



Smithsonian

National Museum of American History Kenneth E. Behring Center

Guide to the Greville Bathe Papers

NMAH.AC.0970

Alison Oswald

2018

Archives Center, National Museum of American History

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Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Greville I. Bathe Papers
Date:	(bulk 1933-1944) 1893-1985
Identifier:	NMAH.AC.0970
Creator:	Bathe, Greville
Extent:	5 Cubic feet (12 boxes)
Language:	Collection is in English. Some materials in French and German.

Administrative Information

Acquisition Information

Originally a bequest to the National Museum of American History from Greville I. Bathe.

Ownership and Custodial History

The collection was transferred from Division of Work and Industry to the Archives Center in 2007.

Separated Materials

The Division of Work and Industry, National Museum of American History holds artifacts related to Greville I. Bathe, specifically scale models built by Bathe.

Related Materials

Swarthmore College Libraries

Bathe Collection in the History of Technology

The Bathe Collection is comprised of some 1,500 volumes on the history of technology before and after the Industrial Revolution. The collection was willed to Swarthmore by Greville Bathe, author of several books on the history of technology, and contains primary source material from the 16th through 18th centuries as well as contemporary bibliographies, biographies, histories, and secondary materials. The collection's range of subject matter extends from steam engines and their inventors to post-Newtonian mechanics, early aeronautics, and the Atlantic cable. In addition, it includes Greville Bathe's books, galley proofs, and manuscripts.

Processing Information

Collection processed by Alison Oswald, 2018.

Preferred Citation

Archives Center, Greville I. Bathe Papers, 1933-1967, National Museum of American History.

Restrictions

Collection is open for research but is stored off-site and special arrangements must be made to work with it. Contact the Archives Center for information at archivescenter@si.edu or 202-633-3270.

Conditions Governing Use

Collection items available for reproduction, but the Archives Center makes no guarantees concerning copyright restrictions. Other intellectual property rights may apply. Archives Center cost-recovery and use fees may apply when requesting reproductions.

Biographical

Greville I. Bathe (1883-1964) was born in Cambridge, England. He attended the London Polytechnic Institute, earning a degree in mechanical engineering. Bathe worked in England as a model maker and in 1919 came to the United States to establish a model making business in Philadelphia which he ran until 1936. Bathe retired to Florida in 1948.

Bathe built and collected working scale models of steam engines, a hobby that dates to his childhood in England. During his lifetime he amassed a significant library of books (1,500) on the history of technology before and after the Industrial Revolution. Bathe wrote extensively about steam engines and was the author of many articles and books which included *Jacob Perkins: His Inventions, His Times, and His Contemporaries* (1943), *Horizontal windmills, draft mills and similar air-flow engines* (1948), *The rise and decline of the paddle-wheel* (1962), *The St. John's Railroad, 1858 to 1895: a contemporary history of a pioneer railroad* (1958), and his definitive biography of *Oliver Evans* (1935).

Scope and Contents

Papers contain archival materials comprising Bathe's research on Oliver Evans (1755-1819), an American engineer engaged in the development of steam engines. The collection includes copies of letters, design drawings, pamphlets and a book written by Evans, patents, a scrapbook, articles, genealogical information, Evans's will, and writings by Bathe on Evans, including his book about him. Correspondence with libraries and other scholars is included, as are papers relating to the book such as reviews, notebooks, and papers relating to the printing and publishing. There is also research material on American engineer Jacob Perkins, for Bathe's books *Citizen Genet* (1946), *Horizontal Windmills* (1948), and *Ship of Destiny...Merrimac* (1951), and assorted trade catalogs and materials pertaining to Bathe's manufacturing companies in London and Philadelphia. A photograph album compiled by Bathe containing photographs and sketches of models built by Bathe is also included.

Arrangement

The collection is arranged into six series.

