

COMPARISON WITH OPERATION IN CANADA.

In Canada, for the first two seasons, it would be imprudent for any factory to contract with farmers for the purchase of the full quantity of beets required for the whole season's capacity of the works, as allowance should be made for stoppages incidental to the working of new machinery. Much also has to be learned as to the best methods of storing and preserving beets; and the extension of the time to which it would be safe to venture in their preservation would be gradual. It is likely that any new factory erected in Canada will be of a capacity for working 500 tons of roots in each 24 hours. There are certain fixed charges which will be incurred, all of them as heavy, or nearly so, in working 30,000 tons as for 50,000 tons, viz.:—fire insurance, wear and tear, repairs, renewals of buildings and machinery, annual salaries for skilled operatives and officers of the company. A careful calculation made by an expert, shows that these expenses in working only 30,000 tons of roots will be greater than when working 50,000 tons, by an amount equal to, on every 100 lbs. of sugar produced.....		\$ 45
The cost in Germany for coal is much the same as in Canada. The cost in Germany for labor in the factory per ton of beets (2,000 lbs.) is 44½ cents, and for miscellaneous expenses 87 cents, the two items together being \$1.31½ cents. In Canada these expenses for wages, materials, skilled operatives, etc., would be fully 50% higher, this excess being 66 cents per ton. Allowing beets in Canada to yield 10 per cent. of sugar, the increase in cost is equal to per 100 lbs. of sugar.....		33
In Germany 12 lbs. of sugar are obtained from 100 lbs. of beets. In Canada, for some years, only 10 lbs. is likely to be obtained. With cost of sugar at \$2.60 per 100 lbs., this is equal to a loss per 100 lbs. sugar.....		43
Excess of cost in Canada per 100 lbs. sugar.....		\$1 21
The capital required for a 500 bu. factory in Germany is about one million marks (nearly \$250,000). With money there at 4% interest, this is per annum.....		\$100,00
In Canada, \$400,000 of capital would be required, which, with interest at 6%, forms a charge per annum.....		24,000
Excess in Canada.....		\$13,000
On 3,000 tons sugar first year, is equal to per 100 lbs. sugar.....		23

\$1 44