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DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

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APPOINTED JUNE 16, 1909; RESIGNED JUNE 30, 1913

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APPOINTED JULY 1, 1913

THIRTEENTH CENSUS OF THE UNITED STATES
TAKEN IN THE YEAR 1910

VOLUME XI

MINES AND QUARRIES
1909

GENERAL REPORT AND ANALYSIS

PREPARED UNDER THE SUPERVISION OF ISAAC A. HOURWICH
EXPERT SPECIAL AGENT IN CHARGE OF MINING



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1913

DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS
WASHINGTON

ANNOUNCEMENT CONCERNING THIRTEENTH CENSUS REPORTS.

DECEMBER 3, 1913.

Of the final census reports listed on page 3, all have been issued with the exception of Volume IV, Occupation Statistics, which will be completed at an early date.

The volumes numbered I to XI, constituting the complete reports of the census, are being issued in a very limited edition, intended chiefly for libraries, institutions, and special students of statistics.

A condensed report, entitled Abstract of the Census, has been printed in a much larger edition, intended for more general distribution, and prepared in such a way as to meet the need of most persons desiring information concerning the results of the census. It contains in tabular form all important census statistics for the United States as a whole and for each state and principal city, together with a brief text explaining the figures and their meaning. The Abstract therefore is a condensation of the complete census reports, both tables and text, and not merely a compilation of tables.

The Abstract is issued in special editions for each of the several states, each edition containing a supplement giving the detailed statistics for counties, cities, and other civil divisions of the state to which it relates, designed to meet the needs of persons resident in that state or especially interested in it. The supplement contains also both tables and text.

As a compact reference work of general and local interest the Abstract is more convenient for most persons than the voluminous final reports.

CONTENTS.

SUMMARY OF CHAPTERS.

	Page.
I.—INTRODUCTION AND GENERAL EXPLANATIONS.....	13
II.—SUMMARY AND ANALYSIS OF RESULTS.....	21
III.—STATISTICS OF MINES AND QUARRIES, BY STATES.....	41
IV.—COAL.....	181
V.—IRON.....	235
VI.—PETROLEUM AND NATURAL GAS.....	261

CONTENTS OF CHAPTERS.

Chapter I.—INTRODUCTION AND GENERAL EXPLANATIONS.

	Page.
Provisions of law.....	13
Cooperation with the United States Geological Survey....	13
Method of collecting statistics.....	14
Territory covered.....	15
Industries and establishments canvassed.....	15
Relation between statistics of mines and quarries and statistics of manufactures.....	15
Period covered.....	17
Number of operators.....	17
Number of mines, quarries, and wells.....	18
Capital.....	18
Land tenure.....	18
Expenses of operation and development.....	18
Supplies and materials.....	18
Miscellaneous expenses.....	19
Value of products.....	19

Chapter II.—SUMMARY AND ANALYSIS OF RESULTS.

Continental United States and noncontiguous territory: 1909.....	21
Producing and nonproducing mines.....	21
Geographic distribution of producing enterprises.....	22
Principal mining industries.....	24
General comparison for the United States: 1902-1909.....	24
Geographic distribution of the principal industries: 1909....	26
Persons engaged in mining industries.....	28
Distribution by sex and age.....	28
Distribution by industrial status.....	28
Proprietors performing manual labor.....	29
Wage earners by occupations.....	29
Contract work.....	30
Number of persons employed, by months.....	30
Prevailing hours of labor.....	31
Land tenure.....	32
Form of organization.....	32
Number of stockholders.....	33
Scale of production.....	34
Classification according to number of wage earners.....	34
Classification according to value of products.....	36
Expenses.....	36
Power.....	37
Enterprises operated by governmental and eleemosynary institutions.....	37

DIAGRAMS.

Value of products, mining industries: 1909.....	23
Value of products, mining industries, by states: 1902 and 1909.....	23
Percentage distribution, by divisions: 1909.....	23
Value of products, mining industries: 1902 and 1909.....	25
Percentage distribution, by industries: 1909.....	25
Value of products, leading industries, by states: 1909.....	26

Chapter III.—STATISTICS OF MINES AND QUARRIES BY STATES.

	Page.		Page.
Alabama.....	41	Nebraska.....	112
Alaska.....	44	Nevada.....	113
Arizona.....	47	New Hampshire.....	116
Arkansas.....	50	New Jersey.....	118
California.....	53	New Mexico.....	121
Colorado.....	58	New York.....	124
Connecticut.....	62	North Carolina.....	128
Delaware.....	65	North Dakota.....	131
Florida.....	66	Ohio.....	132
Georgia.....	68	Oklahoma.....	135
Idaho.....	71	Oregon.....	138
Illinois.....	74	Pennsylvania.....	141
Indiana.....	77	Rhode Island.....	146
Iowa.....	80	South Carolina.....	147
Kansas.....	83	South Dakota.....	149
Kentucky.....	86	Tennessee.....	152
Louisiana.....	89	Texas.....	155
Maine.....	91	Utah.....	158
Maryland.....	93	Vermont.....	162
Massachusetts.....	96	Virginia.....	165
Michigan.....	99	Washington.....	168
Minnesota.....	102	West Virginia.....	171
Missouri.....	105	Wisconsin.....	174
Montana.....	109	Wyoming.....	177

Chapter IV.—COAL.

