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CATALOGUE

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OF

THE INSTITUTION OF CIVIL ENGINEERS

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P R E F A C E.

THE present Catalogue has been formed by abbreviation and amalgamation of the Catalogue printed in 1866, and the titles written for books acquired since that date. Considerable changes have been made in the methods of selecting the headings, and dates or conjectural dates have with a few exceptions been assigned to the books. The headings are selected according to the following plan :

I. *Non-official* publications appear under the authors' names ; failing such names, under those of the persons, places, etc., of which they treat ; failing that, under the heading ANONYMOUS. Journals and periodicals are arranged in alphabetical order under the heading PERIODICAL PUBLICATIONS. Works entered under the two last-named headings also appear under the names of their authors, when possible.

II. *Official* publications relating to particular persons, places, etc., appear under such names ; those of a general nature under the Governments or corporate bodies issuing them.

Official publications also appear in many cases under the names of their authors.

Owing to the doubtful orthography of Indian names, these are all grouped together under the heading INDIA, instead of appearing in their proper alphabetical order.

The larger non-personal headings, such as LONDON, EDINBURGH, have been sub-divided according to *subject*.

Societies appear under their respective names, when these are well known, but otherwise under the places where they meet :

e.g. ROYAL SOCIETY.

LIÈGE.—*Association des ingénieurs sortis de l'École de Liège.*

In order to make the Catalogue complete to the close of the year 1894, the titles of works acquired while it was in the press, as well as of those omitted from the general body of the work, have been included in the Addenda.

The Catalogue of the Horological Library, bequeathed to the Insti-

tution by the late B. L. Vulliamy, Assoc. Inst. C.E., forms an appendix.

The volumes now issued do not contain the index of subjects. This part of the Catalogue is in preparation, and will be issued separately at as early a date as possible. It has, however, been judged advisable that publication even in part should not be longer delayed, the more so as the arrangement now adopted for the first portion has resulted in its containing much of the information usually found in a subject-catalogue.

It only remains to add that it is proposed to take advantage of the increased room which will be afforded by the new library, when the rebuilding of the premises is completed, to rearrange the books, the scattered nature of the accommodation in the late building having gradually become the source of trouble and inconvenience. Much simplification will also result from numbering the cases and lettering the shelves, instead of the converse practice which existed in the old library, and in the course of time led to the compulsory use of three forms of each letter of the alphabet.

LIBRARY CATALOGUE

OF

THE INSTITUTION OF CIVIL ENGINEERS.

P—continued.

- PEABODY, C. H. Duty Trial of a . . . Pumping Engine, designed and built by the Geo. F. Blake Manufacturing Co. 1892. *See* BLAKE MANUFACTURING COMPANY.
- Thermodynamics of the Steam-Engine and other Heat-Engines. *Lond.* 1889. 8vo.
- PEABODY INSTITUTE, *Baltimore*. Address of the President and Reports of the Treasurer and Provost. *Baltimore*, 1869, *etc.* 8vo.
- Catalogue of the Library. 5 vols. *Baltimore*, 1883-92. 8vo.
- The Founder's Letters, *etc.* *Baltimore*, 1868. 8vo.
- PEACOCK, G., *Capt.*, and BUCHAN, H. J., Established Compositions for the Bottoms of Iron, Wood, Coppered, or Zinced Vessels. . . . 7th edition. *Exeter*, 1870. 12mo.
- PEACOCK, GEORGE, *Dean of Ely*. Obituary Notice. *Tract.* 8vo. *vol.* 130. [*Lond.* 1858.] 8vo.
- PEACOCK, R. A. Chain Cable Testing, *etc.* *Tract.* 8vo. *vol.* 136. *Jersey*, 1862-63. 8vo.
- Description of Patent Dock Gates. *Tract.* 8vo. *vol.* 135. *Lond.* 1862. 8vo.
- Metric and English Table of Temperatures and Pressures of Saturated Steam, *etc.* *Tract.* 8vo. *vol.* 281. *Lond.* [1874.] 4to.
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- What is, and what is not, the cause of activity in Earthquakes and Volcanoes. *Tract.* 8vo. *vol.* 269. *Lond.* 1877. 8vo.
- PEAK, H. Report to the General Purposes Committee of the Guildford Urban Sanitary Authority *re* Mr. Conder's system for the treatment and purification of Sewage. *Tract.* 8vo. *vol.* 418. *Guildford*, 1886. 8vo.

