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CATALOGUE AND INDEX

OF THE

PUBLICATIONS OF THE UNITED STATES GEOLOGICAL SURVEY

1880 to 1901

BY

PHILIP CREVELING WARMAN

WASHINGTON
GOVERNMENT PRINTING OFFICE
1901
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LETTER OF TRANSMITTAL.

DEPARTMENT OF THE INTERIOR,
UNITED STATES GEOLOGICAL SURVEY,
Washington, D. C., March 15, 1901.

SIR: I have the honor to transmit herewith the manuscript for a Catalogue and Index of the Publications of the United States Geological Survey from 1880 to 1901, with the request that it be published as one of the numbers in the series of Bulletins.

Very respectfully, your obedient servant,

P. C. WARMAN,
Editor.

HON. CHARLES D. WALCOTT,
Director of United States Geological Survey.
This bulletin is an extension of Bulletin No. 100, published in 1893. In that work were catalogued and indexed the publications issued by the Survey from the date of its organization to the year 1892. This work brings the catalogue and index to date, embracing Annual Reports 1 to 21, Monographs I to XL (except Part I of Monograph XXXII, which has not been published), Bulletins 1 to 176, Water-Supply and Irrigation Papers 1 to 45, the 10 volumes of the old series of Mineral Resources (1882-1893), folios 1 to 70 of the Geologic Atlas of the United States, the completed topographic atlas sheets and folios (about 1,100 sheets, 3 folios), certain special maps (general, combined, forestry, etc.), and miscellaneous publications.

The first portion of the work, the catalogue, is much more abridged than the corresponding portion of Bulletin 100, bibliographic details having been omitted. The index has not been materially changed in character. It is intended to be mainly a broad classification of contents, alphabetically arranged, rather than a full index composed largely of unrelated items. It undertakes to put the inquirer on the proper highway, whence in most cases he will be able readily to find the place he seeks; but often he may profit by a consultation of the individual volume index to which this points, which should give him more detailed directions for finding particular places along diverging roads and lanes.

The index has been in preparation many months, and in the work the writer has had the assistance, during intervals in their regular work, of the following members of the editorial corps: Mr. F. R. Rutter, Mr. L. F. Schmeckebier, Mr. W. S. Wiley, Miss M. G. Wilmarth, and Mr. G. M. Wood.

P. C. W.
CATALOGUE AND INDEX OF PUBLICATIONS OF THE UNITED STATES GEOLOGICAL SURVEY, 1880-1901.

By P. C. Warman.

CATALOGUE.

ANNUAL REPORTS.


8°. lv, 588 pp., 62 pls. and maps and 1 unnumbered map in pocket. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

- Administrative reports by heads of divisions, pp. 3-46, pls. viii-ix.
- The physical geology of the Grand Canyon district, by Clarence E. Dutton, pp. 47-166, pls. x-xxxvi and 1 unnumbered map.
- Contributions to the history of Lake Bonneville, by G. K. Gilbert, pp. 167-200, pls. xxxvii-xlili.
- Abstract of report on geology and mining industry of Leadville, Lake County, Colorado, by S. F. Emmons, pp. 201-290, pls. xlv-xliv.
- Production of the precious metals in the United States, by Clarence King, pp. 331-401, pls. xlviii-liii.
- Index, pp. 567-588.


8°. xviii, 564 pp., xxxv + 32 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.
Administrative reports of chiefs of divisions, pp. 1-41, pls. i-ii.
Birds with teeth, by Professor O. C. Marsh, pp. 45-88.
The copper-bearing rocks of Lake Superior, by Roland Duer Irving, pp. 89-188, pls. iii-xvii.
Sketch of the geological history of Lake Lahontan, a Quaternary lake of northwestern Nevada, by Israel C. Russell, pp. 189-235, pls. xvii-xxiii.
Index, pp. 551-564.

Fourth Annual Report of the United States Geological Survey to the Secretary of the Interior 1882-'83. by J. W. Powell Director
8°. xxxii, 473 pp., 85 pls. and maps. Bound in dark maroon cloth (Survey edition). Separates of the various papers were issued, in paper covers.
Report of the Director, pp. xiii-xxxii, pl. i.
Administrative reports of chiefs of divisions, pp. 1-72.
A review of the fossil Ostreidse of North America, and a comparison of the fossil with the living forms, by Charles A. White, M. D, with appendices by Prof. Angelo Heilprin and Mr. John A. Ryder, pp. 273-430, pls. xxxiv-lxxxii.
A geological reconnaissance in southern Oregon, by Israel C. Russell, pp. 431-464, pls. lxxxiii-lxxxv.
Index, pp. 465-473.

Fifth Annual Report of the United States Geological Survey to the Secretary of the Interior 1883-'84 by J. W. Powell Director
8°. xxxvi, 469 pp., 58 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.
Report of the Director, pp. xvii-xxxvi, pls. i-ii.
Administrative reports of chiefs of divisions, pp. 1-66.
The topographic features of lake shores, by G. K. Gilbert, pp. 69-123, pls. iii-xx.
The requisite and qualifying conditions of artesian wells, by Thomas C. Chamberlin, pp. 125-173, pl. xxi.
The gigantic mammals of the order Dinocerata, by Professor O. C. Marsh, pp. 243-302.
Existing glaciers of the United States, by Israel C. Russell, pp. 303-355, pls. xxxii-lv.
Sketch of paleobotany, by Lester F. Ward, pp. 357-452, pls. lvi-lviii.
Index, pp. 453-469.

NOTE.—A pocket carries a map (pl. ii) of the United States, "exhibiting the present status of knowledge relating to the areal distribution of geologic groups (preliminary compilation), compiled by W J McGee, 1884." (See notes to Fourteenth and Twenty-first annual reports, pp. 17 and 31 of this bulletin.)

8°. xxix, 570 pp., 65 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

- Administrative reports of chiefs of divisions, pp. 1–101, pls. iv–x.
- The quantitative determination of silver by means of the microscope, by Joseph Story Curtis, pp. 323–352, pl. xxx.
- Index, pp. 559–570.


8°. xx, 656 pp., 71 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

- Report of the Director, pp. 3–42.
- Administrative reports of chiefs of divisions, pp. 43–143, pls. i–vii.
- The rock scorings of the great ice invasions, by T. C. Chamberlin, pp. 147–248, pl. viii.
- On the classification of the early Cambrian and pre-Cambrian formations, a brief discussion of principles, illustrated by examples drawn mainly from the Lake Superior region, by R. D. Irving, pp. 365–454, pls. xxx–lii.
- The geology of the head of Chesapeake Bay, by W J McGee, pp. 537–646, pls. lvi–lxxi.
- Index, pp. 647–656.


