INDEX OF
MINING ENGINEERING LITERATURE

COMPRISING AN

INDEX OF MINING, METALLURGICAL, CIVIL, MECHANICAL, ELECTRICAL AND CHEMICAL ENGINEERING SUBJECTS AS RELATED TO MINING ENGINEERING

BY

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PREFACE

THE present volume, known as an Index of Mining Engineering Literature, will be found useful for all engineering professions, but especially to mining and metallurgical engineers and educators. It consists of a complete and carefully made index of eighteen engineering publications: journals, transactions and proceedings of societies, etc., which have in large part been cross-referenced, thus rendering valuable assistance to the reader in acquiring information not given in a general index, and which would not otherwise be accessible except through much tedious and painstaking research and extensive reading.

The work has grown out of the personal needs of the author in both educational and professional work. From a small number of selected references it has grown to such an extent, and has proven of such practical value that it was deemed advisable to publish it and thus place it within reach of members of the engineering professions. It represents the unaided labor of the author for a period of about five years, during which time he was actively engaged with other duties. Any errors that may occur are, therefore, due to his oversight and are not chargeable to others. The method of writing the references has changed from time to time as a result of experience in the work, and the use to which they have been put, which will explain why certain information is given in one instance and not in another. At the beginning of the work, the number of pages or columns, also the illustrations, were not considered of importance, and consequently were not given, and similarly with other minor points. Further, it will occasionally occur that the page as given will not be exact, which is due in large part to calculating backward, hastily, after ascertaining the number of pages or columns in the article, and in a similar manner the length may have been miscalculated by a page, column or a fraction of either. The author will consider it a favor if his attention is called to errors, in order that they may be corrected.

WALTER R. CRANE.

SCHOOL OF MINES AND METALLURGY,
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ABBREVIATIONS

Am. Jour. Min. — American Journal of Mining.
Ann. Min Rept. N. S. Wales. — Annual Mining Report New South Wales.
Cal. Miners' Assoc. Annl. — California Miners' Association Annual.
Coll. Engr — Colliery Engineer
Coll. Engr & Met. Miner. — Colliery Engineer and Metal Miner.
Coll. Working and Management. — Colliery Working and Management.
Coll. Guard. — Colliery Guardian.
Columbia Eng. — Columbia Engineer.
E. & M. J. — Engineering and Mining Journal.
Eng. News. — Engineering News.
Eng -Cont. — Engineering-Contracting.
Eng. Mag. — Engineering Magazine
Gold Min. & Mill. W. Aus — Gold Mining & Milling in Western Australia.
J. C. M. I. — Journal Canadian Mining Institute.
J. C. M. Rev. — Journal Canadian Mining Review
J. C. & M Soc. S. A. — Journal Chemical and Metallurgical Society of South Africa.
J. W. Soc. E. — Journal Western Society of Engineers
J. M. Soc. N. S — Journal Mining Society of Nova Scotia.
Min. Mag. — Mining Magazine.
M. & M. — Mines and Minerals.
Min. & Sci. Press. — Mining and Scientific Press.
Mech. Eng. Coll. — Mechanical Engineering of Collieries.
P. C. M. & M. Soc. S. A. — Proceedings Chemical Mining and Metallurgical Society of South Africa.
P. E. Soc. W. Pa. — Proceedings Engineering Society of Western Pennsylvania.
P. C. M. — Practical Coal Mining.
P. I. C. E. — Proceedings Institute of Civil Engineers
Rept. Inspr. Mines Pa. — Report Inspector of Mines of Pennsylvania.
Rept. Zinc Comm. Canada. — Report Zinc Commission of Canada.
R. R. Construction. — Railroad Construction
Sch. Mines Quart. — School of Mines Quarterly
Soc. P. E. E. — Society for the Promotion of Engineering Education.
Sci. Am Supp. — Scientific American Supplement.
T. L. S. M. I. — Transactions Lake Superior Mining Institute.
T. I. M. E. — Transactions Institute of Mining Engineers.
T. A. I. M E. — Transactions American Institute of Mining Engineers.
T. F. I. M. E. — Transactions Federated Institute of Mining Engineers.
T. I. M & M — Transactions Institution of Mining and Metallurgy.
T. N. S. I. M. & M. E. — Transactions North Staffordshire Institute of Mining and Mechanical Engineers.
T. F. C. M I. — Transactions Federated Canadian Mining Institutes.
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Quantity of Explosive that should be Used

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LARGE EXPLOSIONS AND THEIR RADII OF DANGER. By Col. Bucknill. Engineering, vol. 64, p. 186, 4½ columns, I.; p. 251, 5½ columns; p. 284, 2⅞ columns; p. 314, 2⅞ columns.