Introduction.....	181
Definitions and explanations.....	181
Scope of census.....	181
Period covered.....	181
Coal mining and coke manufacture at the mines.....	181
Number of operators.....	181
Coal land controlled.....	181
Capital.....	181
Expenses.....	181
Salaries.....	182
Administrative expenses of general offices.....	182
Wages.....	182
Supplies.....	182
Miscellaneous expenses.....	182
Use of long and short tons.....	182
Value of products.....	182
Persons engaged in the industry.....	182
Primary horsepower.....	182

Part I.—THE INDUSTRY AS A WHOLE.

General summary for the United States.....	183
Geographical distribution of coal mining.....	184
Producing fields of the United States.....	184
Production by geographic divisions and leading states..	184
Statistics of coal mining by geologic regions.....	184

Chapter IV.—COAL—Continued.	
Part I.—THE INDUSTRY AS A WHOLE—Continued.	
	Page.
Map showing coal mining fields in the United States: 1909..	185
Progress of the coal mining industry.....	186
Production by geographic divisions and leading states:	
1909, 1902, and 1889.....	186
Production by geologic regions: 1909 and 1889.....	187
Statistics for the United States: 1909 and 1889.....	188
Population and coal production: 1849-1909.....	189
Statistics of engines and power: 1909 and 1902.....	189
Character of organization.....	190
General summary.....	190
Statement for incorporated and unincorporated operators.....	190
Industrial affiliations of operators.....	191
Scale of production.....	192
Size of mines.....	192
Classification of operators according to value of products.....	192
Classification of operators according to the number of wage earners employed.....	193
Classification of operators according to acreage controlled.....	193
Distribution of expenses.....	194
Persons engaged in the industry.....	194
Occupational status.....	194
Classification of wage earners according to occupation.....	195
Wage earners employed, by months and hours of labor.....	196
Power.....	197
Part II.—PENNSYLVANIA ANTHRACITE COAL.	
Introduction.....	198
Location of the anthracite deposits.....	198
Methods of production.....	198
Number of collieries.....	198
General summary.....	198
Progress of the industry.....	199
Railway affiliation of operators.....	199
Scale of production.....	200
Classification of operators according to value of products.....	200
Classification of operators according to number of wage earners employed.....	200
Classification of operators according to coal land acreage.....	200
Expenses.....	201
Distribution of expenses for all collieries.....	201
Expenses and related data for mines and washeries.....	201
Royalty payments.....	202
Wage earners.....	202
Employment of wage earners above and below ground for different classes of collieries.....	202
Number of days collieries were operated.....	203
Map showing anthracite fields of Pennsylvania.....	203
Part III.—BITUMINOUS COAL.	
General summary.....	204
Statistics for mines with and without coke manufacture.....	204
Map showing relative production, by states.....	205
Coal mining exclusive of coke manufacture at the mines.....	206
Statistics of different kinds of bituminous coal.....	206
Progress of the industry.....	207
Comparative statistics, by states: 1909 and 1889.....	207
Statistics of land held by operators.....	209
Extent of holdings.....	209
Production according to tenure of land, by states.....	210
Statistics of holdings, by states: 1909 and 1889.....	210
Mines classified according to the relation of total expenses to value of products.....	211
Methods of mine operation.....	212
Pick and machine mining.....	212
Kind of mine opening.....	213
Disposition of coal.....	214
Statistics of commercial and of local operators.....	215

