

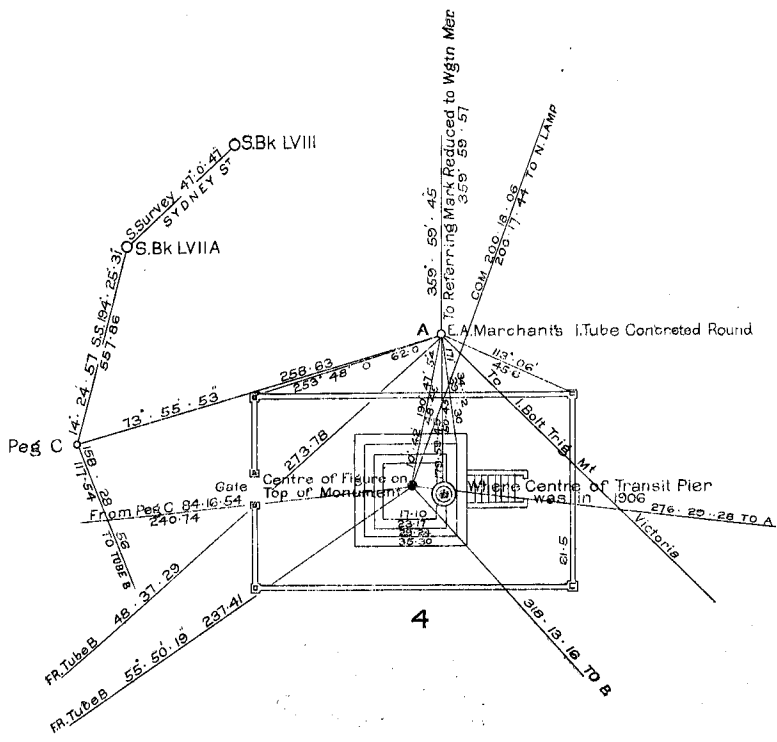


Diagram No. 4 shows the connection of the old Wellington Observatory with the standard survey in Sydney Street and Bolton Street, also the position of the Seddon Monument with reference to the situation of the transit pier in 1906.

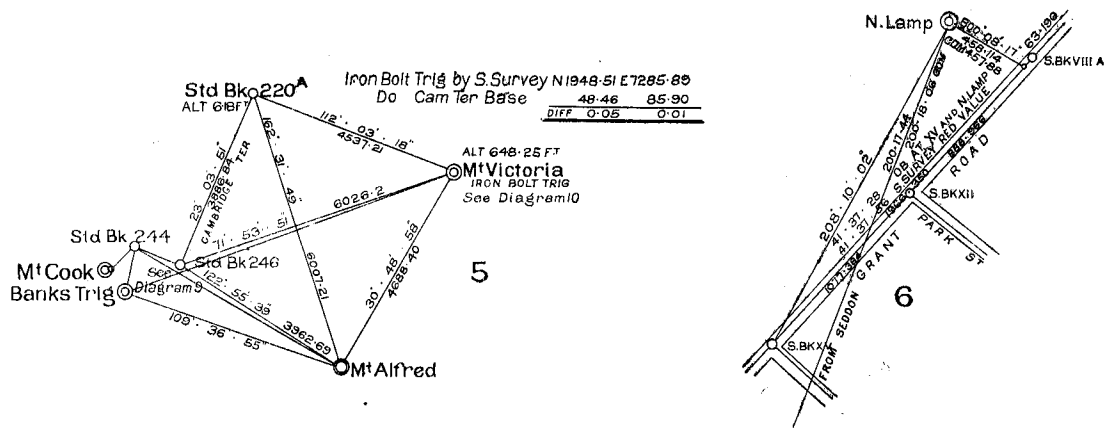


Diagram No. 5 shows the standard survey traverse line in Cambridge Terrace adopted as a base-line for connections with Victoria Flagstaff. This was done to check the distance between Mount Cook and Flagstaff, also to obtain the correct altitude of the latter by connecting with the bench-mark close to Block 220A.

The differences made in the co-ordinates at Mount Victoria Flagstaff were—North, 0.05 link ; east, 0.01 link ; and in altitude, 0.25 ft. from my values in 1881.

Diagram No. 6 shows connection of North Lamp with the standard survey.

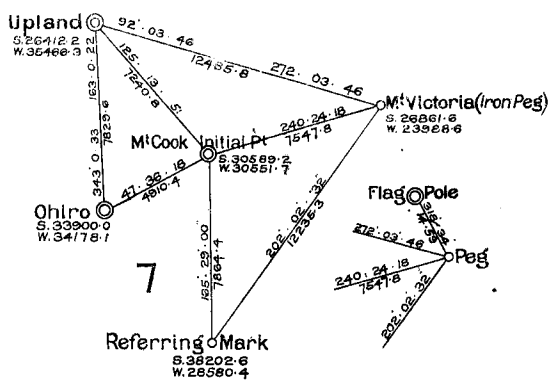


Diagram No. 7 shows the triangulation by which the position of Mount Cook Observatory was fixed by J. W. A. Marchant, January, 1877. On this diagram there is a note showing how the variation of 14° 31' 27.5" was arrived at, which has to be added to Jackson's original triangulation (which was on a magnetic meridian) to reduce it to the true meridian of Mount Cook.