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EMBRACING THE PROCEEDINGS FOR THE YEAR 1891.

WHOLE NUMBER 20.

THE
Ohio Mining Journal.

OFFICIAL ORGAN OF THE OHIO INSTITUTE OF
MINING ENGINEERS.

Proceedings of the Winter Meeting,

HELD AT COLUMBUS, JAN. 22 AND 23, 1891.

AND THE

SUMMER MEETING,

Held at Corning, O., June 2, 3, 4 and 5, 1891.

PRICE, 25 CENTS.

COLUMBUS, OHIO :
GERMAN-AMERICAN PRINTING & PUBLISHING CO.,
1892.

OFFICIAL DIRECTORY

Of the Ohio Institute of Mining Engineers for
1891.

PRESIDENT,
HON. ANTHONY HOWELLS.

VICE-PRESIDENT,
HENRY PRICE.

SECRETARY AND TREASURER,
R. M. HASELTINE.

EXECUTIVE COMMITTEE,

HON. ANDREW ROY.....GLEN ROY, OHIO.
PROF. N. W. LORD..... COLUMBUS, OHIO.
PROF. F. W. SPERR.....COLUMBUS, OHIO.

The headquarters of the Institute are at Columbus, Ohio.

Two Meetings are held annually.

The Winter Meeting is held in Columbus, during the month of January.

The Summer Meeting is held in June.

The dates of both are determined by the Executive Committee.

CONTENTS.

	PAGE.
Minutes of Winter Meeting, 1891—Columbus.....	5
Address of President Hon. Anthony Howells	5
Report of Secretary-Treasurer R. M. Haseltine.....	7
Municipal Corporations and Natural Gas Supply—Prof. Edward Orton	10
Resolution to Establish Standard Time	22
The Ores of Virginia—J. A. Ede	25
Blast Furnace Tar and Ammonia—Prof. N. W. Lord	36
The Coals of the 12-Pole Region, West Virginia—A. Roy.	47
Management of Mines—William Hibbs.....	55
Fatal Explosions in the Mines of England and Wales Dur- ing the Last Half Century—Capt. J. L. Morris.....	60
Poem—Capt. J. L. Morris.....	64
Bituminous Mining Boss Examination	68
The Difference in Mining Coal and Iron Ore—P. F. Schmidt	87
Mine Ventilation as Taught at the School of Mines, Ohio State University—Prof. E. W. Sperr.....	89
Summer Meeting at Corning, Ohio.....	93
List of Members.....	102

WINTER MEETING, 1891.

PROGRAMME.

ARRANGED ACCORDING TO STANDARD TIME.

Thursday, January 22—7 P. M.

ANNUAL ADDRESS OF THE PRESIDENT,
HON. ANTHONY HOWELLS, Massillon, Ohio.

REPORT OF THE SECRETARY AND TREASURER,
HON. R. M. HASELTINE, Columbus, Ohio.

PAPER—Municipal Corporations and Natural Gas Supplies,
Prof. EDWARD ORTON, State Geologist, Columbus, Ohio.

MISCELLANEOUS BUSINESS.

Friday, January 23—9 A. M.

PAPER—The Ores and Minerals of Virginia—(Exhibiting
Specimens),
J. A. EDE, M. E., Jackson, Ohio.

PAPER—Blast Furnace Tar and Ammonia,
Prof. N. W. LORD, Ohio State University.

PAPER—Management of Men in Mines,
WM. HIBBS, M. E., Linton, Jefferson County, Ohio.

PAPER—Mine Explosions in England and Wales, and Number
of Lives Lost,
Capt. J. L. MORRIS, Coshocton, Ohio.

1:30 P. M.—The afternoon will be devoted to the visiting of
the different manufactories of mining machinery,
including The Jeffrey Manufacturing Company,
The Minot Electrical Company, The Lechner
Electric Mining and Machine Company.

7:00 P. M.—ELECTION OF OFFICERS FOR THE ENSUING YEAR.

PAPER—Difference Between Mining Coal and Iron Ore,
P. F. SCHMIDT, Post Boy, Ohio.

PAPER—Mine Ventilation as Taught in the School of Mines,
Ohio State University,
Prof. F. W. SPERR.

PAPER—The Lower Coal Measures on the West Virginia Side
of the Ohio, Big Sandy, and Twelve Pole Rivers,
HON. ANDREW ROY, Mining Geologist, Glen Roy, Ohio.

Ohio Institute of Mining Engineers.

COLUMBUS, OHIO, January 22, 1891.

The Convention was called to order by the President, who said:

Gentlemen: I am glad to meet you here this evening, in our eleventh annual meeting of the institute. I would have been very glad to have met more of the members than we have here this evening. However, there will probably be a great many more here to-morrow. I wish to say that you cannot expect of me, this evening, any extended remarks, for reasons that I need not state here, but I would like to say this, that I believe that the Institute is in a good and flourishing condition, notwithstanding that about a year or two ago I understood, with some of the members, that it was about dying and that it had better be abandoned. However, I think we can say to-night, when our Secretary here reads his report, that the Institute is entirely different and not as near its death as supposed at that time and that it will revive and be a giant instead of a child in a short time. I am glad to see members like Prof. Orton and my friend Roy here and I am very glad to see him here this evening and was very sorry that I did not see him at the Massillon meeting. I think he lost a great deal. I want to brag a little on Massillon, of course. I think he lost more than he ever did in his life before. But I hope he will make it all up again. I also wish to compliment our Secretary on the last edition of the Journal. I guess, though, that he had my picture in it. I think that was a bad feature of it. But, if one like it is gotten out every year and instead of printing 1000, at least five if not ten thousand, and I believe every one could be sold. There are thousands of miners in the State of Ohio that would much prefer to have one of these Journals than 25 cents and I think that if this institution does its duty that it owes to the miners that are not members, that it will print more and distribute among them and they would be very glad to pay the 25 cents for them. I am satisfied in my own mind that not less than from one to two thousand could be sold in our valley alone. Then when you consider the Hocking Valley and other coal

districts in the State, I think it would be safe to say that perhaps not less than 10,000 of these Journals could be sold every year, and as I say, the miners would be very glad to pay for them. There would be no trouble in doing that. Almost every superintendent of mines in the State belongs to this Institute and all that would be necessary would be for the Secretary to send so many copies, the number required, to each mine Superintendent, and as I said before, the miners of that mine would be very glad to buy them for 25 cents. In doing so, it would make the Institute not merely what it is now, an institution for the education of the members, but it would be an education for the miners as well, and also profitable as well.

Now, as I said in the beginning, I don't wish to make any extended remarks. There will be a number of other things here and I think the report of the Secretary will be very entertaining, especially to the members, showing that the Institute is in a flourishing condition. I would like to say this, that our Secretary added a new departure in the last Journal, and I think it would be well hereafter, that the President of the association should always have his picture in the Mining Journal. I think it is a very good feature.

But, as I said, there will be papers to read here which will be more entertaining than anything I can say, because I think the papers that are to be read and the discussion of these papers is about the best thing we can have in an institution of this kind. It brings out a great many that would never have anything to say otherwise and we all gain knowledge one from the other. With these remarks, gentlemen, thanking you for the honor which you have conferred upon me in the last year I shall now call on our Secretary to read his report. [Applause.]