



Smithsonian
National Museum of American History
Kenneth E. Behring Center

Guide to the Worthington Corporation Records

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Table of Contents

Collection Overview	1
Administrative Information	1
Arrangement.....	3
Biographical / Historical.....	2
Scope and Contents.....	3
Names and Subjects	3
Container Listing	5
Series 1: Historical and Reference Materials, 1847-1965.....	5
Series 2: Administrative and Business Records, 1856-1963.....	7
Series 3: Publications, 1872-1982.....	10
Series 4: Photographs, 1840-1964.....	25
Series 5: Sketchbooks and Notebooks, 1882-1964.....	36

Collection Overview

Repository:	Archives Center, National Museum of American History
Title:	Worthington Corporation Records
Identifier:	NMAH.AC.0916
Date:	1840-1982
Extent:	18 Cubic feet (54 boxes, 1 map folder)
Source:	Work and Industry, Division of, NMAH, SI History of Technology, Division of, NMAH, SI Holly Manufacturing Company Worthington Corporation Mechanical and Civil Engineering, Division of [former name], NMAH, SI.
Language:	English Collection primarily in English, but also contains trade literature in Spanish, Portuguese, Italian and French.
Summary:	This collection documents the products and business activities of the Worthington Corporation, its predecessors and its subsidiaries. The records focus on the products that the Worthington Corporation produced, including steam pumps, hydraulic pumps and gas engines.
Digital Content:	Image(s): Worthington Corporation Records

Administrative Information

Immediate Source of Acquisition

Donated to the Smithsonian in the 1960s by Studebaker Worthington, Inc.

Ownership and Custodial History

Transferred to the Archives Center in 2007 by the Division of Work and Industry.

Related Materials

Archives Center, National Museum of American History

Warshaw Collection of Business Americana, Series: Pumps (AC0060)

Division of Political and Military History

The Division of Political and Military History holds photographs of a World War I bond drive at the Deane Works of Holyoke, Massachusetts. See accessions: 1979.0015.01 and 1979.0015.04.

Division of Science and Medicine

The Division of Medicine and Science holds several Watch Dog Water Meters produced by the Worthington-Gamon Meter Company. See accessions PH.325890 and PH.325891.

Smithsonian Institution Libraries Trade Literature Collection

The libraries contain trade literature on Worthington and its subsidiaries.

Processing Information

Collection processed by Miles Lawlor; supervised by Alison Oswald, archivist, July 2019.

Preferred Citation

Worthington Corporation Records, 1840-1982, Archives Center, National Museum of American History.

Restrictions

Collection is open for research.

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Biographical / Historical

Henry R. Worthington (December 17, 1817-December 17, 1880) was an innovator in the world of 19th century steam pumps earning patents for a direct-acting steam pump (US Patent 6274) and a duplex steam pump (US Patent 116,131). Initially, Worthington partnered with William H. Baker to found the Worthington & Baker Works in 1845, with the works based in Brooklyn. Worthington's company began by producing various pumps for naval craft, including pumps installed on the *USS Monitor*, the first ironclad ship of the US Navy. After Baker's death, Worthington changed the name of his business to the Henry R. Worthington Corporation and expanded into the production of water works pumps for major cities. Worthington pumps gained international acclaim at World's Fairs in the latter half of the 19th century. Fountains at the Centennial Exposition of 1876 and Columbian Exposition of 1893 and the hydraulic pumps for the Eiffel Tower's elevators at the Exposition Universelle of 1900 were all powered by Worthington products.

In 1899, Worthington was purchased and merged into the International Steam Pump Company, along with the Blake and Knowles Steam Pump Company, Laidlaw-Dunn-Gordon Company, the Snow Steam Works, the Deane Steam Pump Company and several smaller works. After the acquisition of these different works, the International Steam Pump Company's product line expanded to include gas engines and mining machinery.

International Steam Pump reverted to the Worthington name, first as Worthington Pump and Machinery Corporation (1916-1952) and then as the Worthington Corporation (1952-1967). It was also during this time when Worthington relocated its main works from Brooklyn to Harrison, New Jersey in 1917. All the while, the company continued to produce hydraulic engines, gas engines and water works pumps. Through various mergers the company also diversified into refrigeration and air conditioning. In 1967, the Worthington Corporation merged with the Studebaker Automobile Manufacturing Company, becoming Studebaker-Worthington.

