

No. 2.—ACROSS ALLUMETTE ISLAND.

A line at this point will require—

1. A crossing from the Quebec shore to Allumette Island..... 500 feet.

Where a draw is required.

2. The crossing from Allumette Island to Morrison's Island, about1200 feet.

However in the centre of the stream an island of about 150 feet in width intervenes. It is in this locality where the Allumette rapids run. It is not frozen over in winter, consequently the depths could not be obtained.

3. The so-called lost channel, about 400 feet across.
4. Beckett's Channel, about 150 feet.
5. The crossing at Hazely's Bay, about..... 300 feet.

The work, too, will generally be heavy at the approaches and at the intermediate points.

No. 3.—LA PASSE

Is approached by level banks about eighteen feet in height above low water. The stream rises about ten feet. The total length is 1,069 feet; 400 feet of this distance has less than eight feet depth of water. The remaining distance runs from eighteen feet on either side to a maximum depth of twenty-eight feet, which greater depth extends over about 150 feet.

A draw is here required, as the site lies within the limit of navigation between Havelock and the Chapeau. Four or six times in the twenty-four hours, however, may be considered the extent of its possible requirement.

No. 4.—PORTAGE DU FORT,

Is approached by a bridge of 100 feet in width, and the Railway line crosses an island of extremely irregular surface of metamorphic rock. The main bridge may be set down at 820 feet, the two centre spans being each 150 feet, with five spans of 100 feet. The water in the centre channel is from fifteen feet to twenty-three feet in depth. The remaining distance is somewhat shallow, rocks protruding at intervals, some of which can be made serviceable. No draw is here required.

Hence, it can be inferred that on the question of Bridging the choice entirely lies between Portage du Fort and La Passe.

2. On the point of distance the theory has been promulgated that the connection between Montreal and Quebec and the future Pacific Railway will be considerably lessened by a line running direct to Dooney's Bay.