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#### LITERARY NOTES.

*Mining News*, H. Bragg, Board of Trade Building, Montreal, is another claimant for recognition which has appeared before the public. *Mining News* is not a technical journal, but rather what its name implies, a medium for presenting to those interested the latest reports about the properties under development in different parts of Canada, chiefly, however, to give news about Roseland and the British Columbia mines, it would appear. Issued weekly, \$2.00 per annum.

We have been favored with copies of the announcement of Lehigh University, South Bethlehem, Pa., which set out fully the work covered and the very full equipment provided for the different courses in the liberal arts and scientific courses. The Lehigh University offers the following courses:—In General Literature. The Classical course, the Latin-Scientific course, the course in Science and Letters. In Technology. The course in Civil Engineering, the course in Mechanical Engineering, the courses in Mining Engineering and Metallurgy, the course in Electrical Engineering, the course in Analytical Chemistry, the course in Architecture.

*The Ledge*, New Denver, B.C., thus presents itself with all the added grace which varied type and red paper can be thought to afford. "Fellow pilgrims all! *The Ledge* is located at New Denver, B.C., and can be traced to many parts of the earth. It comes to the front every Thursday, and has never been snowslidged by cheap silver or raided by the sheriff. It works for the trail blazer as well as the bloated and chicken-fed capitalist. It aims to be on the right side of everything, and believes that hell should be administered to the wicked in large doses. It has stood the test of time, and the paystreak is growing wider. The annual assessment is only \$2, and no palace, cabin or shack is complete without it. A vein of job printing is worked for the benefit of humanity and the editor. Come in and see us, but do not step on the fighting editor's bull pup, he is small, but savage. R. T. Lowery, editor and financier."

"Citizenship and Technical Education," an address delivered on Founder's Day, before the Lehigh University, by John H. Converse, A.B., of Philadelphia, is an exposition of the claims of those who very rightly press for the recognition of technical scientific training as true education. Among other bright things Mr. Converse says: "At a time when the ruling interests of the country were agriculture and the products of the forest and the sea, a col-

lege curriculum moulded in mediæval form was sufficient. But with the development of mines and manufactures of every kind, and the extension of new conditions of life, a different training was demanded."

#### CATALOGUES.

An illustrated catalogue of Case's Perfected Outward Thrust Propeller Wheels has reached us, in which we notice a number of testimonials from Canadians. A. Wells Case, Highland Park, Conn.

The *Scientific American* Hand-Book is a most valuable pamphlet, being a treatise relating to patents, caveats, designs, trademarks, copyrights, labels, etc., in the United States. It is published in the interest of Munn & Co., patent solicitors, etc., of New York, proprietors of the *Scientific American*.

We have on our table a very comprehensive illustrated catalogue of some 75 pages, being the price list of John Starr, Son & Co., Ltd., manufacturers and importers of electrical apparatus and supplies, 134 Grenville street, Halifax, N.S.

B & S Massey, engineers, Openshaw, Manchester, send a catalogue of their steam hammers, which received the highest award at the World's Fair, Chicago. The catalogue contains 117 pages and enumerates steam hammers, steam forging presses, power hammers, kick s'amps, forging machines, saws for hot and cold metals, smith's furnaces, etc., with illustrations.

J. & E. Hall, 23 St. Swithins Lane, London, Eng., forward an illustrated catalogue of their refrigerating machinery. It extends to 119 pages, and one of the features is a detailed description of their patent carbonic anhydride refrigerating machines.

BECAUSE of the great and increasing use of electricity generated by steam, each of the three steam engineering courses in the International Correspondence Schools, Scranton, Pa., includes instruction in the care and operation of dynamos and motors. Steam engineers everywhere feel the crowding influence of electricity, and this may be merely a beginning of what is to follow. The dynamos which are to-day everywhere present, are managed by men who were yesterday steam engineers. The dynamos in use to-morrow will be cared for by the engineers of to-day. The engineer who, in addition to a knowledge of his trade, acquires a knowledge of how to care for electrical power, railway and lighting installations, is reasonably sure of permanent employment.

ABOUT one-half of the entire copper product of this country is now refined by electrolysis—a fact which illustrates in a striking manner the progress of electricity in this field, which has been none the less rapid because but little noise has been made over it, and but little is publicly known about it.—*American Machinist*.

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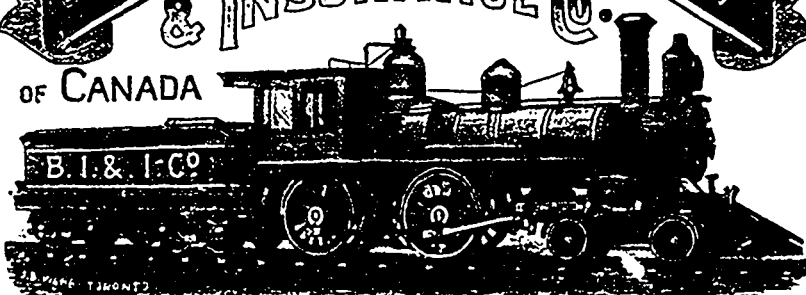
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