

SURVEYS.

Statements of Consulting Engineer and Engineer in charge.

MR. WISNER'S STATEMENT,

Ottawa, March 7th, 1902.

The Montreal, Ottawa & Georgian Bay Canal Co., Ottawa.

Gentlemen—In compliance with your request for a statement relative to the data on which plans and estimates of cost of the proposed Montreal, Ottawa and Georgian Bay Canal have been based, I have the honor to state that there are accurate surveys covering practically the entire route, made under the direction of some of the best hydraulic engineers of this country. The fact that the earlier surveys were made by such able engineers as Mr. Walter Shanly and Mr. T. C. Clarke is a sufficient guarantee that the data is absolutely reliable. Thorough examinations have been made of the maps and records of those surveys, and so far as suitable they have been used in making plans for a waterway twenty feet deep, and where not sufficient for such purposes additional surveys and investigations have been made, so that an accurate map of the proposed waterway has been completed, and a profile constructed showing the elevations of the water surfaces of the different reaches of the canal, and the elevations of the earth and rock where excavation is necessary. In making these later surveys, some of Mr. Shanly's benchmarks were found, the elevations of which closely agreed with the earlier determinations.

From the maps and profiles of the proposed waterway the amount of earth and rock to be excavated has been computed and the cost of doing the work determined. The unit prices used are based upon the experience of some of the most successful contractors in Canada and in the