REPORT OF PROCEEDINGS OF THE AMERICAN MINING CONGRESS: EIGHTEENTH ANNUAL SESSION SAN FRANCISCO, CALIFORNIA SEPTEMBER 20-22, 1915

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AMERICAN MINING CONGRESS

REPORT OF PROCEEDINGS OF THE AMERICAN MINING CONGRESS: EIGHTEENTH ANNUAL SESSION SAN FRANCISCO, CALIFORNIA SEPTEMBER 20-22, 1915



Report of Proceedings

of the

American Mining Congress

Eighteenth Annual Session San Francisco, California September 20-22, 1915

Published by The American Mining Congress At the Office of the Secretary, Washington, D. C., 1916

PREVIOUS SESSIONS OF CONGRESS

y, 1897 ly, 1898 ly, 1899 ne, 1900 ly, 1901	Milwaukee, Wis,	Hon. Alva Adams, Hon. L. Bradford Prince, Hon. L. Bradford Prince, Col. B. F. Montgomery,	Santa Fe, N. M.
ly, 1898 ly, 1899 ne, 1900 ly, 1901	Salt LakeCity,Utah Milwaukee, Wis,	Hon. L. Bradford Prince,	Santa Fe, N. M.
y, 1899 ne, 1900 y, 1901	Milwaukee, Wis,		
ne, 1900 y, 1901		Col. B. F. Montgomery,	
y, 1901	Milwaukee, Wis.		Cripple Creek, Colo.
200 BUCCHES		Col. B. F. Montgomery,	Cripple Creek, Colo.
	Boise, Idaho.	Hon. L. Bradford Prince,	Santa Fe, N. M.
pt., 1902	Butte, Mont,	E. L. Shafner,	Cleveland, Ohio.
pt., 1903	Deadwood and		special contractors.
	Lead, S. D.	Hon. J. H. Richards,	Boise, Idaho.
g., 1904	Portland, Ore.	Hon. J. H. Richards,	Boise, Idaho
v., 1905	El Paso, Tex.	Hon. J. H. Richards,	Boise, Idaho.
t., 1906	Denver, Colo.	Hon. J. H. Richards,	Boise, Idaho.
v., 1907	Joplin, Mo.	Hon. J. H. Richards,	Boise, Idaho.
c., 1998	Pittsburgh, Pa.	Hon. J. H. Richards,	Bolse, Idaho.
t., 1909	Goldfield, Nev.	Hon. J. H. Richards,	Boise, Idaho.
t., 1910	Los Angeles, Cal.	Dr. E. R. Buckley,	Rolla, Mo.
t., 1911	Chicago, Ill.	John Dern,	SaltLakeCity, Utah.
v., 1912	Spokane, Wash,	Samuel A. Taylor,	Pittsburgh, Pa.
t., -1913	Philadelphia, Pa.	David W. Brunton,	Denver, Colo.
c., 1914	Fhoenix, Ariz.	Carl Scholz,	Chicago, Ill.
	San Francisco, Cal.	Carl Scholz,	Chicago, Ill.
֡	t., 1909 t., 1910 t., 1911 v., 1912 t., 1913	t., 1909 Goldfield, Nev. t., 1910 Los Angeles, Cal. t., 1911 Chicago, Ill. v., 1912 Spokane, Wash, t., 1913 Philadelphia, Fa. c., 1914 Fhoenix, Ariz.	t., 1999 Goldfield, Nev. t., 1910 Los Angeles, Cal. t., 1911 Chicago, Ill. v., 1912 Spokane, Wash, t., 1913 Philadelphia, Pa. c., 1914 Phoenix, Ariz. Hon. J. H. Richards, Dr. E. R. Buckley, John Dern, Samuel A. Taylor, David W. Brunton, Carl Scholz,

^{*}Temporary. †Passed to June, 1900,

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OFFICIAL CALL

Mining is essentially a National Business. While composed of many units, it is necessarily a big business. Co-operation of those units is essential to the highest efficiency. Safety, Efficiency and Conservation can only be accomplished through the combined efforts of operator, miner and consumer. The careful deliberation of practical mining men is essential in the solution of the growing problems of the industry. An opportunity for discussion and the outlining of plans through which better conditions may be brought about, will be given

At the

EIGHTEENTH ANNUAL SESSION

Of the

AMERICAN MINING CONGRESS

Which is Hereby Called to Meet at the

Exposition Memorial Auditorium San Francisco, California September 20, 21, 22

REPRESENTATION

The Convention will be composed of the active and associate members of The American Mining Congress and members of affiliated organizations, specially invited guests and duly accredited delegates appointed under the authority hereby extended for the appointment of delegates, as follows:

The President of the United States may appoint ten delegates at large;

The Chief Executives of foreign nations may appoint ten delegates; Governors of states and territories may each appoint ten delegates; Mayors of cities and towns, two delegates each and one additional delegate for each 100,000 of population;

Boards of County Supervisors, Boards of Trade, Chambers of Commerce, Mining Bureaus and Exchanges, Mining Organizations, Scientific Societies, Engineers' Associations, and State Mining Schools may appoint two delegates each.

The early appointment of delegates is specially urged and that the name and address of each delegate appointed shall be sent the Secretary at the earliest time possible. Delegates will be advised of the subjects to be presented in order that proper preparation may be made for discussion.

THE AMERICAN MINING CONGRESS,

By order of the Executive Committee,

CARL SCHOLZ, President.

Attest:

J. F. CALLBREATH, Secretary.
Majestic Bldg., Denver, Colorado, May 31, 1915.

OFFICERS AND DIRECTORS, 1916

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Second Vice-President—M. S. KEMMERER.
Third Vice-President—JAMES E. TALMAGE.

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Thos. S. Robinson San Francisco, Ca	ıl.

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Hugh !	Shirkie	Terre Haut	ė
	Cemmerer		
	N. Taylor		
F. S. 1	andstreet	New York Cit	y

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in Coal Mines.

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