- PEAK FOREST CANAL. Act for making . . . a navigable Canal from . . . Dukinfield in the county of Chester, to or near to Chapel Milton, in the county of Derby; and a communication by railways or stone roads from thence to Load's Knowl, within Peak Forest, *etc.* *Lond.* 1794. folio.
- Act for enabling the . . . Proprietors of the Peak Forest Canal . . . to provide for the discharge of their debts, and to complete the said canal, *etc.* *Lond.* 1805. folio.
- PEAKE, J. Rudiments of Naval Architecture, *etc.* *Lond.* 1849. 8vo.
- — 3rd edition. *Lond.* 1867. 8vo.
- PEALE, A. C. Jura-Trias Section of Southeastern Idaho and Western Wyoming. *Tract.* 8vo. vol. 474. *Washington,* 1879. 8vo.
- Lists and Analyses of the Mineral Springs of the United States; a preliminary study. [*U.S. Geol. Survey.* Bulletin No. 32.] *Washington,* 1886. 8vo.
- PEALE, L. T. The History of the American Locomotive: illustrated, *etc.* *Philadelphia,* 1887. 4to.
- PEARCE, R. W. East Indian Railway. Drawings of Rolling Stock as designed and constructed at the Howrah Workshops. *Howrah,* 1888-89. folio.
- PEARSALL, H. D. The Principle of the Hydraulic Ram as applied to large Machinery. *Lond.* 1886. 8vo.
- PEARSE, W. Some results of recent improvements in Naval Architecture, *etc.* *Tract.* 8vo. vol. 327. *Glasgow,* 1881. 8vo.
- PEARSON, A. W. The Development of the Mineral Resources of India. *Tract.* 8vo. vol. 346. *Bombay,* 1883. 8vo.
- PEARSON, C. City Improvements and Railroad Termini. *Tract.* 8vo. vol. 289. *Lond.* [1851?] 8vo.
- Copy of a correspondence with the Lord Bishop of London in regard to the due observance of the Lord's Day, in connection with the proposal to change the cattle market-day from Monday to Tuesday. *Tract.* 8vo. vol. 216. *Lond.* 1855. 8vo.
- PEARSON, C. H. A short Answer to Mr. Freeman's Strictures in the "Fortnightly Review" on the "History of England during the Early and Middle Ages." *Tract.* 8vo. vol. 167. *Lond.* 1868. 8vo.
- PEARSON, G. Mémoire sur le phosphate de soude cristallisé en rhombe, et son usage comme purgatif. *Tract.* 4to. vol. 20. *Paris,* 1788. 4to.
- PEARSON, G. F. Report of Forest Administration, Central Provinces. 1864. See INDIA.—CENTRAL PROVINCES.
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- PEARSON, J. B. On a new kind of Self-Acting Weir recently introduced on the Rivers of France and Germany. *Tract. 8vo. vol. 400.* [Cambridge,] 1878. 8vo.
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- PECHAR, J. Kohle und Eisen in allen Ländern der Erde. *Tract. 8vo. vol. 298.* *Berlin,* 1878. 8vo.
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- — 2nd edition. *Lond.* 1823. 8vo.
- — [3rd edition.] A practical Treatise on Gas-lighting, *etc.* *Lond.* 1841. 8vo.
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- PÉCOUL, A., *Capt.* Account and description of the Sounding-Log serving to sound without entirely stopping the vessel . . . followed by the reports of those captains who have made trials of it, and the account rendered by the Statistical Society of Marseilles. *Tract. 8vo. vol. 142.* *Marseilles,* 1855. 8vo.
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- PEGGS, J. W. Water Supply for domestic use. *Tract. 8vo. vol. 533.* *Lond.* 1893. 8vo.