Scope and Contents

This collection documents the products and business activities of the Worthington Corporation, its predecessors and its subsidiaries. It consists of annual and monthly reports, correspondence, legal filings, trade literature, photographs, airbrushed photographs and product illustrations, financial reports, meeting minutes, newsletters, company histories and research notes, patents, blueprints, engineering sketchbooks, lecture notes, publications, and promotional materials for several World's Fairs where Worthington products were exhibited.

Arrangement

The collection is arranged into five series.

Series 1: Historical and Reference Materials, 1847-1965

Series 2: Administrative and Business Records, 1856-1963

Series 3: Publications, 1872-1982

Series 4: Photographs, 1840-1964

Series 5: Sketchbooks and Notebooks, 1882-1964

Names and Subject Terms

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

Subjects:

- Business -- History
- Diesel engines
- Pumping machinery
- Rock-drills
- Steam-engines
- Steam-turbines

Types of Materials:

- Advertisements
- Correspondence -- 19th century
- Financial records -- 20th century

Legal documents
Minute books
Newsletters -- 20th century
Patents
Photographs -- 19th century
Reports
Sketchbooks
Trade catalogs

Names:

Grace, John F.
Henry R. Worthington Pump Works
History of Technology, Division of, NMAH, SI
International Steam Pump Company
Jeansville Iron Works
Mechanical and Civil Engineering, Division of [former name], NMAH, SI.
Work and Industry, Division of, NMAH, SI
Worthington Pump and Machinery Corporation

Geographic Names:

Buffalo (N.Y.)
Cincinnati (Ohio)
England
Hazelton (Penn.)
Holyoke (Mass.)
London

Container Listing

Series 1: Historical and Reference Materials, 1847-1965

This series includes court proceedings, organizational charts, company histories for several Worthington subsidiaries, drafts of a company history and accompanying research notes, correspondence, World's Fair programs, cartoon sketches, and a Concurrent Resolution from the New Jersey Legislature.

Box 1, Folder 1	Patent for Force Pump with Fire Engine Attachment, 1847
Box 1, Folder 2-3	"The Worthington Steam Pumping Engine" autographed by Henry R. Worthington, 1876
Box 1, Folder 4	Final Draft of J.F. Grace's Company History, 1957
Box 1, Folder 5	"History of Worthington Corporation Draft, circa 1957
Box 1, Folder 6-8; Box 2, Folder 1-3	J.F. Grace Research Notes, 1912-1964
Box 2, Folder 4	J.F. Grace Cartoon Sketches, circa 1920-1941 Image(s) Includes pencil and pen and ink drawings done by J.F. Grace relating to the Worthington Corporation. Many of these drawings appear to satirize other Worthington employees and business practices.
Box 2, Folder 5	1859 Pumping Engine Patent Extension Case, 1873
Box 2, Folder 6	J.F. Grace Brooklyn Works File, 1946-1949
Box 2, Folder 7; Map-folder 1; Box 43, Folder 3	Company History Charts, undated
Box 2, Folder 8	Sketch of Worthington Family Tree, 1950s
Box 2, Folder 9	Henry R. Worthington Correspondence, 1862-1885
Box 2, Folder 10	Worthington Centennial Exhibition Water Supply Invitation, 1876
Box 2, Folder 11	"Plan of World's Columbian Exposition and Handy Map of Chicago" Printed by Henry R. Worthington Company, 1893
Box 2, Folder 12;	Worthington Winged Globe Symbol, undated

