Guide to the Greville Bathe Papers

NMAH.AC.0970
Alison Oswald
2018
Table of Contents

Collection Overview ........................................................................................................ 1
Administrative Information .............................................................................................. 1
Arrangement..................................................................................................................... 2
Scope and Contents note................................................................................................ 2
Biographical...................................................................................................................... 2
Names and Subjects ........................................................................................................ 3
Container Listing .............................................................................................................. 4
  Series : Correspondence, 1893-1960...................................................................... 4
  Series : Photographs, 1897-1954............................................................................. 5
  Series : Writings, 1933-1960.................................................................................... 6
  Series : Catalogs/Trade Literature, 1905-1985........................................................ 7
  Series : Research about Oliver Evans (1755-1819), 1933-1962.............................. 9
  Series : Research about Jacob Perkins (1766-1849), 1937-1944.......................... 14
  Series : Miscellaneous, 1919-1980........................................................................ 15
Collection Overview

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

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.
Greville I. Bathe 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).

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.

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 (1766-1819), 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 |

*Return to Table of Contents*
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")
Writings, 1933-1960

Box 3, Folder 2  Citizen Genet, 1946-1948

Box 3, Folder 3  Hoizontal 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

Return to Table of Contents
Catalogs/Trade Literature, 1905-1985

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

*Return to Table of Contents*
Research about Oliver Evans (1755-1819), 1933-1962

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

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
Box 11, Folder 1-6        Research about Jacob Perkins, 1937-1944

*Return to Table of Contents*
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

Return to Table of Contents