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help as would be required. In this way, no accounting office was organized and all work in regard to the payment of accounts was performed by the accountant's branch of the department.

In order, however, to derive all the benefits conferred by a Board of Advisory Engineers on all works of great importance and of unusual character, it was understood that the chief engineer, the engineer in charge of the survey and the district engineers, would form a nominal board to discuss all matters pertaining to the work, decide as to the general lines of the canal, size and character of locks, depth and width of channels, curvature, unit prices to be applied to quantities, &c., &c., a conclusion to be reached only after the fullest discussion. This was with a view of giving more weight to the project as elaborated, more value to the final report and the estimate of cost.

STAFF AT HEAD-QUARTERS.

The special staff at head-quarters was constituted as follows:—

- The engineer in charge.
- Three district engineers, inside and outside service.
- One assistant engineer.
- One secretary.
- Force of draftsmen, under charge of a chief draftsman.
- One store-keeper.
- Force of typewriters and clerks as required.

As no space was available in the departmental buildings, offices were secured elsewhere.

DIVISION OF TERRITORY.

The territory to be surveyed was divided into three districts, designated as 'Montreal,' 'Ottawa' and 'Nipissing,' each in charge of a district engineer with head-quarters in Ottawa.

Each district was sub-divided into three or more sections, each in charge of a sectional engineer, who generally had under his control, two assistant engineers, two rodmen, two chainmen, one foreman and seven or more labourers, according to the requirements of the work.

The original number of surveying parties placed in the field was nine, but this was increased subsequently, by the addition of a precise levelling party, three test boring parties, one hydraulic investigating party and one party for Lake Nipissing and canal feeder surveys.