Series 1: Correspondence, 1893-1960

Series 2: Photographs, 1897-1954

Series 3: Writings, 1933-1960

Series 4: Catalogs/Trade Literature, 1905-1985

Series 5: Research about Oliver Evans (1755-1819), 1933-1962

Series 6: Research about Jacob Perkins (1766-1849), 1937-1944

Series 7: Miscellaneous, 1919-1980

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Engineering -- History
- Steam-engines
- Windmills

Types of Materials:

- Articles
- Catalogs
- Design drawings
- Genealogies
- Letters
- Notebooks
- Pamphlets -- 19th century
- Patents
- Photograph albums
- Wills
- Writings

Names:

- Evans, Oliver, 1766-1819
- Perkins, Jacob, 1766-1849

Container Listing

Correspondence, 1893-1960

Box 1, Folder 1	Greville Bathe, 1893-1894
Box 1, Folder 2	American Antiquarian Society, 1934
Box 1, Folder 3	Cornish Engines Preservation Society, 1935-1954
Box 1, Folder 4	Dickinson, H.W. (Newcomen Society for Study of the History of Engineering and Technology), 1934-1939
Box 1, Folder 5	Dickinson, H.W. (Newcomen Society for Study of the History of Engineering and Technology), 1940-1945
Box 1, Folder 6	Dickinson, H.W. (Newcomen Society for Study of the History of Engineering and Technology), 1946-1954
Box 1, Folder 7	Franklin Institute (Tom Thumb Model), 1933-1960
Box 1, Folder 8	Historical Society of Pennsylvania, 1935-1940
Box 1, Folder 9	Newcomen Society for Study of the History of Engineering and Technology, 1933-1939
Box 1, Folder 10	Pyle, Howard L., 1934
Box 1, Folder 11	University of Michigan, 1934-1939
Box 1, Folder 12	General, 1936-1939

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Photographs, 1897-1954

Box 2, Folder 1	Greville Bathe's workshop in London, 1912-1919
Box 2, Folder 2	Models and things made by Bathe (album), 1897-1954
Box 2, Folder 3-6	Models, undated
Box 3	Glass plate negative, undated 1 Glass negative (3" x 4")

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Writings, 1933-1960

Box 3, Folder 2	Citizen Genet, 1946-1948
Box 3, Folder 3	Horizontal Windmills, 1945-1951
Box 3, Folder 4	Engineer's Miscellany, 1937-1938
Box 3, Folder 5	An Engineer's Essays, undated
Box 3, Folder 6	Mechanical Transport Before 1800, 1959-1960
Box 3, Folder 7	Jacob Perkins, 1943-1947
Box 3, Folder 8	Oliver Evans and the Mystery of the Orukter Amphibolos, 1934
Box 3, Folder 9	Ship of Destiny, 1951
Box 3, Folder 10	Trouble is My Master, 1942
Box 3, Folder 11	Onondaga Salt Works of New York State, 1646-1846, 1945-1951
Box 3, Folder 12	Oliver Evans, The Man, 1940
Box 3, Folder 13	On Oliver Evans, 1935-1940
Box 3, Folder 14	The First High Pressure Steam Engine in America, 1938
Box 3, Folder 15	Cornwall Furnance, 1937
Box 3, Folder 16	Notes for projected books and papers, 1933-1934
Box 3, Folder 17	Drawings for machine a vapeur simplifiee (copies), undated

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Catalogs/Trade Literature, 1905-1985

Scope and Contents: This series contains primarily hobby and craft catalogs for building models (e.g. railroads) and some trade literature. The series is arranged alphabetically.

Box 4, Folder 1	American Review (devoted to American toys), 1850-1900, undated
Box 4, Folder 2	Atwood Steamcraft, undated
Box 4, Folder 3	Bassett-Lowke, Ltd. (scale models), undated
Box 4, Folder 4	Bathe Manufacturing Co., catalogs, 1920-1928
Box 4, Folder 5	Boucher, Inc. (scale models), 1922
Box 4, Folder 6	Martin Brunner (model works), undated
Box 4, Folder 7	Combined switch systems for model railroads, undated
Box 4, Folder 8	Drummond Bros. (machine tools), undated
Box 4, Folder 9	Dynamic Manufacturing Co., Inc., undated
Box 4, Folder 10	Economic Electric Limited, undated
Box 4, Folder 11	A.J. Fisher (scale model fittings), 1933
Box 5, Folder 1	Fleischmann's model steam engines, undated
Box 5, Folder 2	Gas Engine Repair Co., catalogs, 1912-1914
Box 5, Folder 3	The Handbook of Old American Toys, 1947
Box 5, Folder 4	International Models, Inc., undated
Box 5, Folder 5	Peter Koch Modellwerk, undated
Box 5, Folder 6	Kramer Bros. (toy trains and hobby craft), 1952
Box 5, Folder 7	Lionel Manufacturing Co., 1953
Box 5, Folder 8	Gebr. Marklin and Cie, undated
Box 5, Folder 9	The Model Engineer and Electrician, 1906, 1911, 1917
Box 5, Folder 10	The Model Maker, 1929 April
Box 5, Folder 11	Model Makers Supply Co (drawing), undated

