

PRINCE RUPERT SECURITIES, LTD.

situated all the cities and the principal towns in Eastern Canada, among the former being Windsor, London, Hamilton, Toronto, Montreal and Quebec. Not only are these advantages confined to Canada, but situated on this great railway system are also the large cities of Chicago, Detroit, Toledo, Buffalo and Portland in the United States.

From the Atlantic to the Pacific the railway will be the best on the continent so far as grades, curvature, etc., etc., are concerned, but of especial interest to us will be some facts and figures in connection with the route across the mountains from Edmonton, Alberta, to PRINCE RUPERT.

The Company have had a large staff of engineers in the field extending over a period of three years, and after making exhaustive surveys, have selected the route by the Yellow Head Pass, whereby a maximum gradient of only four-tenths of one per cent., or a rise of twenty-one feet in the mile has been obtained against eastbound traffic for the entire distance between Edmonton and the Coast, and but five-tenths of one per cent., or a rise of twenty-six feet in the mile has been obtained against westbound traffic, which can, perhaps, be better understood when it is borne in mind that this is no greater than the extremely low grades which have been obtained through the level country on the Prairie section. In crossing the Rocky Mountains but one summit is encountered, the maximum altitude of which is only 3,712 feet. These remarkable conditions exist in this northern locality on account of the fact that the ranges of mountains along the western portion of the American continent, which have their origin in Mexico, reach their maximum altitude in the region of the fortieth parallel of latitude, from which they gradually recede to the north.

No better illustration of these physical conditions could perhaps be given than a comparison of the summits and gradi-