

"SANGUET TACHEOMETER"

FOR

PRECISION LEVELLING.

DEPARTMENT OF PUBLIC WORKS, CANADA,

CHIEF ENGINEER'S OFFICE, OTTAWA, 30th July, 1898.

E. F. E. ROY, Esq.,

Secrétaire, Public Works Dept., Canada.

SIR,—I have the honour to transmit herewith a Memo. with illustrations, on the self-reducing Sanguet Tacheometer as adapted by me to precision levelling with aid of a new Geodesic Rod.

As you are aware, the purchase of one of these perfected tacheometers, modified in accordance with the views I communicated to Mr. Louis Coste, Chief Engineer of the Department, under date of April 16th, 1896, was upon his recommendation sanctioned by the Honourable the Minister, in the fall of 1896, and accordingly an order for the instrument was sent by me to Cabasson, of Paris, at the end of December of the same year. Owing to various delays caused principally by the unavoidably long correspondence I had to carry on with the maker and the inventor himself, Mr. Sanguet, relative to the projected modifications and additions to the original model of his invention, and difficulties experienced in making the said alterations, the improved tacheometer with its accessories reached Ottawa only in the ensuing September (1897). Again, the new geodesic rod I devised for use in connection with the modified self-reducing tacheometer, could for various reasons too long to enumerate, not be satisfactorily completed before July, 1898. Hence the reason for not submitting this Memo. to you at an earlier date.