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THE EXACT DETERMINATION OF PHOSPHORUS BY A MOLYBDATE METHOD IN IRON, STEEL AND ORES WHICH CONTAIN ARSENIC. By J. O. Handy. P. E Soc. W. Pa., vol. 9, p. 377. 5 pages.

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Use of Plates in Amalgamation

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Practice in Milling Ores.

SILVER MINING AND MILLING AT BUTTE, MONT. By W. P. Blake. T. A. I. M. E., vol. 16, p. 38.

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MILLING ARIZONA GOLD-ORES WITH A COLORADO STAMP-MILL By W S. Morse. T A I M E, vol 25, p 130.

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ORE TREATMENT AT LAURIUM, GREECE By H F Collins E & M J, Feb. 23, 1905, p 363. 4 columns

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METHOD OF SAVING FINE GOLD OF SNAKE RIVER, IDAHO By W. H. Washburn Min & Sci Press, vol 83, p. 45 4 columns I.

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NOTE ON CHEAP GOLD-MILLING IN MEXICO By H F. Collins. T A. I M E, vol 31, p 446

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THE MINES AND MILLS OF GILPIN COUNTY, COLORADO By A N. Rogers. T. A. I. M. E., vol 11, p. 29.

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ORE TREATMENT IN BOULDER COUNTY, COLORADO. By C. C. Burger E & M. J, vol. 65, p. 129. 3 columns. I.

GOLD MILLING IN CLAY COUNTY, ALABAMA, AT THE IDAHO MINE By J. Franklin E. & M. J, vol 63, p 479. ¼ column.

THE CONCENTRATION OF AURIFEROUS SULPHIDES IN CALIFORNIA By W. H. Storms. E. & M. J., vol. 60, p 29, 3¾ columns, I.; p. 440, I.; p. 466, I.

PRIDE OF THE WEST MILL AND SMELTER, WASHINGTON CAMP, ARIZONA. By J. Scobey E & M. J., vol 72, p 110. 1⅔ columns. I.

NOTES ON THE YMIR MINE AND ITS MILL PRACTICE By S. S. Fowler. J. C. M. I., vol. 3, p. 3 8 pages.

NOTES ON GOLD MILLING PRACTICE AT THE ATHABASCA MINE, NELSON, B C By E. Nelson. J. C. M. I., vol. 4, p 83. 8 pages.

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GOLD MILLING PRACTICE AT THE ATHABASCA MINE, NESLON, B C. By E N. Fell E & M J, vol 71, p. 518. 2½ columns

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THE NEW MILL AT BATOPILAS, STATE OF CHIHUAHUA, MEXICO By J C F Randolph T A I M E, vol 10, p 293

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A WET SILVER MILL, MONTANA By R B. Brinsmade M & M, vol. 26, p 492. 11¼ columns I

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THE CENTRAL MILL OF THE NORTH STAR MINES COMPANY By A D Foote Min. & Sci Press, vol 92, p 240 3 columns I

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NOTES ON THE PORTLAND MINE AND MILL, COLORADO E & M. J., vol. 82, p 774 2 columns

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THE STEPTOE VALLEY MILL AND SMELTER. By W. R. Ingalls. E & M J, vol 84, p. 813. 11¾ columns. I.

THE MONTGOMERY-SHOSHONE MILL By P. E Van Saun. M & M, vol. 28, p. 385. 4 columns. I.

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NOTES ON AN IMPROVED NATIVE GOLD-MILL By E Halse. T. I. M. & M, vol 9, p 174. 2½ pages.