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- PEMBERTON, R. B., *Capt.* *Report on the Eastern Frontier of British India, etc.* Calcutta, 1835. 8vo.
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- PEMBROKE DOCKYARD. *Plan of Her Majesty's Dockyard, Pembroke.* [.] 8vo.
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- — [Another edition, corrected.] [Lond.] 1878. 8vo.
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- PENCLAWDD CANAL. *Act for Penclawdd Canal and Railway.* Lond. 1811. folio.
- PENDLETON, J. *Our Railways: their origin, development, incident, and romance.* 2 vols. Lond. 1894. 8vo.
- PENDRED, V. *On the Production of Homogeneous Iron in large masses.* Tract. 8vo. vol. 273. Lond. 1870. 8vo.

- PENFOLD, C. Practical remarks upon the principle of Rating Railway, Gas, Water, and other Companies . . . 4th edition.
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- PENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY. A statement of the position and operations of the Company, from its incorporation to the present time. *Tract. 8vo. vol. 177. Lond. 1866. 8vo.*
- PENLEY, A. A System of Water-Colour Painting. 39th edition. *Tract. 8vo. vol. 385. Lond. [1878?] 12mo.*
- PENMAN, W. Land Surveying on the Meridian and Perpendicular System. *New York, 1885. 8vo.*
- PENN, S., and RYBERG, A. W. Tables showing the weight of different lengths of round, square, flat, bar and cast Iron, *etc. Lond. [1886.] 8vo.*
- PENNA, H. V. F., and OTHERS. Memoria justificativa dos planos apresentados ao Governo Imperial para a construcção da estrada de ferro de Porto Alegre a' Uruguayana.
 Rio de Janeiro, 1875. 4to.
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- Some Account of London. 2nd edition. *Lond. 1791. 4to.*
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- The Geometry and Optics of Ancient Architecture; illustrated by examples from Thebes, Athens, and Rome, by J. Pennethorne, assisted . . . by J. Robinson. *Lond. 1878. folio.*
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- A text book of Field Geology; with a section on Palæontology, by A. J. Jukes-Browne. 2nd edition . . . with illustrations, *etc. Lond. 1879. 8vo.*
- PENNSYLVANIA. An historical account of . . . the Canal Navigation in Pennsylvania: with an appendix containing abstracts of the Acts of the Legislature since 1790, *etc. Tract. 8vo. vol. 323. Philadelphia, 1795. 4to.*
- Reports of the Inspectors of Mines of the Anthracite Coal Regions of Pennsylvania for the years 1870–1878.
 Harrisburg, 1871–79. 8vo.
- *Coal Waste Commission.* Report of Commission appointed to investigate the Waste of Coal Mining with the view to the utilizing of the Waste, *etc. Philadelphia, 1893. 8vo.*
- *Geological Survey.* Annual Report for 1886, *etc. Harrisburg, 1887, etc. 8vo.*