Box 5, Folder 12	Carl Quehl (catalog), undated
Box 5, Folder 13	Small Power Engines Works (catalogs), 1905-1911
Box 5, Folder 14	Southport Model and Engineering Club, 1948
Box 5, Folder 15	Steven's Model Dockyard, 1918-1919, 1927-1928
Box 5, Folder 16	Stuart Turner, Ltd. (models), 1951
Box 5, Folder 17	Thomas Industries (Shawnee Express locomotive), undated
Box 5, Folder 18	Toy Steam Engines, 1985
Box 5, Folder 19	Trix, Ltd., (Trix Twin Railway), undated
Box 5, Folder 20	Weeden Mfg. Co., undated
Box 5, Folder 21	Wilesco (toy steam engines), undated

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Research about Oliver Evans (1755-1819), 1933-1962

Scope and Contents: This series consists of research materials (bibliographies, drafts, and copies of primary sources) assembled and used by Greville Bathe in writing his book about Oliver Evans (1755-1819), an American inventor, engineer, and businessman.

Box 6, Folder 1	Bathe Model of Orukter Amphibolos, notes and sketches, 1946
Box 6, Folder 2	Bathe Model of Orukter Amphibolos, research correspondence, 1933-1934
Box 6, Folder 3	Bathe Model of Orukter Amphibolos, periodical stories about, 1933-1952
Box 6, Folder 4	Bathe Model of Orukter Amphibolos, photographs, undated
Box 6, Folder 5	Bathe Model of Orukter Amphibolos, Jonas model of, 1962
Box 6, Folder 6	Pangborn model of Orukter Amphibolos, 1933
Box 6, Folder 7	Contract for orukter, undated
Box 6, Folder 8	Oliver Evans Columbian engine, undated
Box 6, Folder 9	Rush and Muhlenberg engine of [1828?], 1934
Box 6, Folder 10	Oliver Evans, first engine, plaster grinder, 1937-1938
Box 6, Folder 11	Evans, plaster mill model, 1940
Box 6, Folder 12	Fairmount pumping engine, Philadelphia Water Works, 1934
Box 6, Folder 13	Oliver Evans drop valve engine, 1936-1937
Box 6, Folder 14	Evans circular engines, undated
Box 6, Folder 15	Evans boilers, undated
Box 6, Folder 16	Evans and the United States Mint, undated
Box 6, Folder 17	Evans and Luther Stephens, Lexington, Kentucky, undated
Box 6, Folder 18	Pittsburgh Steam Mill, undated
Box 6, Folder 19	Marietta Steam Mill, undated
Box 6, Folder 20	Correspondence with Mattie Davis about the Lexington Steam Mill, 1934
Box 6, Folder 21	Photographs of Oliver Evans models, undated

Box 6, Folder 22	Evans and steamboats, undated
Box 6, Folder 23	Newspaper articles about flour mills, undated
Box 6, Folder 24	Bolier explosions and boiler pressure, steamboat Aetna, undated
Box 6, Folder 25	Pittsburgh steamboats, undated
Box 6, Folder 26	Pittsburgh Steam Engine Company and its competitors, undated
Box 6, Folder 27	Pittsburgh businesses unrelated to steam engines, steamboats and flour mills, undated
Box 6, Folder 28	Research from Pittsburgh, 1935
Box 6, Folder 29	Evans portraits and signatures, undated
Box 7, Folder 1	Genealogy of Oliver Evans, undated
Box 7, Folder 2	Correspondence with Anna Lincoln about Evans genealogy, 1934-1936
Box 7, Folder 3	Oliver Evans, will, estate and probate, 1935
Box 7, Folder 4	Oliver Evans, real estate transactions and street addresses, undated
Box 7, Folder 5	Oliver Evans, epitaph, death of, burial site, 1935
Box 7, Folder 6	Miscellaneous maps, undated
Box 7, Folder 7	Memorial markers for Evans in Philadelphia, New York, Newport, and Delaware and proposals for stamps and ships, 1937-1939
Box 7, Folder 8	Oliver Evans, printing and sales costs associated with book, 1935-1938
Box 7, Folder 9	Oliver Evans, book reviews, 1936
Box 7, Folder 10	Oliver Evans, post publication and general correspondence, 1935-1941
Box 7, Folder 11	Oliver Evans, errata and notes for revised edition, 1938
Box 7, Folder 12	Photographs and illustration proof sheets, undated
Box 8, Folder 1-4	Research about Oliver Evans (notebook), undated
Box 8, Folder 5	Evans books and pamphlets (excerpt Millwright's Guide), undated
Box 8, Folder 6	Evans' Millwright's Guide, undated

