

required by the future city of Montreal, and that this is the time to determine whether that shall be, a canal constructed by crib-work in the river, enlarging the present canal, or an entirely new one.

The information now communicated in reference to the expense and difficulties of the two former, can hardly fail to convince an unbiased reader that the latter—a new canal—possesses advantages worthy of consideration, and is the work which should be looked forward to as an unavoidable necessity to secure a permanent and reliable water supply for this important city, during low water in winter months.

I do not claim the right to dictate or unduly influence action in any particular direction, yet I feel this paper would not be complete without an indication of the direction in which I would labour to accomplish what I believe necessary, and that would be what is offered for

FINAL CONSIDERATION.

1st. Secure the adoption of the best plan for a future and reliable supply of water, *i. e.*, A NEW CANAL AND RESERVOIRS.

2nd. The section of the canal from the Rock-cut to the river should be first made, and at once; also, one at least of the new large reservoirs should be finished for storing not less than 30 days' supply.

There is reason to believe, that notwithstanding the new entrance, the size of the aqueduct below the Rock-cut will be insufficient during low water, and for six or eight weeks of mid-winter, to pass the quantity required to work the wheels and pumps. At such times it would be much safer to use the steam engine than to risk drawing down the ice by so heavy a consumption of water as depending on the wheels, to give the supply, would require. Furthermore, a reserve of thirty days' supply might save the city from trouble during the delay which may occur between completing the new entrance and continuing the new canal to the Wheel-house.

3rd. The increasing demand for water is likely to require, that as soon as the first section of the new canal and the first large reservoir are completed, the second section of the canal from the head of the Rock-cut to the wheel house should be com-