Chapter IV.—COAL—Continued.	
Part III.—BITUMINOUS COAL—Continued.	
	Page.
Statistics of operators classified according to their industrial affiliation.....	216
Scale of production.....	216
Size of mines.....	216
Classification of operators according to value of products.....	217
Classification of operators according to acreage controlled.....	218
Expenses.....	218
Average expenses per ton of coal, by states.....	218
Expenses for selected mines, by states.....	219
Expenses and related data for mines classified according to method of mining, selected states.....	219
Expenses and related data for mines classified according to kind of opening, selected states.....	221
Royalty payments, by states.....	222
Persons engaged in the industry.....	222
Classification according to general occupational status ..	222
Classification of wage earners according to occupation ...	223
Maximum and minimum numbers of wage earners reported, by states.....	223
Hours of labor, by states.....	224
Power.....	225
Mines operated with and without mechanical power, by states.....	225
Comparative statistics of power, by states: 1909 and 1902.....	225
Part IV.—GENERAL STATISTICS: 1909.	
Introduction.....	227
General statistics, by states: 1909.....	228
Chapter V.—IRON.	
Introduction.....	235
Definitions and explanations.....	235
Scope of census.....	235
Period covered.....	235
Number of operators.....	235
Capital.....	235
Expenses.....	235
Salaries and wages.....	235
Supplies and materials.....	235
Miscellaneous expenses.....	235
Value of products.....	235
Persons engaged in the industry.....	235
Primary horsepower.....	235
General summary: 1909.....	236
Producing mines—General summary, by districts.....	236
Producing and nonproducing enterprises.....	237
Progress of the industry.....	237
Summary for producing mines in the United States: 1879-1909.....	237
Comparison of ore production and pig-iron production, by five-year periods: 1890-1909.....	239
Annual production of iron ore, by states: 1879-1909.....	239
Diagram 1.—Production of iron ore—United States and principal producing regions: 1890-1909.....	239
Diagram 2.—Production of iron ore, by principal states: 1909, 1899, 1889, and 1879.....	240
Diagram 3.—Per cent of production of iron ore, by states: 1909.....	240
Average expenses per ton, by states: 1879-1909.....	241
Comparative summary for producing mines, by districts and states: 1909 and 1902.....	241
Comparative summary for nonproducing mines: 1909 and 1902.....	243
Land tenure, royalties, and taxes.....	244
Land tenure—Summary for the United States.....	244
Land tenure, by states.....	244
Concentration of control.....	244
Royalties.....	245
Taxes.....	245

Chapter V.—IRON—Continued.

	Page.
Persons engaged in the industry.....	246
Salaried employees.....	246
Wage earners, by age and occupation: 1909.....	246
Wage earners employed, by months.....	246
Days in operation.....	247
Prevailing hours of labor.....	247
Production and consumption of ore.....	248
Summary for the United States: 1909.....	248
Comparison with the report of the United States Geological Survey.....	248
Disposition of ore.....	249
Value of ore disposed of in different ways, with average values.....	249
Haulage, freight, commissions, and storage.....	250
Consumption of domestic ore compared with production.....	251
Affiliation of mines with blast furnaces.....	251
Consumption of domestic and foreign ore.....	252
Scale of production.....	252
Classification of operators according to the number of wage earners employed.....	252
Classification of operators according to value of products.....	253
Mines operated by proprietors who perform manual labor.....	253
Character of organization.....	254
Comparative summary for the United States: 1909 and 1902.....	254
General summary, by states: 1909.....	254
Land tenure, by character of organization.....	255
Methods of mining.....	256
Open-pit and underground mines.....	256
Use of machinery in mining.....	256
Mines using steam shovels.....	257
Mines without mechanical power.....	257
General table.....	257
Detailed statistics of iron mines, by districts and states: 1909.....	258

Chapter VI.—PETROLEUM AND NATURAL GAS.

Introduction.....	261
Arrangement of report.....	261
Definitions and explanations.....	261
Scope of census.....	261
Period covered.....	261
Number of operators.....	261
Persons engaged in the industry.....	261
Oil and gas land controlled.....	261
Capital.....	261
Expenses.....	261
Salaries.....	261
Administrative expenses of general offices.....	261
Wages.....	262
Supplies.....	262
Miscellaneous expenses.....	262
Primary horsepower.....	262

Part I.—THE INDUSTRY AS A WHOLE.

General summary for the United States.....	263
Summary for producing and nonproducing enterprises: 1909.....	263
Comparative summary: 1909 and 1902.....	264
Summary for producing enterprises, classified by principal product: 1909.....	265
Geographical distribution.....	266
Summary, by fields: 1909.....	268
Well record, by fields and states: 1909.....	268
Persons engaged in the industry.....	269
Occupational status.....	269
Salaried employees.....	270
Wage earners.....	270

Chapter VI.—PETROLEUM AND NATURAL GAS—Continued.

Part I.—THE INDUSTRY AS A WHOLE—Continued.

	Page.
Persons engaged in the industry—Continued.....	270
Kind of labor used.....	270
Wage earners employed, by months.....	271
Character of organization.....	272
Classification of operators by character of organization.....	272
Land tenure.....	273
Acreage and form of tenure.....	273
Land holdings by character of organization.....	274
Concentration of control.....	275
Scale of production.....	275
Classification of operators according to value of products.....	275
Classification of operators according to the number of wage earners employed.....	277
Mechanical power.....	278

Part II.—PETROLEUM.