8°. 2 pts. xix, 474, xii pp., 53 pls. and maps; 1 prel. l. (title), 475–1063 pp., 54–76 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

- Pt. 1. Report of the Director, pp. 3–93, pl. i.
- Administrative reports of chiefs of divisions, pp. 95–257, pls. ii–xv.

Index pp. i–xii.

Pt. II. The Trenton limestone as a source of petroleum and inflammable gas in Ohio and Indiana, by Edward Orton, pp. 475–662, pls. liv–lx.
The geographical distribution of fossil plants, by Lester F. Ward, pp. 663–960, pl. lxi.
The geology of the island of Mount Desert, Maine, by Nathaniel Southgate Shaler, pp. 987–1061, pls. lxiv–lxviii.
Index, p. 1063.

Ninth Annual Report of the United States Geological Survey to the Secretary of the Interior 1887–’88 by J. W. Powell Director

8°. xiii, 717 pp., 88 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Administrative reports of chiefs of divisions, pp. 47–199, pls. i–vi.
The geology of Cape Ann, Massachusetts, by Nathaniel Southgate Shaler, pp. 529–611, pls. xxxii–lxxvii.
Formation of travertine and siliceous sinter by the vegetation of hot springs, by Walter Harvey Weed, pp. 613–676, pls. lxxviii–lxxxvii.
On the geology and physiography of a portion of northwestern Colorado and adjacent parts of Utah and Wyoming, by Charles A. White, pp. 677–712, pl. lxxxviii.
Index, pp. 713–717.


8°. 2 pts. xv, 774 pp., 98 pls. and maps; viii, 123 pp. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Geology. xv, 774 pp., 98 pls. and maps.
Administrative reports of chiefs of divisions, pp. 81–252.
Index, pp. 765–774.

Pt. II. Irrigation. viii, 123 pp.
Eleventh Annual Report of the United States Geological Survey to the Secretary of the Interior 1889–90 by J. W. Powell Director

Part I—Geology

Part II—Irrigation

[Vignette]

Washington Government Printing Office 1891

8°. 2 pts. xv, 757 pp., 66 pls. and maps; xiv, 395 pp., 67-96 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Geology. xv, 757 pp., 66 pls. and maps.

Report of the Director, pp. 3-30, pl. i.

Administrative reports of chiefs of divisions, pp. 31-185.

The Pleistocene history of northeastern Iowa, by W J McGee, pp. 189-577, pls. ii-ixi.


Index, pp. 743-757.

Pt. II. Irrigation. xiv, 395 pp., 67-96 pls. and maps.

Abstract of report, pp. xi-xiv.

Hydrography, pp. 1-110, pls. lxvii-lxxiv.

Engineering, pp. 111-200, pls. lxxv-lcxi.

The arid lands, pp. 201-289.

Topography, pp. 291-343.

Irrigation literature, pp. 345-388.

Index, pp. 389-395.

Twelfth Annual Report of the United States Geological Survey to the Secretary of the Interior 1890–91 by J. W. Powell Director

Part I—Geology

Part II—Irrigation

[Vignette]

Washington Government Printing Office 1891

8°. 2 pts. xiii, 675 pp., 53 pls. and maps; xviii, 576 pp., 54-146 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Geology. xiii, 675 pp., 53 pls. and maps.

Report of the Director, pp. 3-19, pl. i.

Administrative reports of chiefs of divisions, pp. 21-210.

The origin and nature of soils, by Nathaniel Southgate Shaler, pp. 213-345, pls. ii-xxx.


Index, pp. 665-675.

Pt. II. Irrigation. xviii, 576 pp., 54-146 pls. and maps.

Report upon the location and survey of reservoir sites during the fiscal year ended June 30, 1891, by A. H. Thompson, chief of western division of topography, pp. 1-212, pls. lv-lvi.


Irrigation in India, by Herbert M. Wilson, C. E., pp. 363-561, pls. cvii-cxlvi.

Financial statement, pp. 562-568.

Index, pp. 569-576.

8°. 3 pts. vii, 240 pp., 2 maps; x, 372 pp. and 22 unnumbered leaves, 107 pls. and maps; xi, 486 pp., 108-184 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Director's report and reports of chiefs of divisions. vii, 240 pp., 2 maps.
Report of the Director, pp. 3-66, pls. i, ii (maps).
Administrative reports of chiefs of divisions, pp. 67-235.
Index, pp. 237-240.

Pt. II. Geology. x, 372 pp. and 22 unnumbered leaves, 107 pls. and maps.
The geological history of harbors, by Nathaniel Southgate Shaler, pp. 93-209, pls. xxii-xlv.
The mechanics of Appalachian structure, by Bailey Willis, pp. 211-281 and 22 unnumbered leaves, pls. xlvi-xcvi.
The average elevation of the United States, by Henry Gannett, pp. 283-289, pl. civ (in pocket).
The American Tertiary Aphide, with a list of the known species and tables for their determination, by Samuel Hubbard Scudder, pp. 341-366, pls. cii-cxiv.
Index, pp. 367-372.

Pt. III. Irrigation. xi, 486 pp., 108-184 pls. and maps.
Engineering results of irrigation survey, by Herbert M. Wilson, pp. 351-427, pls. clxvii-clxxxii.
Report upon the construction of topographic maps and the selection and survey of reservoir sites in the hydrographic basin of the Arkansas River, Colorado, by A. H. Thompson, pp. 429-444.
Report upon the location and survey of reservoir sites during the fiscal year ending June 30, 1892, by A. H. Thompson, pp. 445-478, pls. clxxxiii, clxxxiv.
Index, pp. 479-486.


8°. 2 pts. 321 pp., 1 map; xx, 597 pp., 74 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Director's report and reports of chiefs of divisions. 321 pp., 1 map.
Report of the Director, pp. 3-165, 1 map (in pocket).
Pt. I. Director's report and reports of chiefs of divisions—Continued.
Administrative reports of chiefs of divisions, pp. 167-318.
Index, pp. 319-321.

Pt. II. Accompanying papers, pp. 319-321.
The potable waters of eastern United States, by W J McGee, pp. 1-47.
Natural mineral waters of the United States, by A. C. Peale, pp. 49-88,
pls. iii-iv.
Results of stream measurements, by F. H. Newell, pp. 89-155, pls. v-vi.
The laccolitic mountain groups of Colorado, Utah, and Arizona, by Whitman Cross, pp. 157-241, pls. vii-xvi.

