

general description of the route. And the accompanying "Location Plans and Profiles" of the different sub-divisions of the line, will serve to illustrate the details of location, so far as relates to alinement, gradients, and the general character of the work.

The location, plans and profiles are arranged to represent the different sub-divisions of the line, in the following order:

- No. 1, from Quebec to Paradis' Summit—Sections 1 to 18 inclusive.
- " 2, from Paradis' Summit to River Portneuf—Sections 17 to 33 inclusive.
- " 3, from River Portneuf to St. Casimir Road—Sections 33 to 44 inclusive.
- " 4, from St. Casimir Road to the St. Maurice River—Sections 45 to 76 inclusive.
- " 5, from the St. Maurice River to Berthier—Sections 77 to 116 inclusive.
- " 6, from Berthier to Montreal—Sections 117 to 158 inclusive.

The sectional divisions, upon the location plans and profiles are intended, so far as the proper distribution of materials will permit, to average one mile in length. And the numbers of the respective sections will therefore represent, very nearly, the distance from the West end of that Section to St. Paul's Market, or the initial point in Quebec.

## II.—ALINEMENT AND GRADIENTS.

An analyses of the Location Plans and Profiles, above referred to, will show the following results:

	<i>Miles.</i>
1—Total length of the Main Line.....	158 $\frac{2}{3}$
2—Length of straight line, or tangents.....	143 $\frac{2}{3}$
(Equal to 90 per cent. of the Main Line.)	