the diantace of the malt.
3. As a subatitute for oane suger in confectionery.
4. For the adultaration of cane magar, to whioh it is added to the extent of twenty or more per cent.
As a eubotitute for cane sugar in camining traite and in the mannufecture of fruit jollies.