Tertiary revolution in the topography of the Pacific coast, by J. S. Diller, pp. 397-434, pls. xl-xlvi.
Pre-Cambrian igneous rocks of the Unkar terrane, Grand Canyon of the Colorado, Arizona, by Charles D. Walcott; with notes on the petrographic character of the lavas, by Joseph Paxson Iddings, pp. 497-524, pls. lx-lxv.

The Potomac and Roaring Creek coal fields, in West Virginia, by Joseph D. Weeks, pp. 567-590, pls. lxxiii, lxxiv.

Index, pp. 591-597.

Note.—A pocket in the cover of Part II carries a reconnaissance map of the United States showing the distribution of the geologic systems as far as known, compiled from data in the possession of the United States Geological Survey, by W J McGee, 1893. (See notes to Fifth and Twenty-first annual reports, pp. 12, 31, of this bulletin.)


8°. xiv, 755 pp., 48 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. - Separates of the various papers were issued, in paper covers.

Report of the Director, pp. 3-108, pl. i.
Sketch of the geology of the San Francisco peninsula, by Andrew C. Lawson, pp. 399-476, pls. v-xii.
The origin and relations of central Maryland granites, by Charles Rollin Keyes, with an introduction on the general relations of the granitic rocks in the Middle Atlantic Piedmont Plateau, by George Huntington Williams, pp. 651-740, pls. xxvii-xlvi.

Index, pp. 741-755.

Sixteenth Annual Report of the United States Geological Survey to the Secretary of the Interior 1894-95 Charles D. Walcott Director

Bull. 177—01—2

8°.  4 pts.  xxii, 910 pp., 118 pls. and maps;  xix, 598 pp., 42 pls. and maps;  xv, 646 pp., 23 pls. and maps;  xix, 735 pp., 6 pls. and maps.  Bound in dark maroon cloth (Survey edition).  Out of stock.  Separates of the various papers were issued, in paper covers.

Pt.  I.  Director’s report and papers of a theoretic nature.  xxii, 910 pp., 117 pls. and maps.
  Report of the Director, pp. 1-130, 1 map.
  Glacier Bay and its glaciers, Alaska, by Harry Fielding Reid, pp. 415-461, pls. lxxvi-xcvi and xcva.
  Some analogies in the Lower Cretaceous of Europe and America, by Lester F. Ward, pp. 463-542, pls. xcvi-cxvii.
  Summary of the primary triangulation executed by the United States Geological Survey between the years 1882 and 1894, by Henry Gannett, chief topographer, pp. 875-885.
  Index, pp. 887-910.

Pt.  II.  Papers of an economic character.  xix, 598 pp., 43 pls. and maps.
  Geology and mining industries of the Cripple Creek district, Colorado, by Whitman Cross (general geology) and R. A. F. Penrose, jr. (mining geology), pp. 1-209, pls. i-xiv and supplemental map.
  The geology of the road-building stones of Massachusetts, with some consideration of similar materials from other parts of the United States, by Nathaniel Southgate Shaler, pp. 277-341, pls. xviii-xxiv.
  Economic geology of the Mercur mining district, Utah, by J. Edward Spurr, with introduction by S. F. Emmons, pp. 343-455, pls. xxv-xxxiv.
  The public lands and their water supply, by Frederick Haynes Newell, pp. 457-533, pls. xxxv-xxxix.
  Index, pp. 589-598.

Pt.  III.  Mineral resources of the United States, 1894; metallic products.  xv, 646 pp., 23 pls.
  Summary, pp. 5-19.
  The production of iron ores in various parts of the world, by John Birkinbine, pp. 21-218, pls. i-xv.
  Iron and steel and allied industries in all countries, by James M. Swank, general manager of the Iron and Steel Association, pp. 219-250.
Pt. III. Mineral resources of the United States, 1894; metallic products—Cont.
Copper, by Charles Kirchhoff, pp. 332–358.
The production of tin in various parts of the world, by Charles M. Rolker, pp. 458–538, pl. xix.
Quicksilver, pp. 598–604.
Nickel, pp. 605–607.
Chromium, pp. 608–614.
Antimony, by Edward W. Parker, pp. 624–646.
Index, pp. 635–646.
Pt. IV. Mineral resources of the United States, 1894; nonmetallic products. xix, 735 pp., 6 pls.
Coal, by Edward W. Parker, pp. 1–217.
The manufacture of coke, by Joseph D. Weeks, pp. 218–304.
Asphaltum, by Edward W. Parker, pp. 430–435.
Soapstone, by Edward W. Parker, pp. 511–513.
Magnesite, pp. 514–516.
Clay, pp. 517–575.
Technology of the clay industry, by Heinrich Ries, pp. 523–575.
Precious stones, by George Frederick Kunz, pp. 595–605.
The Tennessee phosphates, by Charles Willard Hayes, pp. 610–630, pls. v, vi.
Commercial development of the Tennessee phosphate, by C. G. Memminger, pp. 631–635.
Sulphur and pyrites, by Edward W. Parker, pp. 636–645.
Salt, by Edward W. Parker, pp. 646–657.
Gypsum, by Edward W. Parker, pp. 662–666.
Monazite, by H. B. C. Nitze, pp. 667–693.
Mineral paints, by Edward W. Parker, pp. 694–700.
Pt. IV. Mineral resources of United States, 1894, nonmetallic products—Cont’d.
  Barytes, by Edward W. Parker, pp. 701-702.
  Asbestos, by Edward W. Parker, pp. 703-706.
  Index, pp. 723-735.

Note.—Parts III and IV of the Sixteenth Annual Report are the direct continuation of the separate series of statistical papers known as Mineral Resources of the United States, 1882-1893, ten volumes (see pp. 49-63 of this bulletin).


8°. 3 pts. in 4 vols. xxii, 1076 pp., 67 pls. and maps; xxv, 864 pp., 113 pls. and maps; xxiii, 542 pp., 8 pls. and maps; iii, 543-1058 pp., 9-13 pls. and maps. Bound in dark maroon cloth (Survey edition). Out of stock. Separates of the various papers were issued, in paper covers.

