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KEY=ELECTRICAL - BECKER ANGEЛИQUE

ELECTROTECHNOLOGY IN MINING

Elsevier *Both mining and electrical engineers need to bear in mind the following specific requirements of electrical applications in mining. 1) Economy of electrical plant and equipment in relation to the cost price of the extracted mineral ores, governed by the specific exploitation conditions, 2) Reliability of electrical plant and equipment for extractive operations, operational efficiency, and plant and personnel safety. 3) Special safeguards to counteract the additional hazards posed by the use of electric power, and by electrical phenomena in general. The book has been written along these lines, dealing with those topics which highlight the aspects of electrical engineering of relevance for mining engineers and aspects of mining operations that electrical engineers need, to meet the above-mentioned basic requirements governing the introduction and use of electrical plants and systems in mines. This book is intended as a text book and will be of use to students, and colleges as well as to mining and electrical engineers.*

ENGINEERING MECHANICS

ELECTRICAL, CIVIL, MECHANICAL, AND MINING ENGINEERING

ELECTRICAL ENGINEERING IN MINES

New Central Book Agency

COLLIERY ELECTRICAL ENGINEERING

A TREATISE FOR MINE OWNERS, MANAGERS, COLLIERY ENGINEERS, AND MINING STUDENTS

ELECTRICAL ENGINEERING FOR MECHANICAL AND MINING ENGINEERS

BEING A SERIES OF TWENTY LECTURES PREPARED FOR AND DELIVERED TO THE RESIDENT MECHANICAL ENGINEERS OF THE MINES OF THE WITWATERSRAND, SOUTH AFRICA

ELECTRICAL ENGINEERING ASPECTS OF REMOTELY LOCATED COAL MINES

THE SOUTH DAKOTA STATE SCHOOL OF MINES

CHEMICAL ENGINEERING, CIVIL ENGINEERING, ELECTRICAL ENGINEERING, METALLURGICAL ENGINEERING, MINING ENGINEERING

MECHANICAL ENGINEERING STAFF AND ELECTRICAL ENGINEERING STAFF AT MINES OF COAL, STRATIFIED IRONSTONE, SHALE OR FIRECLAY

ENGINEERING MECHANICS DEVOTED TO MECHANICAL CIVIL, MINING AND ELECTRICAL ENGINEERING

HISTORY OF THE TYNE ELECTRICAL ENGINEERS, ROYAL ENGINEERS FROM THE FORMATION OF THE SUBMARINE MINING COMPANY OF THE 1ST NEWCASTLE-UPON-TYNE AND DURHAM

The Tyne electrical engineers originated in the early 1880s as a specialist unit in Newcastle responsible for defending the port with submarine mines and searchlights. Its work and numbers grew, and it soon became a full-fledged unit of the Royal Engineers. In the Great War the unit pioneered the use of mobile searchlights, defending ports on its native Tyneside and at Gosport from air and sea attack with searchlight batteries. Units were also engaged on the western front, where, amongst other responsibilities, they supplied water for hard-pressed infantry on the Somme; helped in the tunnelling work that preceded the explosion of a score of gigantic mines at the battle of Messines Ridge. For anyone interested in the vital role of engineering in the Great War, this book is a must.

SCHOOL OF MINES

COURSE IN ELECTRICAL ENGINEERING : ANNOUNCEMENT 1889

INDEX OF MINING ENGINEERING LITERATURE

ELECTRICAL MINING INSTALLATIONS (CLASSIC REPRINT)

Forgotten Books *Excerpt from Electrical Mining Installations This volume has been written especially for colliery engineers and contractors engaged in the installation of electrical plant for mining purposes. The first chapter deals briefly with the elementary principles of electrical engineering, special reference being made to alternate current working. Many readers will already have a sufficient knowledge of these principles and for them the volume will be a guide to the application of electric power for mining work. Readers who are engineers but not essentially electrical engineers will find this opening chapter of service, and it is hoped that the notes on alternate current working will clear up the many abstruse points on this subject and give a working knowledge of the terms and quantities involved. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.*

DYNAMIC SIMULATION OF COAL MINE ELECTRICAL POWER SYSTEMS

TASK COMPLETION REPORT

MINING ELECTRICAL ENGINEERING

ELECTRICAL ENGINEERING FOR MECHANICAL AND MINING ENGINEERS

ELECTRICAL ENGINEERING FOR MINING STUDENTS

PAGE'S WEEKLY, VOL. 6

**ENGINEERING, ELECTRICAL, MINING, IRON AND STEEL, AND SHIPBUILDING INDUSTRIES; JANUARY 13, 1905
(CLASSIC REPRINT)**

Forgotten Books Excerpt from Page's Weekly, Vol. 6: *Engineering, Electrical, Mining, Iron and Steel, and Shipbuilding Industries; January 13, 1905* Structural Work, Steel Rails. Steel Sleepers. Steel Sections. Switches and Crossings. Rail Spikes and Screws. Fish-bolts. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY: ELECTRICAL ENGINEERING

Presents the Electrical Engineering Department at the New Mexico Institute of Mining and Technology (NMT) in Socorro, New Mexico. The department's Web site features news and events, faculty and student directories, and an academic calendar.

