

# THE CIVILIAN

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## Mapping an Empire

### Topographical Surveys, 1913.

About sixty-five surveyors will be engaged this season on the survey of Dominion lands under instructions of the Surveyor-General. The surveys on which they will be employed may be classed under the following heads:

1. Survey of base lines and initial meridians.
2. Township subdivision, retracements and resurveys.
3. Stadia surveys.
4. Levelling.
5. Interprovincial boundary surveys.
6. Inspection surveys.

The lists accompanying this statement give the names of the surveyors, the nature of the survey on which they are engaged and the location of their work.

1. *Meridians and base lines*: Six surveyors will be engaged on the survey of base lines and initial meridians. As all subsequent surveys are based on the proper location of these lines, these surveys form a very important section of the work under the direction of this branch. In addition to the accuracy required, difficulties are added to the prosecution of these surveys by the fact that they are, as a rule, located in districts at a considerable distance from any settlement.

2. *Township subdivision and retracements*: About thirty-one surveyors will be employed in subdividing townships and about seven in retracements and resurveys. These retracements or resurveys are rendered necessary owing either to errors in the original survey or to the fact that in some cases the monuments marking the older surveys have disappeared or have become obliterated.

3. *Stadia surveys*: The twelve surveyors in the accompanying list will be employed in the prairie regions on the stadia survey of lakes and ponds that have gradually been drying up, and of rivers that have changed their courses. These surveys are undertaken for the purpose of amending the official plans of the townships so that they may represent all lakes, ponds and rivers as they are at the present date, and give the correct area of land available.

4. *Levellings*: Levelling operations will be under the direction of Mr. J. N. Wallace, whose office is in Calgary. He will be assisted by Messrs. E. W. Berry, L. O. R. Dozois and L. E. S. Bolton.

5. *Interprovincial boundary surveys*: The survey of the boundary between British Columbia and Alberta will be continued this season. This survey was begun at the request of the Province of British Columbia and