Pt. I. Director's report and other papers. xxii, 1076 pp., 67 pls. and maps.
  Report of the Director, pp. 1-200, pl. i.
  A geological reconnaissance in northwestern Oregon, by Joseph Silas Diller, pp. 441-520, pls. iv-xvi.
  Further contributions to the geology of the Sierra Nevada, by Henry W. Turner, pp. 521-762, pls. xvii-xlvi.
  Appendix I. Report on the fossil plants collected in Alaska in 1895, as well as an enumeration of those previously known from the same region, with a table showing their relative distribution, by F. H. Knowlton, pp. 876-897.
  The uintaite (gilsonite) deposits of Utah, by George Homans Eldridge, pp. 909-949, pls. lix, lx.
  The glacial brick clays of Rhode Island and southeastern Massachusetts, by N. S. Shaler, J. B. Woodworth, and C. F. Marbut, pp. 951-1004, pls. lxi, lxii.
  Index, pp. 1061-1076.

Pt. II. Economic geology and hydrography. xxv, 864 pp., 113 pls. and maps.
  The gold-quartz veins of Nevada City and Grass Valley districts, California, by Waldemar Lindgren, pp. 1-262, pls. i-xxiv.
Pt. II. Economic geology and hydrography—Continued.

The mines of Custer County, Colorado, by Samuel Franklin Emmons, pp. 405-472, pl. xxxvii.

Geologic section along the New and Kanawha rivers in West Virginia, by Marius R. Campbell and Walter C. Mendenhall, pp. 473-511, pls. xxxviii-xxxix.


The underground water of the Arkansas Valley in eastern Colorado, by Grove Karl Gilbert, pp. 551-601, pls. lvi-lxiv.


The water resources of Illinois, by Frank Leverett, pp. 695-849, pls. cxviii-cxlix.

Index, pp. 851-864.

Pt. III. Mineral resources of the United States, 1895; metallic products and coal.

Summary, pp. 5-21.

Iron ores, by John Birkinbine, pp. 23-43, pls. i-v.

Present condition of the iron and steel industries of the United States, by James M. Swank, general manager of the American Iron and Steel Association, pp. 45-71.

Gold and silver, pp. 72-79.

Copper, by Charles Kirchhoff, pp. 81-129.


Quicksilver, pp. 179-184.

Manganese, by Joseph D. Weeks, pp. 185-225.

Tin, pp. 227-242.

The occurrence of tin ore in the islands of Banca and Billiton, by O. H. Van der Wyck, pp. 227-242.

Aluminum, pp. 243-251.

Aluminum manufacture in Europe, by Alfred E. Hunt, pp. 245-251.

Nickel and cobalt, pp. 253-260.


Antimony, by Edward W. Parker, pp. 275-280.

Platinum, pp. 281-283.

Coal, by Edward W. Parker, pp. 285-542, pls. vi-viii.


Pt. III (Continued). Mineral resources of the United States, 1895; nonmetallic products, except coal. iii, 543-1058 pp., 5 pls.


Natural gas, by Joseph D. Weeks, pp. 733-750.

Asphaltum, by Edward W. Parker, pp. 751-758.

Stone, by William C. Day, pp. 759-811, pls. ix, x.

The sandstones of western Indiana, by T. C. Hopkins, pp. 780-787.


Soapstone, by Edward W. Parker, pp. 813-816.

Clay, pp. 817-880, pls. xi-xii.


Flint and feldspar, by William Golding, pp. 838-841.

The pottery industry of the United States, by Heinrich Ries, pp. 842-880, pls. xi, xii.
Pt. III (Continued). Mineral resources of the United States, etc.—Continued.
Precious stones, by George F. Kunz, pp. 895–926.
Abrasives, by Edward W. Parker, pp. 927–950, pl. xiii.
Corundum deposits of the southern Appalachian region, by J. A. Holmes, pp. 935–943, pl. xiii.
The manufacture and use of corundum, by Charles N. Jenks, pp. 943–947.
Phosphate rock, pp. 951–957.
Sulphur and pyrites, by Edward W. Parker, pp. 958–977.
Gypsum, by Edward W. Parker, pp. 978–983.
Salt, by Edward W. Parker, pp. 984–997.
Fluorspar and cryolite, pp. 998–999.
Mica, pp. 1000–1003.
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NOTE.—On March 2, 1895, the following provision was included in an act of Congress: “Provided, That hereafter the report of the Mineral Resources of the United States shall be issued as part of the report of the Director of the United States Geological Survey.” In conformity with this act, Mineral Resources as a distinct series was discontinued with the tenth volume, the report for the calendar year 1893. See note to Sixteenth Annual Report, p. 20 of this bulletin.
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<td>43° 30'-44°</td>
<td>864</td>
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<td>46</td>
<td>Richmond</td>
<td>Kentucky</td>
<td>84°-84° 30'</td>
<td>37° 30'-38°</td>
<td>944</td>
<td>25</td>
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<tr>
<td>47</td>
<td>London</td>
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<td>84°-84° 30'</td>
<td>37°-37° 30'</td>
<td>950</td>
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<tr>
<td>48</td>
<td>Tenmile District Special</td>
<td></td>
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<td>55</td>
<td>25</td>
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<tr>
<td>49</td>
<td>Roseburg</td>
<td>Oregon</td>
<td>123°-123° 30'</td>
<td>43°-43° 30'</td>
<td>871</td>
<td>25</td>
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<tr>
<td>50</td>
<td>Holyoke</td>
<td></td>
<td>70° 30'-73°</td>
<td>42°-42° 30'</td>
<td>885</td>
<td>50</td>
</tr>
<tr>
<td>51</td>
<td>Big Trees</td>
<td>California</td>
<td>120°-120° 30'</td>
<td>38°-38° 30'</td>
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<tr>
<td>52</td>
<td>Absaroka:</td>
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<td></td>
<td>Crandall</td>
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<td>Ishawoosa</td>
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<td>53</td>
<td>Standingstone</td>
<td>Tennessee</td>
<td>85°-85° 30'</td>
<td>36°-36° 30'</td>
<td>963</td>
<td>25</td>
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<tr>
<td>54</td>
<td>Tacoma</td>
<td></td>
<td>122°-122° 30'</td>
<td>47°-47° 30'</td>
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<tr>
<td>55</td>
<td>Fort Benton</td>
<td>Montana</td>
<td>110°-110° 30'</td>
<td>47°-48°</td>
<td>3,273</td>
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<td>56</td>
<td>Little Belt Mts</td>
<td></td>
<td>110°-111°</td>
<td>46°-47°</td>
<td>3,295</td>
<td>25</td>
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<tr>
<td>57</td>
<td>Telluride</td>
<td>Colorado</td>
<td>107° 45'-108°</td>
<td>37° 45'-38°</td>
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<td>25</td>
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<tr>
<td>58</td>
<td>Elmororo</td>
<td></td>
<td>104°-104° 30'</td>
<td>37°-37° 30'</td>
<td>950</td>
<td>25</td>
</tr>
<tr>
<td>59</td>
<td>Bristol</td>
<td></td>
<td>82°-82° 30'</td>
<td>36° 30'-37°</td>
<td>957</td>
<td>25</td>
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<tr>
<td>60</td>
<td>La Plata</td>
<td>Colorado</td>
<td>108°-108° 15'</td>
<td>37° 15'-37° 30'</td>
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<tr>
<td>61</td>
<td>Monterey</td>
<td>(West Va)</td>
<td>79° 30'-80°</td>
<td>38°-38° 30'</td>
<td>998</td>
<td>25</td>
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<tr>
<td>62</td>
<td>Menominee Special</td>
<td>Michigan</td>
<td>(a NW.-SE. area, about 30 m. long, 63 wide)</td>
<td>125</td>
<td>25</td>
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<tr>
<td>63</td>
<td>Mother Lode</td>
<td>California</td>
<td>(a NW.-SE. rectangle, 70 m. long, 6 wide)</td>
<td>428</td>
<td>50</td>
<td></td>
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<tr>
<td>64</td>
<td>Uvalde</td>
<td>Texas</td>
<td>99° 30'-100°</td>
<td>29°-29° 30'</td>
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<td>25</td>
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<tr>
<td>65</td>
<td>Tintic Special</td>
<td>Utah</td>
<td>111° 55'-112° 10'</td>
<td>38° 45'-40°</td>
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<tr>
<td>66</td>
<td>Colfax</td>
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<td>120° 30'-121°</td>
<td>39°-39° 30'</td>
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<tr>
<td>67</td>
<td>Danville</td>
<td>(Illinois)</td>
<td>87° 30'-87° 45'</td>
<td>40°-40° 15'</td>
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<td>25</td>
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<tr>
<td>68</td>
<td>Walsenburg</td>
<td>(Indiana)</td>
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<td></td>
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<tr>
<td></td>
<td></td>
<td>Colorado</td>
<td>104° 30'-105°</td>
<td>37° 30'-35°</td>
<td>944</td>
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<tr>
<td>69</td>
<td>Huntington</td>
<td>(West Va)</td>
<td>82°-82° 30'</td>
<td>38°-38° 30'</td>
<td>938</td>
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<td>Ohio</td>
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<td></td>
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<td>(Dist. of Columbia)</td>
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<tr>
<td>70</td>
<td>Washington</td>
<td>(Virginia)</td>
<td>76° 45'-77° 15'</td>
<td>38° 45'-39°</td>
<td>465</td>
<td>50</td>
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</table>
When, in 1882, the Geological Survey was directed by law to make a geologic map of the United States, there was in existence no suitable topographic map to serve as a base for the geologic map. The preparation of such a topographic map was therefore immediately begun. About three-tenths of the area of the country, excluding Alaska, has now been thus mapped. The map is published in atlas sheets, each sheet representing a small quadrangular district, as explained under the preceding heading. The separate sheets are sold at 5 cents each when fewer than 100 copies are purchased, but when they are ordered in lots of 100 or more copies, whether of the same sheet or of different sheets, the price is 2 cents each. The mapped areas are widely scattered, nearly every State being represented. About 1,100 sheets have been engraved and printed; they are tabulated below.

