

The opinion of an eminent Hydraulic Engineer, Mr. T. C. Keefer, has been obtained as to the feasibility of the project, and the comparatively moderate cost with which it may be carried out.

The water main would be a straight line from the Red River, at a depth of over seven feet from the surface (such being the depth at which the pipes are laid for railway water supply at Morris and elsewhere in Manitoba). This main would supply all farms to a width of two miles on each side, or four miles in all. These lateral supplies for individual farmers would be regulated by automatic shut-off stop-cocks, in receiving cisterns, about ten feet square, excavated in the blue clay. Each cistern to be supplied with a pump.

The water of the Red River runs deeply below the level of the prairie, in the course which it has worked out for itself. From the banks of the river the rise is very gradual, being about 20 feet in 10 miles, to the Lowe Farm.

These conditions are very favourable for the proposed hydraulic construction. And it may be added, the river bank lot on the east side of the base line, formerly used as a steamboat landing wharf, and situated in the best place for the building and pumping machinery on the bank of the river, is in the possession of the proprietor of the Lowe Farm, and has exceptional value for the purpose desired.

The estimated approximate cost of taking a water main and connections, over the area, above mentioned, from the Red River as far as the Lowe Farm, from informations to the present received, is about \$60,000. But this estimate might be altered with the character of the work. The expense of the considerable item of excavation may be very much modified by the use of the most approved methods of ditching for pipe laying in the conditions of prairie soil.

It is to be observed that investments for hydraulic supplies, for promoting colonization, in large tracts of country, which could not otherwise be settled, in the neighbouring United States, are no new feature. On the contrary, very