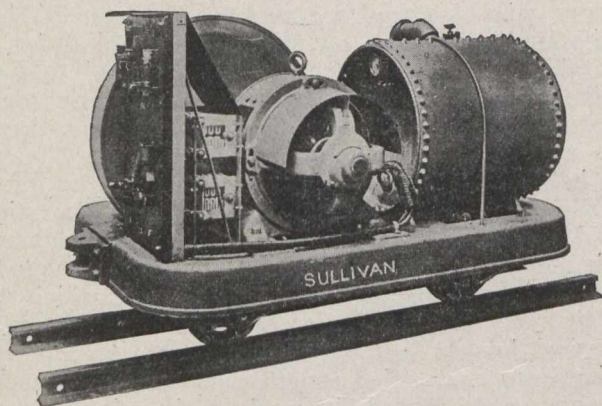


### A PORTABLE MOTOR OPERATED COMPRESSOR.

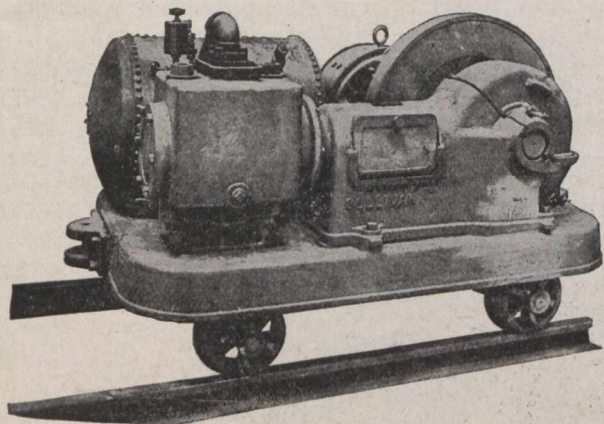
The small motor driven air compressor illustrated herewith is exceedingly useful in mines, industrial plants, etc., for supplying air for rock drills, hammer drills, pneumatic tools, coal pick machines and post punchers.

The complete unit is mounted on a truck of any desired wheel gauge and comprises a 15 h.p. Westinghouse electric motor, the air compressor, a storage tank and a motor starting rheostat.



The motor is of the damp proof type and will operate successfully in the wettest portions of the mine. It is supplied for either alternating or direct current.

The receiver is made of plate steel and is tested to withstand 100 pounds air pressure. With it are furnished a pop safety valve, pressure gauge, and blow off or drain cock.



The construction of the air compressor is very substantial. The bearings are all adjustable and removable. The cylinder is lubricated by a light feed air cylinder lubricator and the crank shaft and crosshead by the splash system. An unloading device on the air inlet valves saves energy when the demand for air is less than the output of the machine.

This compressor is manufactured by the Sullivan Machinery Co., Chicago.

### PERSONAL AND GENERAL

Mr. B. B. Hood, formerly mill superintendent at the Moose Mountain mine, is now at Chrome, New Jersey.

The Pittsburg meeting of the American Institute of Mining Engineers will be held at the Hotel Schenley, October 8, 9 and 10, 1914.

Mr. H. C. Hoover has accepted the temporary chairmanship of Camp Bird, Ltd., and the Santa Gertrudis Co. Mr. R. J. Frecheville has resigned his position as director of the companies and assumes the chairmanship of the technical committee. Messrs. F. A. Govett

and F. H. Hamilton have joined the boards of both companies, and Messrs. Norman Craig and George de Pass have joined the Santa Gertrudis and Camp Bird boards, respectively.

Mr. Geo. P. Schubert has been appointed assistant professor of mining and civil engineering at the Michigan College of Mines.

Mr. Morton Webber is at Porcupine examining the McIntyre mine.

The Sixth International Congress of Mining, Metallurgy and Geology, to have been held in London, July, 1915, has been indefinitely postponed.

Professor E. S. Moore, M.A., Ph.D., professor of geology and mineralogy at the Pennsylvania State College, is on a visit to Australia.

Mr. T. Walter Beam has returned to Denver, Colorado, after having been at Hedley, Similkameen, B.C., for some time, supervising exploration with the diamond drill of mining property situated near Hedley and held by the New York Syndicate No. 2, which includes leading shareholders in the Hedley Gold Mining Co.

Mr. W. M. Brewer, of Victoria, B.C., after having investigated mining conditions in Skeena district, visited Graham island of the Queen Charlotte group. He will report to the British Columbia Department of Mines on both parts of the Province, in which he has been engaged for several months.

Mr. Frederick K. Brunton, for about two years assistant superintendent at the British Columbia Copper Co.'s smelting works at Greenwood, Boundary district, recently left that place for Anaconda, Montana. He is a son of Mr. D. W. Brunton, of Denver, Colorado.

Mr. George A. Clothier, for some time superintendent of the mining property of the Indian Mines, Ltd., in Portland Canal mining division, British Columbia, is now engaged, with a brother, in operating under lease a silver-lead mine near Hazelton, Omineca mining division.

Mr. Newton W. Emmens, of Vancouver, has returned to the Coast after having spent the summer in the neighborhood of Fish river and the adjacent Lardeau country, obtaining information for a report to the British Columbia Department of Mines.

Capt. A. Fournier, of Kaslo, B.C., until recently manager for the French company that owned the Cork mine and concentrating mill on the south fork of Kaslo creek, has left British Columbia for France, to rejoin his regiment and take part in the European war.

Mr. Fletcher T. Hamshaw, formerly manager for the Pittsburg-British Gold Co., operating a placer gold mine on McKee creek, Atlin, B.C., has this season been working about one hundred men on the James claims on Bonanza creek and Little Eldorado, in the Chisana (Shushanna) gold field, Alaska.

Mr. F. August Heinze has been in British Columbia several weeks. He is interested in mineral claims in Franklin camp, Boundary district, and in a large area of land which is part of the grant made by the British Columbia Government some years ago to the Columbia & Western Railway, from Trail westward through the Boundary country.

Mr. Frederic Keffer is back in Greenwood, B.C., after having been at Clifton Springs, New York, and other places in the United States.

Lieut.-Col. R. G. Edwards Leckie, of Vancouver, B.C., accompanied one of the volunteer regiments of that city to Valcartier, Quebec, en route to Europe to take part in the war on the Continent.