Published topographic atlas sheets, arranged by States. (a)

<table>
<thead>
<tr>
<th>Name of atlas sheet</th>
<th>Position of SE. corner of sheet</th>
<th>Area covered</th>
<th>Contour interval</th>
<th>Scale</th>
<th>Price</th>
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<td>Anniston</td>
<td>33 30 30</td>
<td>33 30</td>
<td>100</td>
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<td>Ashland</td>
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<td>33 00</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
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<tr>
<td>Bessemer</td>
<td>33 00 30</td>
<td>33 00</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
</tr>
<tr>
<td>Birmingham</td>
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<td>33 30</td>
<td>100</td>
<td>1:125000</td>
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<td>Brookwood</td>
<td>33 00 00</td>
<td>33 00</td>
<td>100</td>
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<td>5</td>
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<tr>
<td>Clanton</td>
<td>32 30 30</td>
<td>32 30</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
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<tr>
<td>Cullman</td>
<td>34 00 30</td>
<td>34 00</td>
<td>100</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Fort Payne (Ala.-Ga.)</td>
<td>35 30 00</td>
<td>35 30</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
</tr>
<tr>
<td>Gadsden</td>
<td>34 00 00</td>
<td>34 00</td>
<td>100</td>
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<td>36 30</td>
<td>100</td>
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<tr>
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<td>1:125000</td>
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<tr>
<td>Rome (Ga.- Ala.)</td>
<td>34 00 30</td>
<td>34 00</td>
<td>100</td>
<td>1:125000</td>
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<tr>
<td>Scottsboro (Ala.-Tenn.)</td>
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<td>36 00</td>
<td>100</td>
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<td>Springville</td>
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<td>33 30</td>
<td>100</td>
<td>1:125000</td>
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<tr>
<td>Stevenson (Ala.-Ga.-Tenn.)</td>
<td>35 30 00</td>
<td>35 30</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
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<tr>
<td>Talladega</td>
<td>33 00 30</td>
<td>33 00</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
</tr>
<tr>
<td>Tallapoosa (Ga.-Ala.)</td>
<td>35 30 30</td>
<td>35 30</td>
<td>100</td>
<td>1:125000</td>
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</table>

(a) The Survey has issued a sheet of "Conventional signs" used on its topographic maps; price, 5 cents a single sheet; 2 cents each in lots of 100 or more.