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VARIATIONS IN THE MILLING OF GOLD ORES By T A Rickard E. & M. J., vol. 54, p 198, 4 columns, I ; p. 222, 2 columns, I , p. 245; p. 534, 3½ columns; p 558, 4 columns; vol 55, p 78, 3 columns; p 101, 3½ columns, p. 222, 2 columns; p 247, 2½ columns, p 389, 3½ columns; p. 416, 2 columns; p. 534, 3½ columns, p 560, 2 columns; vol. 56, p. 317, 3½ columns.

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A MODERN COARSE CONCENTRATION PLANT FOR SILVER-LEAD ORE. By E R. Woakes T. I M & M., vol. 12, p 140. 14½ pages. I.

CONCENTRATION AT MOWRY, ARIZONA. M & M, vol. 27, p. 530. 1½ columns I.

MILLING LEAD-ORE IN THE WISCONSIN-IOWA-ILLINOIS REGION E & M. J, vol 82, p. 60. 1 column I

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SOME SILVER-BEARING VEINS OF MEXICO By E Halse T I M. E., vol 27, p 169 22 pages. I.

"LOS REYES" GOLD MINES, SOUTHERN MEXICO By A H Smith J. C. M. I, vol 8, p 272 12 pages. I.

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A NEW COPPER DISTRICT IN MEXICO. By. E. du B Lukis. E & M. J., vol 65, p 279. 3 columns I

THE IRON MOUNTAIN AND PLANT OF THE MEXICAN NATIONAL IRON AND STEEL COMPANY, DURANGO, MEXICO By T. E Witherbee. T. A. I M E., vol. 32, p. 156.

IRON IN MEXICO. By R E Chism. E & M. J., vol. 46, p. 391. 2 columns.

THE CERRO DE MERCADO (IRON MOUNTAIN) AT DURANGO, MEXICO By J Birkinbine. T. A. I. M E, vol 13, p. 189.

A COKING COAL IN CHIHUAHUA. By W B. Phillips. E. & M. J., vol 79, p 661. 4 columns. I.

LAS ESPERANZAS COAL MINES, MEXICO By E Ludlow E. & M. J., vol 71, p. 331. 2 columns I.

THE COAL-FIELDS OF LAS ESPERANZAS, COAHUILA, MEXICO By E Ludlow. T A I M. E., vol 32, p. 140

COALS IN MEXICO, SANTA ROSA DISTRICT By W H. Adams T. A I. M E., vol 10, p. 270.

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THE CERRILLOS ANTHRACITE MINES By A Lakes M. & M, vol. 21, p. 341 1½ columns. I.

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TIN-MINING AND SMELTING AT SANTA BARBARA, GUANAJUATO, MEXICO. By A H Bromly. T. A. I. M. E., vol 36, p. 227. 7 pages. I.

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THE MINERAL ZONE OF SANTA MARIA DEL RIO, SAN LUIS POTOSI, MEXICO. By Jesus P. Manzano. T. A. I. M. E, vol. 32, p. 478.

NOTES ON THE STRUCTURE OF ORE-BEARING VEINS IN MEXICO. By E. Halse. T. A. I. M. E., vol. 32, p 285.

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GEMS AND PRECIOUS STONES OF MEXICO. By G. F. Kunz. T. A. I. M. E., vol. 32, p. 55.

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THE SAHUAYACAN DISTRICT, MEXICO. By R M. Bogg, Jr. E. & M. J., vol. 79, p. 749. 4¾ columns. I.

THE SANTA ELENA MINE, MEXICO. E. & M J., vol. 68, p. 275. 2 columns. I.

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THE GUANAJUATO MINING DISTRICT By R T. Hill E & M J, vol 77, p 598, 8 columns, I.; p 642, 6 columns, I.

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MINES OF THE TAVICHE DISTRICT, OAXACA, MEXICO. By A. E. Place and H. L. Elton. E. & M. J., vol. 84, p. 625. 3½ columns.

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Sampling Ores

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Practice in Sampling Minerals, Coal, Gravels, etc.

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Screens: Theory of Sizing

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