Production of petroleum.....	279
Diagram—Production of petroleum, by fields: 1909.....	279
Character of organization.....	281
General summary.....	281
Detailed summary for incorporated and unincorporated operators.....	281
Scale of production.....	286
Classification of operators according to value of products.....	286
Classification of operators according to the number of wage earners employed.....	286

Part III.—NATURAL GAS.

Production and consumption of natural gas.....	287
Diagram.—Production of natural gas: 1909.....	287
Number of gas consumers.....	289
Gasoline.....	289
Character of organization.....	289
General summary.....	289
Detailed summary for incorporated and unincorporated operators.....	290
Cooperative associations in Indiana.....	290
Scale of production.....	291
Classification of operators according to value of products.....	291
Classification of operators according to the number of wage earners employed.....	291

Part IV.—SUPPLEMENTARY STATISTICS FOR PETROLEUM WELLS AND GAS WELLS.

General summary.....	293
Kind of labor used.....	294
Petroleum.....	294
Natural gas.....	295
Royalties.....	295
Petroleum.....	295
Natural gas.....	299
Depth of wells.....	299

Part V.—GENERAL STATISTICS.

Table 48.—Summary for operators, classified according to principal product: 1909.....	301
Table 49.—Petroleum and natural gas—Detailed statistics of producing enterprises, by character of operations, by fields and states: 1909.....	303
Table 50.—Petroleum—Detailed statistics of enterprises, by character of operations, by fields and states: 1909.....	307
Table 51.—Natural gas—Detailed statistics of enterprises, by character of operations and by states: 1909.....	310
Table 52.—Detailed statistics of nonproducing enterprises, by states: 1909.....	313

GENERAL TABLES.

	Page.		Page.
TABLE 1.—Producing mines, quarries, and wells—Comparative summary for the United States, by industries: 1909 and 1902.....	317	TABLE 7.—Producing mines, quarries, and wells—Land controlled, capital, expenses, value of products, number of persons engaged in mining industries, and power, for the United States, by industries: 1909.....	334
TABLE 2.—Producing mines, quarries, and wells—Comparative summary for the United States, by states: 1909 and 1902.....	318	TABLE 8.—Producing mines, quarries, and wells—Capital, expenses, value of products, number of persons engaged in mining industries, land controlled, and power, for United States, by states: 1909.....	336
TABLE 3.—All mines, quarries, and wells—Land controlled, capital, expenses, number of persons engaged in industries, and power for the United States, by industries: 1909.....	320	TABLE 9.—Nonproducing mines, quarries, and wells—Number of persons engaged in mining industries, land controlled, power, capital, and expenses: 1909.....	338
TABLE 4.—All mines, quarries, and wells—Land controlled, capital, expenses, number of persons engaged in mining industries, and power for the United States, by states: 1909.....	326	TABLE 10.—Nonproducing mines, quarries, and wells—Capital, expenses, number of persons engaged in mining industries, land controlled, and power, by states: 1909.....	340
TABLE 5.—Number of wage earners employed each month in producing and nonproducing enterprises, by industries: 1909.....	331	TABLE 11.—Number of enterprises in each state, by industries: 1909.....	342
TABLE 6.—Number of wage earners employed each month in producing and nonproducing enterprises, by states: 1909.....	332		

APPENDICES.

	Page.
APPENDIX A.—Schedules.....	351
APPENDIX B.—Instructions to special agents.....	355
APPENDIX C.—Instructions for editing and revising the schedules for mines, quarries, and wells.....	366

LETTER OF TRANSMITTAL.

DEPARTMENT OF COMMERCE,
BUREAU OF THE CENSUS,
Washington, D. C., December 3, 1913.

SIR:

I have the honor to transmit herewith Volume XI of the Reports of the Thirteenth Decennial Census, relating to mines and quarries.

The statistics relate to the year ended December 31, 1909. The field work was done for the most part by clerks detailed from the permanent force of the bureau and by special agents appointed expressly for the purpose. The compilation of the statistics and the preparation of the text for this report have been under the supervision of Isaac A. Hourwich, expert special agent for mining, in accordance with plans prepared by my predecessor, Hon. E. Dana Durand. The textual discussion for the special report on coal was prepared by John D. A. Morrow, special agent. When I assumed charge of the office I found that it was contemplated to include in the report on Mines and Quarries separate monographs on 15 of the leading industries. It, however, was impossible to carry out this scheme of presentation and publish the report at a reasonably early date, therefore these special monographs were abandoned, with the exception of those relating to anthracite and bituminous coal, iron ore, petroleum and natural gas. The volume, however, summarizes the statistics in considerable detail for all of the minerals in the United States and for the minerals in each state and territory.

Respectfully,



Director.

HON. WILLIAM C. REDFIELD,
Secretary of Commerce.