

Feb. 27, 1887; s. Michal Heggelund and Anna (Jensen) Foslief; M.E., Univ. of Kristiana. Asst geologist 1900-12, State Mining Geologist since 1912; sectional leader scientific and prospecting expedition to Mongolia, 1917; made several trips in Europe, America, Asia for various pvt firms. Author: "The Titaniferous Iron Ore Field of Ramsøy" (1914); "Mines and Mining" (1920); "The Norite Field of Raana" (1920)—all in Year Book, Geol. Survey of Norway; "Petrographical Studies in Northern Norway, bearing on Magmatic Differentiation" (Journal of Geology, Chicago), 1921. Mem. Geol. Soc. of Norway (pres.), Norwegian Inst. of Mining Engrs (mem. Mng Com.), A.I.M.&M.E., Polyteknisk Forening (Kristiana).

**FOSTER, Alden W.**, 461 Atlantic Av., Pittsburgh, Pa.

Petroleum Engr; b. Pittsburgh, Pa., Oct. 26, 1897; s. James L. and Anne (Whren) Foster; gen. scientific course, Shadyside Acad., 1915; Ph.B., Yale, 1919; petroleum eng., Univ. of Pittsburgh, 1920; Delta Phi. Appraiser, Johnson, Huntley & Somers, June-Oct., 1920; pvt appraisal engr since 1920. Co-author (with R. H. Johnson): "Well Costs and Barrel Costs" (before Am. Assn Petroleum Geologists), 1920; co-author (with Glenn H. Alvey): "Barrel-Day Values," A.I.M.&M.E., 1920. In Am. Ambulance Service, 1917; 2nd Lieut, Air Service, U.S.A., 1917. Mem. A.I.M.E., Am. Assn Petroleum Geologists. Club: St. Elmo. Republican.

**FOSTER, Clark Harold**, care Tolhurst Machine Works; res. 31 Belle Av., Troy, N. Y.

Pre. and Gen. Mgr; b. Hokah, Minn.; s. Jacob T. and Sarah (Pidge) Foster; desc. from Isaac Foster, who came from Exeter, England, in 1636; ed. public schools of Chicago and pvt instrn; m. Chicago, Ill., Dec. 13, 1884; children: Helen K., Eleanor W., John K. Bookkeeper in mercantile establishments, 1877-80; apprentice 1880-82, draftsman 1882-88, C. R. I. & P. Ry machine shops, Chicago; draftsman 1889, correspondent, Fraser & Chalmers, Chicago, 1889-91; sec.-gen. mgr, Geo. L. Thompson Mfg Co., Chicago, 1891-1901; treas., W. E. Tillotson Mfg Co., Pittsfield, Mass., 1902-06; pres.-gen. mgr, Tolhurst Machine Works, Troy, N. Y., since 1906. Mem. A.S.M.E., Soc. Engrs of Eastern New York. Mem. Sons of the Revolution. Recreation: Yachting. Clubs: Troy, Rotary, Albany Yacht, Troy Motor Boat and Canoe, U. S. Power Squadron.

**FOSTER, Dean Edward**, 243 Lynch Bldg; res. 901 S. College Av., Tulsa, Okla.

Cons. Petroleum Engr; b. Preston, Iowa, Dec. 5, 1883; s. George Dalphin and Elizabeth (Dean) Foster; ed. Preston (Iowa) High School, Iowa

Capacities" (A.S.M.E. annual meeting), 1921; "Research on Water Carrying Capacities of Wood Stave Pipes," used in irrigation and water power work, and developed formulas and charts for solution of problems relating to same. Mem. Mid-Continent Oil and Gas Assn, Tulsa Chamber of Commerce; mem. local Y.M.C.A. Educational Com.; mem. A.S.M.E. Recreations: Tennis, handball, volleyball. Club: Tulsa City. Independent in politics. Congregationalist.

**FOSTER, Ernest Le Neve**, 202 Masonic Temple; res. The Perrenoud, Denver, Colo.

Mining Engr; b. London, England; s. Peter Le Neve and Georgiana Elizabeth (Chevallier) Foster; the Le Neve family were probably Norman, and the family, dating back to 1399, has a royal pedigree through Edward 1st; the Chevallier family were Huguenots; Lord Kitchener's mother and the mother of Ernest were first cousins; ed. pvt schools, the Royal School of Mines, London, and completed edn in the School of Mines, Freiberg, Saxony; m. 1st, Central City, Colo., Mar. 20, 1876, Charlotte Teal (deceased); 2nd, Chicago, Ill., Feb. 20, 1909, Marion C. Fulton, nee Wright; children: Bernice Le Neve (d. 1880), Oscar Le Neve (1878). Asst reduction officer, Pestarenao Gold Mines, Val Anzasca, Piedmont, Italy, 1869; for last fifty years manager of many mines in Colorado, especially the Colorado Central at Georgetown, the Pennsylvania in Summit Co., the Saratoga at Central City; pres., Lancaster Mining Co., Liberty Mining Co., Roanoke Mining and Milling Co. Has presented papers before the Colorado Scientific Society on mines and minerals. State Geologist, Colo., 1883-84; alderman, Georgetown, Colo., 6 yrs; county commr, Clear Creek Co., Colo., 6 yrs; county surveyor, Clear Creek Co., 2 yrs. Mem. A.I.M.E., Colo. Scientific Soc. (thrice pres.) Sec. and treas. Colo. Masons' Benevolent Fund Assn. Mem. all branches of Masonry (Grand Master of Colo., 1890). Republican. Episcopalian.

**FOSTER, Frank Augustus**, Shanghai, China.

Mech. Engr; b. Templeton, Mass., April 10, 1860; s. William Hale and S. Maria (Clark) Foster; grad. Orange (Mass.) High School, 1879; B.Sc., Worcester Poly. Inst., 1882; m. Providence, R. I., Dec. 19, 1889, Bertha Frances Miner; one dau., Constance H. Draftsman, A. M. Powell & Co., Worcester, Mass., 1882; chairman, C. P. R., Manitoba, 1883; in charge of pattern and foundry work, Wabash Ry, Springfield, Ill., 1884; draftsman, Crompton Loom Works, Worcester, Mass., 1885-86; draftsman, Holyoke (Mass.) Machine Co., 1886-87; tool designer, Wardwell Sewing Machine Co., Woonsocket, R. I., 1888-89; head draftsman, New York Air Brake Co., Wattertown, N. Y., 1890-92; cons. engr 1892-93, head draftsman and supt, Ingersoll Rock Drill Co., Montreal, Can., 1894-1900; tool designer, Bridge-