67
### Arizona

<table>
<thead>
<tr>
<th>Name of atlas sheet</th>
<th>Position of SE. corner of sheet</th>
<th>Area covered</th>
<th>Contour interval</th>
<th>Scale</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camp Mohave (Ariz.-Nev.-Cal.)</td>
<td>Lat. 36 00, Long. 114 00</td>
<td>1 degree</td>
<td>250</td>
<td>1:250000</td>
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</tr>
<tr>
<td>Canyon de Chelly (Ariz.-N. Mex.)</td>
<td>Lat. 36 00, Long. 112 00</td>
<td>do</td>
<td>250</td>
<td>1:250000</td>
<td>5</td>
</tr>
<tr>
<td>Chino</td>
<td>Lat. 36 00, Long. 113 00</td>
<td>do</td>
<td>250</td>
<td>1:250000</td>
<td>5</td>
</tr>
<tr>
<td>Diamond Creek</td>
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<td>do</td>
<td>250</td>
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<td>5</td>
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<tr>
<td>Echo Cliffs</td>
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<td>do</td>
<td>250</td>
<td>1:250000</td>
<td>5</td>
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<tr>
<td>Fort De Anza (Ariz.-N. Mex.)</td>
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<td>do</td>
<td>250</td>
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</tr>
<tr>
<td>Holbrook</td>
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<td>do</td>
<td>250</td>
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<tr>
<td>Kalba</td>
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<td>250</td>
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<tr>
<td>Marsh Pass</td>
<td>Lat. 36 00, Long. 110 00</td>
<td>do</td>
<td>250</td>
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<tr>
<td>Mount Trumbull</td>
<td>Lat. 36 00, Long. 113 00</td>
<td>do</td>
<td>250</td>
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<td>5</td>
</tr>
<tr>
<td>Prescott</td>
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<tr>
<td>St. John's (Ariz.-N. Mex.)</td>
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<td>do</td>
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<tr>
<td>St. Thomas (Nev.-Ariz.)</td>
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<tr>
<td>San Francisco Mountain</td>
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<tr>
<td>Tusayan</td>
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<tr>
<td>Verde</td>
<td>Lat. 34 00, Long. 111 00</td>
<td>do</td>
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### Arkansas

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<th>Contour interval</th>
<th>Scale</th>
<th>Price</th>
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<tr>
<td>Batesville</td>
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<td>1/2 degree</td>
<td>50</td>
<td>1:125000</td>
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<tr>
<td>Benton</td>
<td>Lat. 34 30, Long. 92 30</td>
<td>do</td>
<td>50</td>
<td>1:125000</td>
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<tr>
<td>Dardanelle</td>
<td>Lat. 35 00, Long. 93 00</td>
<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Fayetteville (Ark.-Mo.)</td>
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<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Fort Smith (Ark.-Ind. T.)</td>
<td>Lat. 35 00, Long. 94 00</td>
<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Hot Springs</td>
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<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Little Rock</td>
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<td>do</td>
<td>50</td>
<td>1:125000</td>
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<tr>
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<td>do</td>
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<td>1:125000</td>
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<tr>
<td>Marshall</td>
<td>Lat. 35 30, Long. 92 30</td>
<td>do</td>
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<tr>
<td>Morrilllon</td>
<td>Lat. 35 00, Long. 92 30</td>
<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Mount Ida</td>
<td>Lat. 34 30, Long. 93 30</td>
<td>do</td>
<td>50</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Mountain Home (Ark.-Mo.)</td>
<td>Lat. 36 00, Long. 92 00</td>
<td>do</td>
<td>50</td>
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</tr>
<tr>
<td>Mountain View</td>
<td>Lat. 35 30, Long. 92 00</td>
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<tr>
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<tr>
<td>Tahlequah (Ark.-Ind. T.)</td>
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(See also special maps, p. 110.)

### California

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<th>Area covered</th>
<th>Contour interval</th>
<th>Scale</th>
<th>Price</th>
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<tr>
<td>Bidwell Bar</td>
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<td>100</td>
<td>1:125000</td>
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</tr>
<tr>
<td>Big Trees</td>
<td>Lat. 38 00, Long. 120 00</td>
<td>do</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
</tr>
<tr>
<td>Camp Mohave (Ariz.-Nev.-Cal.)</td>
<td>Lat. 35 00, Long. 114 00</td>
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<td>250</td>
<td>1:250000</td>
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<td>1:62500</td>
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<tr>
<td>Chico</td>
<td>Lat. 39 30, Long. 121 30</td>
<td>1/2 degree</td>
<td>100</td>
<td>1:125000</td>
<td>5</td>
</tr>
<tr>
<td>Colfax</td>
<td>Lat. 39 00, Long. 120 30</td>
<td>do</td>
<td>100</td>
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<tr>
<td>Concord</td>
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<td>do</td>
<td>25</td>
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\*Arroyo Grande, Cayucos, Port Harford, and San Luis Obispo sheets, on scale of 1:62500, have been reduced and form parts of San Luis, on scale of 1:125000.*
# TOPOGRAPHIC ATLAS SHEETS.

Published topographic atlas sheets, arranged by States—Continued.

## CALIFORNIA—Continued.

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<td>Cents.</td>
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<tr>
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- a. Riverside sheet, on scale of 1:62500, has been reduced and forms part of Elsinore, on scale of 1:125000.
- b. Lake Tahoe and Vicinity includes Carson, Markleeville, Pyramid Peak, and Truckee sheets.
- c. Los Angeles includes Pasadena and Santa Monica sheets.
- d. Arroyo Grande, Cayucas, Port Harford, and San Luis Obispo sheets, on scale of 1:62500, have been reduced and form parts of San Luis, on scale of 1:125000.
### PUBLICATIONS OF U. S. GEOLOGICAL SURVEY.

**Published topographic atlas sheets, arranged by States—Continued.**

**CALIFORNIA—Continued.**

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(See also special maps, p. 110.)

### COLORADO.

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* Lake Tahoe and Vicinity includes Carson, Markleeville, Pyramid Peak, and Truckee sheets.*
**TOPOGRAPHIC ATLAS SHEETS.**

*Published topographic atlas sheets, arranged by States—Continued.*

**COLORADO—Continued.**

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(See also special maps, p. 110.)

**CONNECTICUT.**

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(See also general maps, p. 109.)

---

a Granville and Springfield sheets, on scale of 1:62500, have been reduced and form parts of Holyoke, on scale of 1:125000.

b Sandisfield and Sheffield sheets, on scale of 1:62500, have been reduced and form parts of Housatonic, on scale of 1:125000.
### Delaware

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### Florida

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### Georgia

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a Bayside sheet, on scale of 1:62500, has been reduced and forms part of Vineland, on scale of 1:125000.
b Chester and Salem sheets, on scale of 1:62500, have been reduced and form parts of Camden, on scale of 1:125000.
c Philadelphia and Vicinity includes Chester, Germantown, Norristown, and Philadelphia sheets.
d East Washington sheet, on scale of 1:62500, has been reduced and forms part of Patuxent, on scale of 1:125000.
e Out of stock.
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*Clinton, Goose Lake, and LeClaire sheets, on scale of 1:62500, have been reduced and form parts of Cordova, on scale of 1:125000.*
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**ILLINOIS—Continued.**

**INDIANA.**

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(See also general maps, p. 109.)

