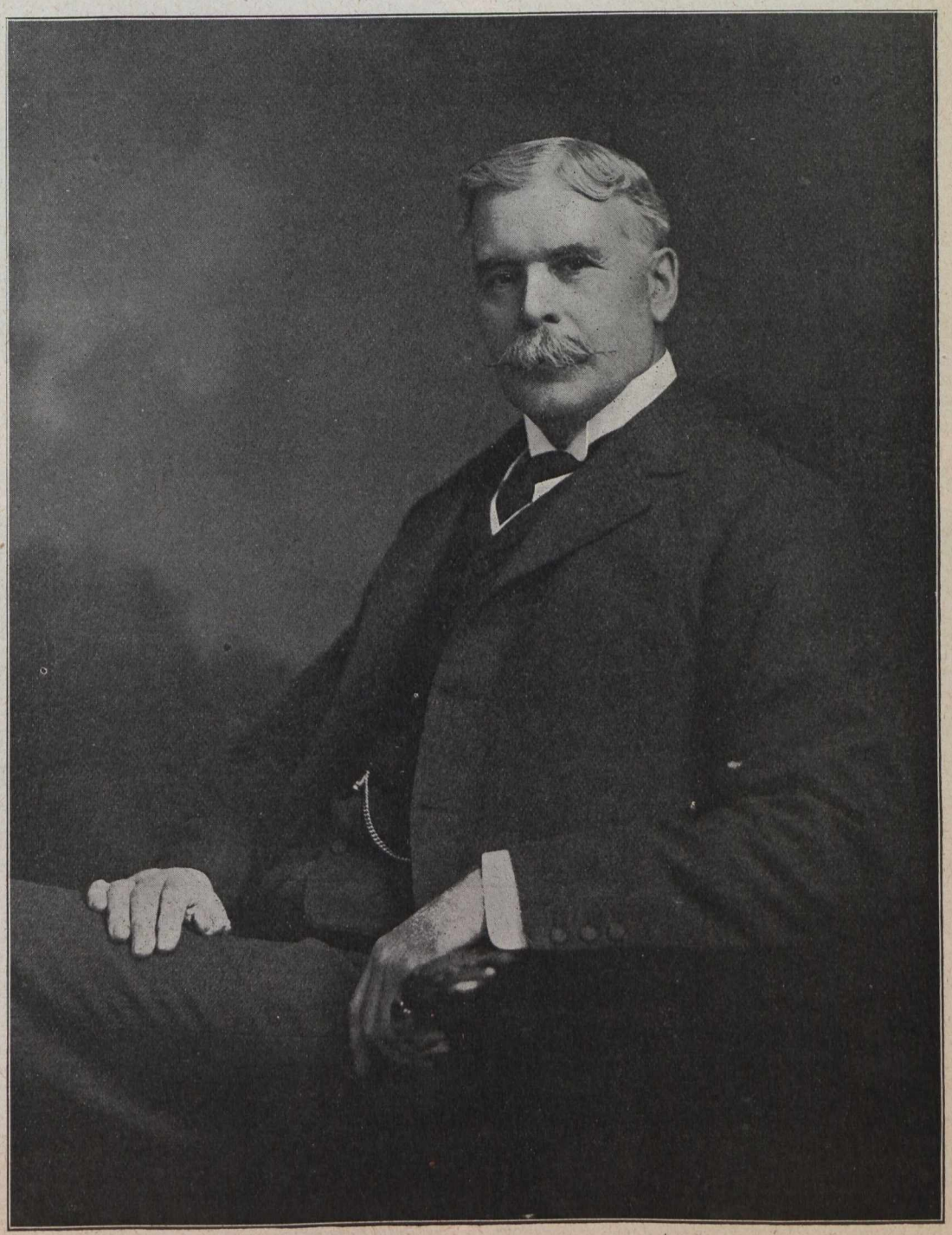
of water thus developed is 25 feet. Power is developed by two Smith-Morgan, 39-inch turbines working under a head of 18 feet and provided with 7-foot draft tubes. Electric power is generated by means of a 360 k.w., 2,200-volt, 3-phase, 60-cycle generator revolving at a speed of 360 r.p.m. The electric current is transmitted at 220 volts over the line to the shaft house, a distance of about a mile.

At the shaft house a 150 h.p., 3-phase, 2,200-volt motor drives a class D-2 Ingersoll-Sergeant duplex air compressor with compound air cylinders and vertical intercooler. The capacity of the compressors is 925 cubic feet of free air per minute and it revolves at a speed of 120 r.p.m. A 50-h.p., 3-phase, 2,200-volt motor drives a 30 h.p. double drum hoist manufactured by the Denver Engineering Company. The mill building is situated about one-fourth of a mile east of the shaft and contains 20 stamps. The rock breaker and stamps are driven by a 50 h.p., 3-phase, 2,200-volt motor.

The ore is almost entirely free milling, as is usually the case with Nova Scotia gold ores, and a high extraction is secured by amalgamation in the battery and on the plates so that no concentration or cyanidation is carried out on the mill tailing.



J. H. PLUMMER, President Dominion Steel Corporation.