- PENNSYLVANIA RAILROAD CO. Annual Reports.
Philadelphia, 1847, etc. 8vo. and 4to.
 — Report of the investigating committee.
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- PENNSYLVANIA UNIVERSITY. Catalogue and announcements, 1884–85, (1885–86, 1890–91, *etc.*)
Philadelphia, 1885, etc. 8vo.
 — Preliminary Report of the Commission appointed by the University of Pennsylvania to investigate Modern Spiritualism, in accordance with the request of the late Henry Seybert.
Philadelphia, 1887. 8vo.
 — Proceedings at the opening of the Library, 7th February, 1891.
Tract. 8vo. vol. *Philadelphia, 1891.* 8vo.
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Philadelphia, 1845. 8vo.
- PENRICE, H. N. Machine à perforer les roches pour le percement des tunnels et galeries de mines inventée par M. Penrice. . . . Rapport de la Commission à M. le Ministre de l'Agriculture, *etc.*
Tract. 8vo. vol. 328. [*Lond. 1881?*] 8vo.
- PENROSE, F. A treatise on Electricity: wherein . . . the cause of the attraction and gravitation of solids [is] assigned, *etc.*
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- PENROSE, R. A. F., Jr. Nature and origin of Deposits of Phosphate of Lime. [*U.S. Geol. Survey. Bulletin No. 46.*]
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- PENTRE BROUGHTON. Report . . . on . . . an Explosion of Gunpowder . . . at Pentre Broughton, near Wrexham, on the 30th October, 1879: by Major A. Ford. *Lond. 1879.* folio.
- PENYCRAIG. Penycraig Colliery Explosion. Observations . . . with reference to the verdict of the jury at the Inquest in this case.
Lond. 1881. folio.
 — Report on the Penycraig Colliery Explosion: with proceedings at the adjourned Inquest, *etc.* *Lond. 1881.* folio.
 — Report on . . . an Explosion . . . at the Naval Steam Coal Colliery at Penycraig, on 27 Jan., 1884. *Lond. 1884.* folio.
- PEPPER, J. H. Electricity: embracing voltaic, galvanic, or dynamical electricity.
Lond. [1880?] 8vo.
- PEPPERCORNE, F. S. The Economy of Railways considered chiefly with reference to Australasian colonies. *Tract. 8vo. vol. 301.*
Sydney, 1870. 8vo.

PERCY, C. M. An Inaugural Address [on] Colliery Machinery.
[*Haydock Mining Lectures.*] *Tract. 8vo. vol. 488.*

Wigan, 1890. 8vo.

— The Mechanical Engineering of Collieries. 2 vols.

Lond. 1885–86. 8vo.

(Vol. 1 is of the third, and vol. 2 of the second edition.)

— Winding and Overwinding: giving descriptions of the chief
detaching hooks now in use, *etc.* *Tract. 8vo. vol. 313.*

Wigan, 1880. 8vo.

PERCY, J. Addresses as President of the Iron and Steel Institute,
1885 (1886). *Tract. 8vo. vols. 421 and 467.*

Lond. 1885, 86. 8vo.

— Letter to the Chancellor of the Exchequer and Correspondence
relating to the projected removal of the Metallurgical Department
of the Royal School of Mines to South Kensington. *Tract. 8vo.*
vol. 310.

Lond. 1879. 8vo.

— Metallurgy. 9 vols. [MS.] 4to.

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Lond. 1861. 8vo.

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tion, *etc.* *Lond. 1870. 8vo.*

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Lond. 1880. 8vo.

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— Tratado de las construcciones en el mar, *etc.* *Madrid*, 1871. 8vo.

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PERIGAL, H. Contributions to Kinematics: Classification of Bicircloids, Curves of two Curvatures (in the same plane), the Resultant of two Circular Movements. *Tract.* 8vo. vol. 88.

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— Ellipses. *Tract.* 8vo. vol. 103. *Lond.* 1855. 8vo.

— Notes on the Kinematic Effects of Revolution and Rotation, with reference to the motions of the moon, and of the earth. 2nd edition. *Tract.* 8vo. vol. 88. *Lond.* 1850. 8vo.

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[This heading does not include the Transactions, Journals, *etc.*, of Societies. These will be found under the names of the Societies which issue them.]

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— Age Annual: a political and statistical register of the Colony of Victoria, 1889. *Melbourne*, 1889. 8vo.

— Allgemeine Bauzeitung. Herausgegeben . . . von C. F. L. Förster. Bd. 1, *etc.* (Atlases of plates.) *Wien*, 1836, *etc.* 4to. and folio.

(Since 1874 the text and plates for each year have been published together.)

