1901 to 1903 assistant to J.O. Sullivan Metallurgical Chemist and to W. De Lespor Manufacturing Chemist Both of Vancouver. B.C.. April 16th to Sept/03 Chief Chemist Van Anda Copper & Smelter. T.J. Vaughan Mgr. Manager. Leaving to accept position of Chief Metallurgist to the Tacoma Boy Mining and Milling Co. Tacoma County. Eugene. On. U.S.A. property closed May 16/04 - Went direct to Trail B.C. as first Asst Chemist to War Eagle Cyanide Extraction plant. Graham Cruickshank. Chief Chemist. Leaving to accept position of Chief Metallurgist to the Kamloops Mining Co. Kamloops B.C. remaining until this Co. from Dec 1st/04 to Sept 7th/06. during my term of office built this Co. a Complete Cyanide Plant Chambers and operated for nearly two years the 50 ton Hot Blast Pyritic Smelter. Capt J. Arnall. Managing Director.