AN ELECTRICAL CONTROL SYSTEM FOR SUBMARINE MINES

EVALUATION OF COAL MINE ELECTRICAL SYSTEM SAFETY

MINE AND QUARRY ENGINEERING

INDEX OF MINING ENGINEERING LITERATURE

COMPRISING AN INDEX OF MINING, METALLURGICAL, CIVIL, MECHANICAL, ELECTRICAL AND CHEMICAL

ENGINEERING SUBJECTS AS RELATED TO MINING ENGINEERING

GUIDANCE ON THE DESIGN AND CONSTRUCTION OF SAFETY CRITICAL ELECTRICAL SYSTEMS AT MINES

This guidance is primarily for managers, electrical engineers and electrical engineering supervisors, but it may also be of interest to other electrical engineering staff and to mine owners. It deals with the design, construction, alteration and adaptation of power supplies to safety critical plant and equipment at mines.

REPORT OF H.M. ELECTRICAL INSPECTOR OF MINES

DICTIONNAIRE FRANÇAIS-ANGLAIS, ANGLAIS-FRANÇAIS, DE TERMES ET LOCUTIONS TECHNIQUES DE GÉNIE CIVIL

Kegan Paul International *Omfatter: Geologi, fysisk geografi, petrologi, mineralogi, krystallografi, metallurgi, kemi, fysik, geometri, forkortelser og symboler, mål og vægt, sammensatte omregningsfaktorer ect. samt en metode til telegrafisk kodning*

QUARTERLY OF THE COLORADO SCHOOL OF MINES

ENGINEERING MECHANICS

ELECTRICAL, CIVIL, MECHANICAL, AND MINING ENGINEERING; VOLUME 10

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ENGINEERING MECHANICS

ELECTRICAL, CIVIL, MECHANICAL, AND MINING ENGINEERING

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OPTIMIZATION OF THE ROOM-AND-PILLAR MINING TECHNOLOGY FOR OIL-SHALE MINES

ENGINEERING MECHANICS; ELECTRICAL, CIVIL, MECHANICAL, AND MINING ENGINEERING

Rarebooksclub.com *This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1890 edition. Excerpt: ...or steel there is great waste of energy. Hysteresis may be regarded as a species of molecular magnetic friction by reason of which alternate magnetizations cause iron to be r heated. FIG. 17. The area enclosed by the curve represents the loss due to magnetization at the given rapidity of alternations. Dr. John Hopkinson has calculated this loss in ergs per cubic cm. for a complete magnetic cycle, when values of H are between the limits 4-240 and--240. (See Table B on next page.) In a magnetic circuit the hysteresis is of small importance if an air-gap exists, and its influence decreases the greater the number of lines which pass through the air. Residual magnetism in electro-magnets is a phenomenon of hysteresis. Hysteresis in electro-magnets increases with their length. The practical elimination of hysteresis in measuring instruments which contain iron is of importance; otherwise their usefulness is impaired. The errors arising from hysteresis can be reduced by introducing the instrument into circuit only at times for observations, so that the magnetization always rises from zero to the indicated amount, or by bringing a strong magnetization into the vicinity before the measurement, for example, the spring galvanometer of Kohlrausch, in which the armature is lowered down into the coil before the*

reading. "Mitis" metal has been employed by certain makers of motors in place of wrought iron for magnet cores. This, along with other "cast" wrought irons low in carbon and soft, possesses a high susceptibility, and the fact that they may be cast in suitable forms makes them desirable for the purpose. o. Influence of Temperature on Magnetization. Iron.--Up to about 3COC. the magnetization is quite independent of the...

THE GEORGIA SCHOOL OF TECHNOLOGY, 1906-1907

MECHANICAL ENGINEERING, ELECTRICAL ENGINEERING, CIVIL ENGINEERING, TEXTILE ENGINEERING, MINING, ENGINEERING, ENGINEERING CHEMISTRY, CHEMISTRY (CLASSIC REPRINT)

Forgotten Books Excerpt from *The Georgia School of Technology, 1906-1907: Mechanical Engineering, Electrical Engineering, Civil Engineering, Textile Engineering, Mining, Engineering, Engineering Chemistry, Chemistry* About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