— — Ephemeriden für das Baufach. Beilage zur Allgemeinen Bauzeitung. 2 vols. 1844–48. *Wien*, 1845–48. 4to.

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- PERIODICAL PUBLICATIONS—*continued*. American Almanac and repository of useful knowledge, for the year 1852. *Tract.* 8vo. vol. 121. [Boston, 1851.] 8vo.
- American Architect and Building News. Vol. 32, *etc.* Boston, 1891, *etc.* folio.
- American Electrical Directory for 1887–88. Fort Wayne, Ind., 1888. 8vo.
- American Gas Light Journal and Chemical Repertory. Vol. 26, *etc.* New York, 1877, *etc.* 4to.
- American Engineer. Vol. 1, *etc.* Chicago, 1880, *etc.* folio.
- American Journal of Mathematics, pure and applied. Vol. 1, *etc.* Baltimore, 1878, *etc.* 4to.
- American Journal of Mining. See *infra* :—Engineering and Mining Journal.
- American Journal of Science and Arts. By B. Silliman and Son. Vols. 21–49. New Haven, 1832–45. 8vo.
- — 2nd series. 50 vols. New Haven, 1846–70. 8vo.
- — 3rd series. Vol. 1, *etc.* New Haven, 1870, *etc.* 8vo.
- American Machinist: a journal for machinists, engineers, founders, *etc.* Vol. 9 (10, *etc.*). New York, 1886, *etc.* folio.
- American Railroad Journal, and Advocate of Internal Improvements. 6 vols. New York, 1832–37. 4to.
- Amtsblatt der deutschen Reichs-Post und Telegraph-Verwaltung. Berlin, 1879. 4to.
- Anales de la construccion y de la industria. Vol. 1, *etc.* Madrid, 1876, *etc.* 8vo.
- Anales de obras públicas. Memorias y documentos. 12 vols. (Atlases of plates.) Madrid, 1876–84. 8vo. and folio.
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- — 5. Reihe. 43 vols. Leipzig, 1863–76. 8vo.
- — Neue Folge, herausgegeben von G. Wiedemann. Bd. 1, *etc.* Leipzig, 1877, *etc.* 8vo.
- — Beiblätter, Bd. 1, *etc.* Leipzig, 1877, *etc.* 8vo.
- Annalen für Gewerbe und Bauwesen: herausgegeben von F. C. Glaser. Band 5, (6, *etc.*) Berlin, 1879, *etc.* folio.
- Annales de Chemie et de Physique. 96 vols. Paris, 1789–1815. 8vo.
- — 2^e série. 75 vols. Paris, 1816–40. 8vo.
- — 3^e série. 59 vols. Paris, 1841–63. 8vo.
- — 4^e série. 30 vols. Paris, 1864–73. 8vo.
- — 5^e série. 23 vols. Paris, 1874–81. 8vo.
- — 6^e série. Vol. 1, *etc.* Paris, 1882, *etc.* 8vo.