**IOWA.**

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a Baldwin and Maquoketta sheets, on scale of 1:62500, have been reduced and form part of Peosta, on scale of 1:125000.
b Anamosa and Monticello sheets, on scale of 1:62500, have been reduced and form parts of Farley, on scale of 1:125000.
Published topographic atlas sheets, arranged by States—Continued.

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KANSAS.

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a Clinton, Goose Lake, and Leclaire sheets, on scale of 1:62500, have been reduced and form parts of Cordova, on scale of 1:125000.

b Anamosa and Monticello sheets, on scale of 1:62500, have been reduced and form parts of Farley, on scale of 1:125000.

c Baldwin and Maquoketa sheets, on scale of 1:62500, have been reduced and form parts of Peosta, on scale of 1:125000.

d Sitka, on scale of 1:62500, has been reduced and forms part of Ashland, on scale of 1:125000.
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a Mt. Washington and Vicinity sheet includes Gorham and North Conway sheets, together with the Crawford Notch and Mt. Washington sheets, New Hampshire.
## TOPOGRAPHIC ATLAS SHEETS.

*Published topographic atlas sheets, arranged by States—Continued.*

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*a* Annapolis and Sharps Island sheets, on scale of 1:62500, have been reduced and form parts of Choptank, on scale of 1:125000.

*b* Betterton, Gunpowder, and North Point sheets, on scale of 1:62500, have been reduced and form parts of Tolchester, on scale of 1:125000.

*c* Brandywine, East Washington, Owensville, and Prince Frederick sheets, on scale of 1:62500, have been reduced and form parts of Putuxent, on scale of 1:125000.

*d* Drum Point and Point Lookout sheets, on scale of 1:62500, have been reduced and form parts of St. Mary, on scale of 1:125000.

*e* Leonardtown, Montross, Pinney Point, and Wicomico sheets, on scale of 1:62500, have been reduced and form parts of Nomini, on scale of 1:125000.
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a Drum Point and Point Lookout sheets, on scale of 1:62500, have been reduced and form parts of St. Mary, on scale of 1:125000.
b Annapolis and Sharps Island sheets, on scale of 1:62500, have been reduced and form parts of Choptank, on scale of 1:125000.
c Betterton, Gunpowder, and North Point sheets, on scale of 1:62500, have been reduced and form parts of Tolchester, on scale of 1:125000.
d Brandywine, East Washington, Owensville, and Prince Frederick sheets, on scale of 1:62500, have been reduced and form parts of Tolchester, on scale of 1:125000.
e Leonardtown, Montross, Piney Point, and Wicomico sheets, on scale of 1:62500, have been reduced and form part of Nomini, on scale of 1:125000.
f Becket, Pittsfield, Sandisfield, and Sheffield sheets, on scale of 1:62500, have been reduced and form parts of Housatonic, on scale of 1:125000.
g Berlin and Greylock sheets, on scale of 1:62500, have been reduced and form parts of Taconic, on scale of 1:125000.
a Chesterfield, Granville, Northampton, and Springfield sheets, on scale of 1:62500, have been reduced and form part of Holyoke, on scale of 1:125000.
Published topographic atlas sheets, arranged by States—Continued.

MASSACHUSETTS—Continued.

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(See also general maps, p. 109.)

MICHIGAN.

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(See also special maps, p. 110.)

a Chesterfield, Granville, Northampton, and Springfield sheets, on scale of 1 :62500, have been reduced and form parts of Holyoke, on scale of 1:125000.

b Becket, Pittsfield, Sandisfield, and Sheffield sheets, on scale of 1 :62500, have been reduced and form parts of Housatonic, on scale of 1:125000.

c Berlin and Greylock sheets, on scale of 1 :62500, have been reduced and form parts of Taconic, on scale of 1:125000.

Bull. 177—01—6
PUBLICATIONS OF U. S. GEOLOGICAL SURVEY.  [BULL. 177.]

Published topographic atlas sheets, arranged by States—Continued.

**MINNESOTA.**

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a Grand Island sheet on scale of 1:62500 has been reduced and forms part of Grand Island on scale of 1:125000.
b Kearney sheet on scale of 1:62500 has been reduced and forms part of Kearney on scale of 1:125000.
c Kenesaw, Minden, and Wood River sheets, on scale of 1:62500, have been reduced and form parts of Wood River on scale of 1:125000.
# PUBLICATIONS OF U.S. GEOLOGICAL SURVEY

**BULL. 177.**

**Published topographic atlas sheets, arranged by States—Continued.**

## NEBRASKA—Continued.

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## NEVADA.

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## NEW HAMPSHIRE.

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a Kenesaw, Minden, and Wood River sheets, on scale of 1:62500, have been reduced and form parts of Wood River on scale of 1:125000.
b Lake Tahoe and Vicinity includes Carson, Markleeville, Pyramid Peak, and Truckee sheets.
c Mt. Washington and Vicinity includes Crawford Notch, Gorham, Mt. Washington, and North Conway sheets.
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a Mt. Washington and Vicinity includes Crawford Notch, Gorham, Mt. Washington, and North Conway sheets.
b Bayside, Bridgeton, and Maurice Cove sheets, on scale of 1:62500, have been reduced and form parts of Vineland, on scale of 1:125000.
c Chester, Glassboro, Philadelphia, and Salem sheets, on scale of 1:62500, have been reduced and form parts of Camden, on scale of 1:125000.
d Philadelphia and Vicinity includes Chester, Germantown, Norristown, and Philadelphia sheets.
e Hackettstown, High Bridge, Lake Hopatcong, and Somerville sheets, on scale of 1:62500, have been reduced and form parts of Raritan, on scale of 1:125000.
f Hammonton, Mount Holly, Mullica, and Pemberton sheets, on scale of 1:62500, have been reduced and form parts of Raritan, on scale of 1:125000.
g New York City and Vicinity includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook sheets.
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(See also special maps, p. 110.)

**NEW MEXICO.**

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a Morristown, Paterson, Plainfield, and Staten Island sheets, on scale of 1:62500, have been reduced and form parts of Passaic, on scale of 1:125000.

b Hammonton, Mount Holly, Mullica, and Pemberton sheets, on scale of 1:62500, have been reduced and form parts of Rancocas, on scale of 1:125000.

c New York City and Vicinity includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook sheets.

d Chester, Glassboro, Philadelphia, and Salem sheets, on scale of 1:62500, have been reduced and form parts of Camden, on scale of 1:125000.

e Philadelphia and Vicinity includes Chester, Germantown, Morristown, and Philadelphia sheets.

f Hackensack, High Bridge, Lake Hopatcong, and Somerville sheets, on scale of 1:62500, have been reduced and form parts of Raritan, on scale of 1:125000.

g Bayside, Bridgeton, and Maurice Cove sheets, on scale of 1:62500, have been reduced and form parts of Vineland, on scale of 1:125000.
## TOPOGRAPHIC ATLAS SHEETS.