Box 44, Folder 1	
Box 2, Folder 13	Worthington's Participation in World War I, 1919-1920
Box 2, Folder 14	Reorganization as the Worthington Pump and Machinery Corporation, 1915-1916
Box 2, Folder 15	Hydraulic Works Machinists' Aid Society Annual Ball Program, 1894
Box 2, Folder 16	"100 Years of Worthington" Booklet, 1940
Box 3, Folder 1-2	Writings and Speeches by Worthington Executives, 1953-1955
Box 3, Folder 3	Ingersoll-Rand v. Worthington Patent Infringement Case, 1933
Box 3, Folder 4	Early History of Holly Manufacturing Company, 1859-1912
Box 3, Folder 5	Holly Manufacturing Receivership, 1915-1916
Box 3, Folder 6	Snow-Holly Works Early History and Correspondence, 1919
Box 3, Folder 7	Foster-Wheeler Company History, Chapters One and Two, undated
Box 3, Folder 8	Guaranty Trust Company v. International Steam Pump Company Affidavits and Foreclosure Decree, 1915-1916
Box 3, Folder 9	Worthington Governor in use in Estes Park, Colorado, 1962
Box 3, Folder 10	Programs for "E" and "M" Flag Presentations by the Navy and United States Maritime Commission, 1942-1943
Box 3, Folder 11	Laidlaw Feather-Valve History, 1915
Box 44, Folder 2; Map-folder 1	J.F. Grace Brooklyn Works, 1946-1949
Box 44, Folder 4-5	Holly Manufacturing Minutes of Trustees, 1859-1912
Box 44, Folder 6	History of the Coolgardie Water Supply Scheme, undated
Box 44, Folder 7	New Jersey Concurrent Resolution Commemorating the 125th Anniversary of the Worthington Corporation, 1965

[Return to Table of Contents](#)

Series 2: Administrative and Business Records, 1856-1963

This series documents the business activities of the Worthington Corporation. It includes monthly and annual reports, price books, patents, reference binders maintained by sales offices, stock circulars and stockholder reports, memoranda and correspondence, press clippings, blueprints, product testimonials, employee handbooks and apprentice contracts. The series also contains booklets given to supervisors at Worthington as part of an Industrial Management course offered by the YMCA in 1919.

Box 3, Folder 12	Employee Pay Rates, 1873-1903
Box 3, Folder 13	Rules and Regulations Relative to Apprentices, undated
Box 3, Folder 14	Departmental Organizational Charts, 1918
Box 3, Folder 15	J. Ericsson Correspondence, 1880
Box 3, Folder 16	Administrative Correspondence, 1903
Box 3, Folder 17	Advertising Correspondence, Mockup and Clippings, 1919-1958
Box 3, Folder 18	Plan for Recapitalization, 1937
Box 3, Folder 19	Memoranda from the New York Office, 1916-1927
Box 3, Folder 20	Publicity Department Correspondence, 1911
Box 4, Folder 1	Program Trainee Lists and Photographs, 1920-1943
Box 4, Folder 2	Annual Reports, 1901-1913
Box 4, Folder 3	Annual Reports, 1923-1926
Box 4, Folder 4	Report of the Directors for Worthington-Simpson Limited, 1923-1927
Box 4, Folder 5	Harrison Works Annual Report Photographs, 1929
Box 4, Folder 6	Monthly Reports, 1956-1957
Box 4, Folder 7	International Gas Engine Company/Power Mining Machinery Correspondence, 1910-1911
Box 5, Folder 1	Thomas J. Kehane Site Visit and Product Reports, 1926
Box 5, Folder 2;	Purchase Agreements and Proposals, 1897-1937

Map-folder 1

Box 5, Folder 3	Stockholder Reports, 1936-1960
Box 5, Folder 4	Employee Benefit Association, 1923-1930
Box 5, Folder 5	Budget Files and Memoranda, 1928-1930
Box 5, Folder 6	Electric Machinery Company Employee Handbook, undated
Box 5, Folder 7	Feed Water Heating in Locomotives, 1918-1921
Box 5, Folder 8	Clippings, 1856-1958
Box 5, Folder 9	Product Testimonials, 1910, undated
Box 5, Folder 10	Diesel Engine Product List, 1941
Box 5, Folder 11	Sales and Product Department Circulars, 1950-1956
Box 5, Folder 12	Report on Shop Tests of 2400 I.H.P. Worthington Marine Diesel Engine, undated
Box 5, Folder 13	Product Specifications, 1920-1923
Box 5, Folder 14	Worthington Price Book #357, 1920-1955
Box 5, Folder 15	Worthington Price Book #357, 1920-1955
Box 6, Folder 1	Worthington Price Book #357, 1920-1955
Box 6, Folder 2-3	New Orleans Sales Office Reference Binder, 1933-1950
Box 6, Folder 4	Sales Convention at Deane Works of Holyoke, 1911
Box 6, Folder 5	Worthington and Unaflow Steam Engine Articles and Correspondence, 1919-1963
Box 6, Folder 6	Sales Department Correspondence, 1894-1918
Box 6, Folder 7	Condenser Department Book Prints, 1894
Box 6, Folder 8	Special Condenser Design, 1926-1927