Box 8, Folder 7	Evans and hydraulic bearings, undated
Box 8, Folder 8	Evans and grinding or hulling machines, undated
Box 8, Folder 9	Evans on erecting steam engines, undated
Box 8, Folder 10	Evans on green coal smelting, undated
Box 8, Folder 11	Evans on sawmills, undated
Box 8, Folder 12	Evans on boilers, undated
Box 8, Folder 13	Evans letters and miscellaneous notes, undated
Box 8, Folder 14	Evans on inventions and patents, undated
Box 9, Folder 1	Evans, patents and suits for patent infringement, 1944
Box 9, Folder 2	Evans and Matthew Carey, undated
Box 9, Folder 3	Evans and David Nivin, 1935
Box 9, Folder 4	Evans and Ellicotts, 1934
Box 9, Folder 5	Evans and Robert Fulton, undated
Box 9, Folder 6	Evans and Thomas Jefferson, undated
Box 9, Folder 7	Evans and Chancellor Livingston, undated
Box 9, Folder 8	Evans and James Madison, undated
Box 9, Folder 9	Evans and Edwards, exchange of information with England, 1934
Box 9, Folder 10	Evans and George Washington, undated
Box 9, Folder 11	Evans and Florida, undated
Box 9, Folder 12	Evans and Louisiana, undated
Box 9, Folder 13	Steam engine bet with David Prentice, undated
Box 9, Folder 14	Evans and Delaware, undated
Box 9, Folder 15	Evans and Vermont, undated
Box 9, Folder 16	Evans and New Hampshire, undated

Box 9, Folder 17	Evans and North Carolina, undated
Box 9, Folder 18	Evans and Gap Mines, undated
Box 9, Folder 19	Cadwallader Evans, undated
Box 9, Folder 20	Charles Evans and John Evans, undated
Box 9, Folder 21	Evan Evans, undated
Box 9, Folder 22	George Evans, undated
Box 9, Folder 23	David Muhlenberg, undated
Box 9, Folder 24	James I. Rush, undated
Box 9, Folder 25	Owen Evans (gun maker), undated
Box 9, Folder 26	Evans safe, undated
Box 9, Folder 27	Articles about Oliver Evans (20th Century), undated
Box 9, Folder 28	Newspaper articles (copies, 1805-1817), undated
Box 9, Folder 29	Correspondence, general, 1934-1935
Box 10, Box 1	Library holdings related to, 1934
Box 10, Box 2	Miscellaneous notes about Oliver Evans, 1936
Box 12, Folder 5-8	Oliver Evans research, undated

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Research about Jacob Perkins (1766-1849), 1937-1944

Scope and Contents: This series consists of research materials (bibliographies, drafts, copies of primary sources) assembled and used by Greville Bathe in writing his book about Jacob Perkins (1766-1849), a mechanical engineer and inventor titled, *Jacob Perkins: His Inventions, His Times, and His Contemporaries* (1943). The materials are both typescript and handwritten.

Box 10, Folder 3-5	Research about Jacob Perkins, 1937-1940
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Box 11, Folder 1-6	Research about Jacob Perkins, 1937-1944
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Miscellaneous, 1919-1980

Box 12, Folder 1 Engineering notebooks of Greville Bathe, undated

Box 12, Folder 2 Copies of patents (for toy steam engines), undated

Box 12, Folder 3 Miscellaneous, 1925-1980

Box 12, Folder 4 Notes on the history of steam power, circa 1930

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