- PERIODICAL PUBLICATIONS—*continued.* *Annales des conducteurs des ponts et chaussées.* Vols. 1–35.
Paris, 1858–91. 8vo.
- *Annales des Mines ; ou, recueil de mémoires sur l'exploitation des mines, et sur les sciences et les arts qui s'y rapportent.* 13 vols.
Paris, 1816–26. 8vo.
- — 2^e série. 8 vols.
Paris, 1827–30. 8vo.
 (In 1831 the publication was suspended.)
- — 3^e série. 20 vols.
Paris, 1832–41. 8vo.
- — 4^e série. 20 vols.
Paris, 1842–51. 8vo.
- — 5^e série. 20 vols.
Paris, 1852–61. 8vo.
- — 6^e série. 20 vols.
Paris, 1862–71. 8vo.
- — 7^e série. 20 vols.
Paris, 1872–81. 8vo.
- — 8^e série. 20 vols.
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- — 9^e série. Vol. 1, *etc.*
Paris, 1892, etc. 8vo.
- See infra* :—*Journal des Mines.*
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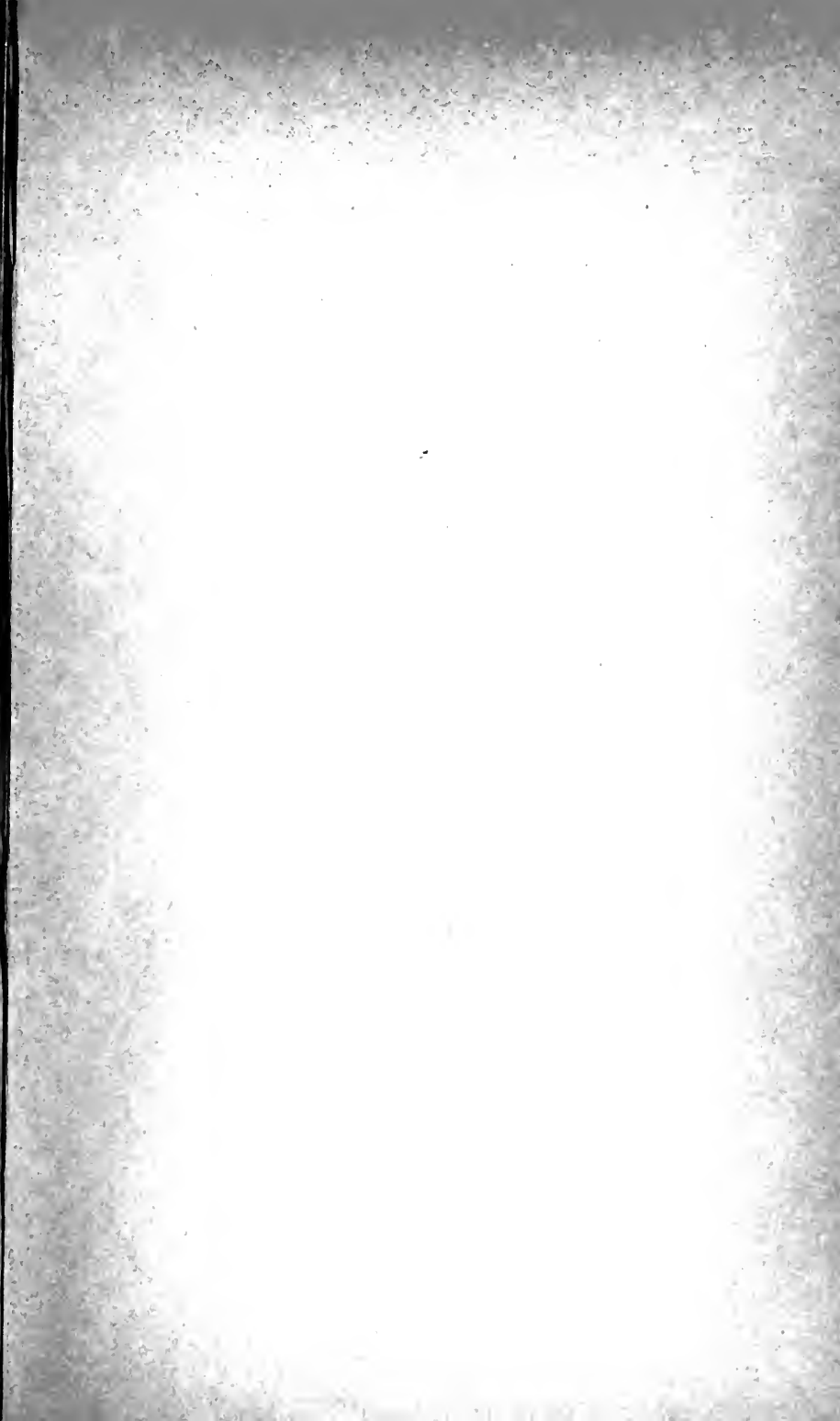
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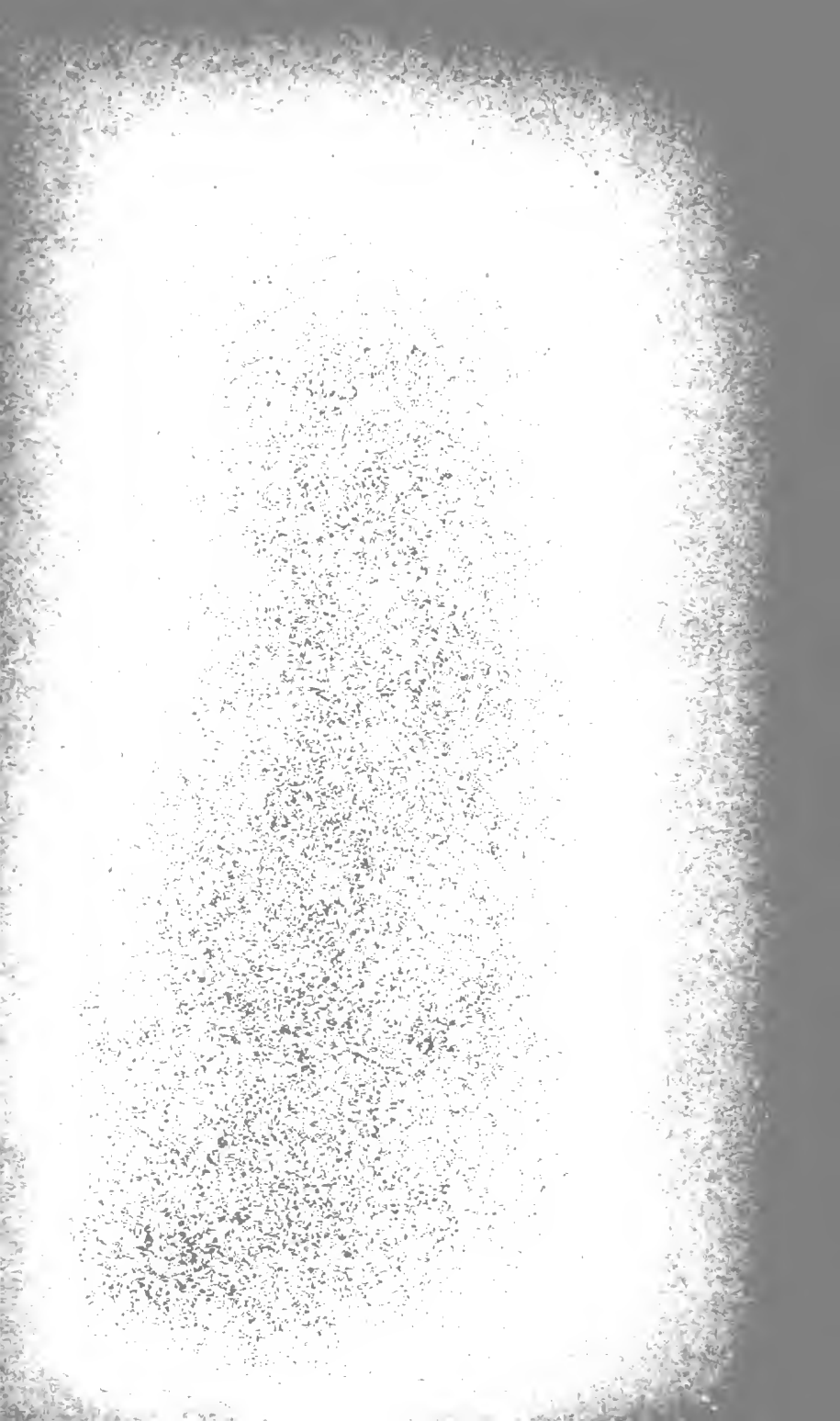
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