Published topographic atlas sheets, arranged by States—Continued.

### NEW MEXICO—Continued.

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### NEW YORK.

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a Albany and Vicinity includes Albany, Cohoes, Schenectady, and Troy sheets.

b Berlin and Hoosick sheets, on scale of 1:62500, have been reduced and form parts of Taconic, on scale of 1:125000.

c New York City and Vicinity includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook sheets.
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* New York City and Vicinity includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook sheets.

* Berlin and Hoosick sheets, on scale of 1:62500, have been reduced and form parts of Taconic, on scale of 1:125000.

* Pittsfield and Shefield sheets on scale of 1:62500, have been reduced and form parts of Housatonic, on scale of 1:125000.

* Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson sheets, on scale of 1:62500, have been reduced and form parts of Niagara, on scale of 1:125000.

* Niagara Falls and Vicinity includes Niagara Falls, Tonawanda, and Wilson sheets.
Published topographic atlas sheets, arranged by States—Continued.

NEW YORK—Continued.

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a Paterson and Staten Island sheets, on scale of 1:62500, have been reduced and form parts of Passaic, on scale of 1:125000.
b New York City and Vicinity includes Brooklyn, Harlem, Paterson, Staten Island, and parts of Hempstead, Oyster Bay, and Sandy Hook sheets.
c Pittsfield and Sheffield sheets, on scale of 1:62500, have been reduced and form parts of Housatonic, on scale of 1:125000.
d Albany and Vicinity includes Albany, Cohoes, Scheneckytady, and Troy sheets.
e Berlin and Hoosick sheets, on scale of 1:62500, have been reduced and form parts of Taconic, on scale of 1:125000.
f Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson sheets, on scale of 1:62500, have been reduced and form parts of Niagara, on scale of 1:125000.
g Niagara Falls and Vicinity includes Niagara Falls, Tonawanda, and Wilson sheets.
Published topographic atlas sheets, arranged by States—Continued.

NEW YORK—Continued.

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(See also combined sheets, p. 109.)

NORTH CAROLINA.

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</table>

a Lockport, Niagara Falls, Olcott, Tonawanda, and Wilson sheets, on scale of 1:62500, have been reduced and form parts of Niagara, on scale of 1:125000.

b Niagara Falls and Vicinity includes Niagara Falls, Tonawanda, and Wilson sheets.

c Hecla and Savo sheets, on scale of 1:62500, have been reduced and form parts of Columbia, on scale of 1:125000.

d Monango sheet, on scale of 1:62500, has been reduced and forms part of Edgeley, on scale of 1:125000.
### Published topographic atlas sheets, arranged by States—Continued.

#### NORTH DAKOTA—Continued.

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#### OHIO.

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#### OKLAHOMA.

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#### OREGON.

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(See also special maps, p. 110.)

a Ellendale sheet on scale of 1:62500 has been reduced and forms part of Ellendale on scale of 1:125000.

b Oakes, Fullerton, and Lamoure sheets, on scale of 1:62500, have been reduced and form parts of Lamoure on scale of 1:125000.

c Hecla and Savo sheets, on scale of 1:62500, have been reduced and form parts of Columbia, on scale of 1:125000.

d Monango sheet, on scale of 1:62500, has been reduced and forms part of Edgeley, on scale of 1:125000.

e Cincinnati (double sheet) includes East Cincinnati and West Cincinnati sheets.
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a Chester and Philadelphia sheets, on scale of 1:62500, have been reduced and form parts of Camden, on scale of 1:125000.
b Philadelphia and Vicinity includes Chester, Germantown, Norristown, and Philadelphia sheets.
## RHODE ISLAND

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a Yellowstone National Park sheet includes Canyon, Gallatin, Lake, and Shoshone sheets.
TOPOGRAPHIC ATLAS SHEETS.

Published topographic atlas sheets, arranged by States—Continued.

WEST VIRGINIA—Continued.

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*a Montross, Piney Point, and Wicomico sheets, on scale of 1:62500, have been reduced and form parts of Nomini, on scale of 1:125000.
*b Point Lookout sheet, on scale of 1:62500, has been reduced and forms part of St. Mary, on scale of 1:125000.
*c Seattle sheet on scale of 1:62500 has been reduced and forms part of Seattle on scale of 1:125000.
## TOPOGRAPHIC ATLAS SHEETS.

*Published topographic atlas sheets, arranged by States—Continued.*

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a Bennington, Berlin, Greylock, and Hoosick sheets, on scale of 1:62500, have been reduced and form parts of Taconic, on scale of 1:125000.

b Montross, Pincey Point, and Wicomico sheets, on scale of 1:62500, have been reduced and form parts of Nomini, on scale of 1:125000.

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*Out of stock.*
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(a) The Survey has issued a sheet of "Conventional signs" used on its topographic maps; price, 5 cents a single sheet; 2 cents each in lots of 100 or more.

(b) No wholesale rate for Crater Lake sheet.

(c) No wholesale rate for forestry maps.

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8°. 54 pp., 1 map. A preliminary report, made in response to a resolution of inquiry of the House of Representatives.

DIGEST OF DECISIONS CONCERNING WATER IN THE ARID REGION.


Bull. 177—01——8
Department of the Interior United States Geological Survey
Charles D. Walcott, director Map of Alaska showing known gold-bearing rocks with descriptive text containing sketches of the geography, geology, and gold deposits and routes to the gold fields Prepared in accordance with Public Resolution No. 3 of the Fifty-fifth Congress, second session, approved January 20, 1898 Printed in the engraving and printing division of the United States Geological Survey Washington, D. C. 1898

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Department of the Interior United States Geological Survey
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gold region Alaska with maps and illustrations By Frank C.
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8°. 56 pp., 3 maps, 19 pls. A pamphlet, in “granite” cover.
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[Abbreviations: Ann = Annual Report; Mon = Monograph; Bull = Bulletin; MB. = Mineral Resources; WS = Water-Supply Paper; GF = Geologic Folio; TF = Topographic Folio; Alaska (1), Alaska (2), Nome = pamphlets on Alaska catalogued on pages 114-115 of this bulletin; i = part i, ii = part ii, etc.; p = page, pp = pages.]

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