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EMBRACING THE PROCEEDINGS FOR THE YEARS
1893 AND 1894.

WHOLE NUMBERS 22 and 23.

THE
Ohio Mining Journal.

OFFICIAL ORGAN OF THE OHIO INSTITUTE OF
MINING ENGINEERS.

No. 22 Embraces the Proceedings of the Winter Meet-
ing held at Columbus, O., January, 19-20, 1893,
and No. 23 embraces the Proceeding of the
Winter Meeting, held at Columbus,
Ohio, January 17-18, 1894.

AND THE

Excursion to Congo, January 19th, 1894.

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OFFICIAL DIRECTORY

Of the Ohio Institute of Mining Engineers for
1893.

PRESIDENT,
HON. ANTHONY HOWELLS,
MASSILLON, OHIO.

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O. S. U., COLUMBUS, OHIO.

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COLUMBUS, OHIO.

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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.

WINTER MEETING, 1893.

PROGRAMME.

ARRANGED ACCORDING TO STANDARD TIME.

Thursday, January 19th—7 P. M.

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

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

ADDRESS BY THE HON. WM. MCKINLEY, JR., Governor.

PAPER—The Cambridge Coal Fields,
WM. H. TURNER, Dist. Mine Insp., Cambridge, Ohio.

PAPER—A Standard Grade of Powder Necessary for Mines,
JAMES W. HAUGHN, Nelsonville, Ohio.

MISCELLANEOUS BUSINESS.

ELECTION OF OFFICERS.

PAPER—Fire-Clay Industry in the Hocking Valley,
JOHN E. SHORT, District Mine Inspector.

Friday, January 20th, A. M.

PAPER—Miners' Sunshine and its Uses,
WM. B. RENNIE, Ex-District Mine Inspector,
New Philadelphia, Ohio.

PAPER—Sewerage, Drainage and Water Snpply,
PROF. F. W. SPERR, Ohio State University.

PAPER—(Subject to be announced),
E. B. WILLARD, Hanging Rock, Ohio.

REPORT OF THE COMMITTEE ON REVISION OF THE CONSTITUTION.

ELECTION OF MEMBERS.

Friday—1.30 P. M.

The afternoon session will be held at the Ohio State University, where an examining will be made of the buildings, among which are the new Training School and *Orton Hall*. The latter is of stone, arranged by our esteemed member, in geological order. It is hoped that Dr. Orton will be able to be present to exhibit this monument of State pride, bearing his name; after which, Professor N. W. Lord will deliver an illustrated talk on the various gases met with in mines.

Friday—7 P. M.

PAPER—A Practical System of Mining Coal in Ohio,
THOS. H. LOVE, Dist. Mine Insp., Leesville, Ohio.

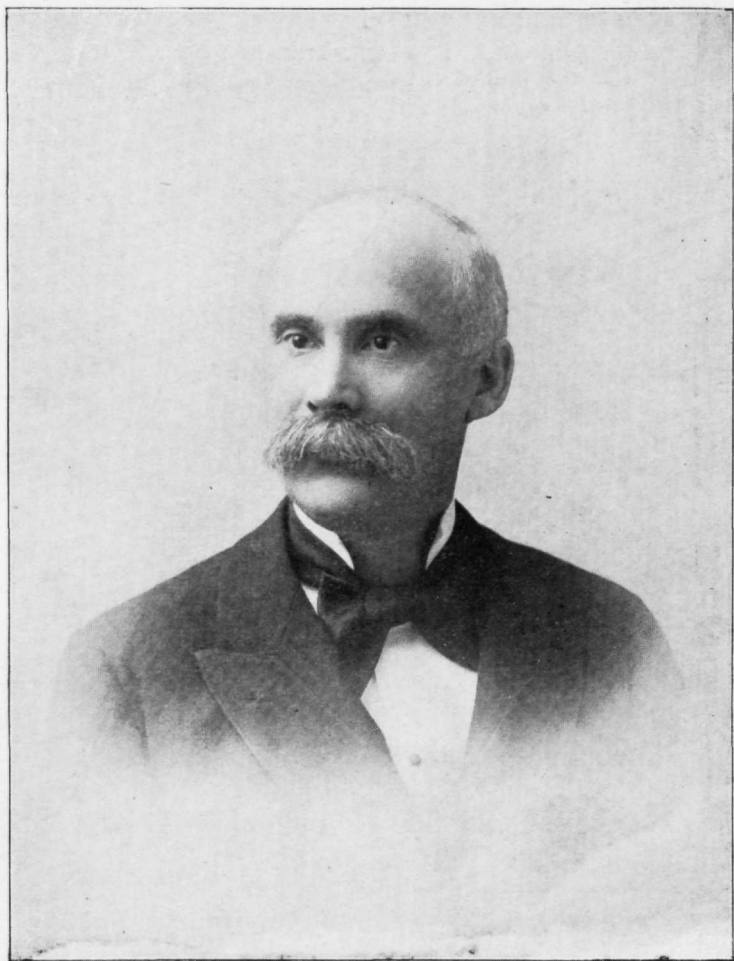
PAPER—Explosives,
CAPT. J. D. MORRIS, Ex-Dist. Mine Insp., Canal Dover, Ohio.

PAPER—Mine Surveying,
WM. HIBBS, M. E., Scio, Ohio.

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R. M. Haseltine

Ohio Institute of Mining Engineers.

COLUMBUS, OHIO, January 19th, 1893.

The Convention was called to order by the Vice-President, Prof. Lord of the Ohio State University, who said:

Gentlemen: In the absence of our president, Senator Howells, it falls to my lot to call the convention of the Ohio Society of Engineers to order. Mr. Howells expected to be with us but sends this letter, which I will read to the Institute as his explanation.

(At this point Prof. Lord reads the letter of Senator Howells.)

THE CHAIR: The first matter of business for the meeting to-night is the report of the Secretary and Treasurer, Mr. Haseltine, I call for his report.

MR. HASELTINE. As it was suggested by our esteemed member, Prof. Orton, that the members come a little farther forward, I hope that you will come forward and give us your attention, as the noise of the machinery below is annoying.