INTERVIEWS WITH MINING ENGINEERS

Theclassics.us This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1922 edition. Excerpt: ... to New York, it occurred to me to ask him if he could not reproduce the discovery shaft of the Golden Cycle, to which he agreed, and in two months made a model that was an absolute reproduction of the discovery shaft in form, texture, and color. I think this method of showing conditions can be used successfully in many cases. The gentlemen on the opposite side of the case, when once the suit was settled, were quick to acknowledge that this reproduction of the shaft would have meant their certain defeat had the case come into court. Are your sons mining engineers? Only one of my sons elected to study mining engineering, and, on the completion of his sophomore year at the Colorado School of Mines, he went on a surveying trip during the summer to North Park, where he became enthused over pure-bred stockraising and absolutely refused to go back to college. There was nothing to do but to let him follow his bent, in which I was much disappointed; but perhaps it is all for the best, as Jack is now owner of the Glendale stock-farm and has made a greater success in raising pure-bred polled Herefords than he was likely to do in mining engineering. My oldest son, Fred, was graduated as metallurgical

engineer from McGill University and is now in Mexico. My youngest son, Harold, graduated with honors as mechanical engineer at the University of Colorado, and is engineer for the Plains Iron Works of Denver. My son-in-law, G. B. Shanklin, is an electrical engineer engaged in research work for the General Electric Company. How do you compare the facilities for education in your day with those that your sons have been able to obtain? The engineering colleges of today are so far ahead of their predecessors of forty-five years ago in personnel, apparatus, ..

THE COAL MINING INDUSTRY (ELECTRICAL AND ENGINEERING TRADES) AWARD AS AT DECEMBER 14TH, 1954, WITH WAGE RATES AMENDED AS FROM JANUARY 10TH, 1955, INCLUDING THE ATTENDANCE ALLOWANCE ORDER AS AT JANUARY 10TH, 1955

FIRING MINES BY ELECTRICAL MEANS

NOTES ON THE PROVISION AND MAINTENANCE OF ELECTRICAL EQUIPMENT

MINING INDUSTRY: INNOVATIONS AND PROSPECTS FOR THE DEVELOPMENT OF MATERIALS SCIENCE II

SELECTED PEER-REVIEWED FULL TEXT PAPERS FROM THE 8TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INNOVATIONS AND PROSPECTS OF DEVELOPMENT OF MINING MACHINERY AND ELECTRICAL ENGINEERING (IPDME 2020) : SELECTED PEER-REVIEWED FULL TEXT PAPERS FROM THE 8TH INTERNATIONAL SCIENTIFIC CONFERENCE ON INNOVATIONS AND PROSPECTS OF DEVELOPMENT OF MINING MACHINERY AND ELECTRICAL ENGINEERING (IPDME 2020), APRIL 23-24, 2020, SAINT-PETERSBURG, RUSSIA

Selected peer-reviewed full text papers from the 8th International Scientific Conference on Innovations and Prospects of Development of Mining Machinery and Electrical Engineering (IPDME 2020)

MINE SAFETY

A MODERN APPROACH

Springer Science & Business Media *Mine Safety* combines detailed information on safety in mining with methods and mathematics that can be used to preserve human life. By compiling various recent research results and data into one volume, *Mine Safety*

eliminates the need to consult many diverse sources in order to obtain vital information. Chapters cover a broad range of topics, including: human factors and error in mine safety, mining equipment safety, safety in offshore industry and programmable electronic mining system safety. They are written in such a manner that the reader requires no previous knowledge to understand their contents. Examples and solutions are given at appropriate places, and there are numerous problems to test the reader's comprehension. Mine Safety will prove useful for many individuals, including engineering and safety professionals working in the mining industry, researchers, instructors, and undergraduate and graduate students in the field of mining engineering.

PAGE'S MAGAZINE, VOL. 4

AN ILLUSTRATED TECHNICAL MONTHLY, DEALING WITH THE ENGINEERING, ELECTRICAL, SHIPBUILDING, IRON AND STEEL, MINING, AND ALLIED INDUSTRIES; JANUARY, 1904-JUNE, 1904 (CLASSIC REPRINT)

Forgotten Books Excerpt from Page's Magazine, Vol. 4: An Illustrated Technical Monthly, Dealing With the Engineering, Electrical, Shipbuilding, Iron and Steel, Mining, and Allied Industries; January, 1904-June, 1904 Sumner, O Marine Petrol Engines and Motor Launches, 186 Surrey Commercial Dock Company. About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books. Find more at www.forgottenbooks.com This book is a reproduction of an important historical work. Forgotten Books uses state-of-the-art technology to digitally reconstruct the work, preserving the original format whilst repairing imperfections present in the aged copy. In rare cases, an imperfection in the original, such as a blemish or missing page, may be replicated in our edition. We do, however, repair the vast majority of imperfections successfully; any imperfections that remain are intentionally left to preserve the state of such historical works.

ENGINEERING WORLD

A WEEKLY TECHNICAL JOURNAL OF CIVIL, MECHANICAL, ELECTRICAL, MINING AND ARCHITECTURAL ENGINEERING AND CONSTRUCTION

ENVIRONMENTAL ENGINEERING IN MINES

Cambridge University Press This is a detailed study on the design, operation and maintenance of mines in relationship to the total environment.