Box 6, Folder 9	Worthington Pump and Machinery Corporation Stock Circular, 1929
Box 6, Folder 10	C.G. Hildreth Memoranda, 1886-1895
Box 6, Folder 11	ASME Annual Meeting and Worthington Factory Tour, 1905
Box 6, Folder 12	The Co-operative Wage System, 1914
Box 6, Folder 13	Cooperative Management Conference Minutes, 1919
Box 6, Folder 14	Employee Obituary Clippings, 1945-1955
Box 6, Folder 15	Worthington Employees' Novelty Dance Press Release, 1920
Box 6, Folder 16	Feedwater Heater Blueprint, 1892
Box 6, Folder 17	Gas Engine Compressor Blueprints, 1930
Box 7, Folder 1	Industrial Management Course Workbooks, 1919
Box 7, Folder 2; Map-folder 1	Pump Blueprints, 1906-1926
Box 7, Folder 3	General Electric Miscellaneous Turbine Patents Volume 5, 1913-1915
Box 7, Folder 4	C.H. Wheeler Company Patents, 1906-1926
Box 7, Folder 5-6	Gas Engine Patents Volume 2, undated
Box 44, Folder 8-9; Box 45, Folder 1	Worthington Pump and Machinery Corporation Statistics, 1919-1923

[Return to Table of Contents](#)

Series 3: Publications, 1872-1982

This series is made up of the various publications in the collection. Publications created by the Worthington Corporation and its various subsidiaries, as well as external publications maintained by the Corporation for reference purposes, are represented. A large majority of this series is made up of trade literature, including promotional material, product manuals and information booklets on Worthington products.

Subseries 3.1: Trade Literature, 1872-1981

This subseries is made up of the collection's trade literature. It includes materials produced by the Worthington Corporation and its subsidiaries, as well as its competitors. It contains promotional pamphlets, trade catalogs, and other materials printed to commemorate the use of Worthington products at significant events, such as the use of Worthington water pumps produced for the Louisiana Purchase Exposition of 1904.

Box 7, Folder 7 Alberger Pump and Condenser Company, 1915

Box 7, Folder 8 Bethlehem Shipbuilding Corporation, 1925

Box 8, Folder 1 Blake and Knowles, 1897

Box 8, Folder 2 Blake and Knowles, 1899

Box 8, Folder 3 Blake and Knowles, 1902

Box 8, Folder 4 Blake and Knowles, 1903

Box 8, Folder 5 Blake and Knowles, 1906

Box 8, Folder 6 Blake and Knowles, 1908

Box 8, Folder 7 Blake and Knowles, 1909

Box 8, Folder 8-10 Blake and Knowles, 1911-1911
Some materials in this file are in Spanish.

Box 8, Folder 11 Blake and Knowles, 1912

Box 8, Folder 12 Blake and Knowles, 1913

Box 8, Folder 13 Blake and Knowles, 1914

Box 9, Folder 1 Blake and Knowles, 1915

Box 9, Folder 2 Blake and Knowles, 1916

Box 9, Folder 3	Blake and Knowles, 1917
Box 9, Folder 4-5	Blake and Knowles, 1918
Box 9, Folder 6	Blake and Knowles, 1919
Box 9, Folder 7-8	Blake and Knowles, 1920
Box 9, Folder 9	Blake and Knowles, 1921
Box 9, Folder 10	Blake and Knowles, 1922
Box 9, Folder 11	Blake and Knowles, 1923
Box 9, Folder 12	Blake and Knowles, 1924
Box 9, Folder 13	Blake and Knowles, 1925
Box 9, Folder 14	Blake and Knowles, 1926
Box 9, Folder 15	Blake and Knowles, 1927
Box 10, Folder 1	Blake and Knowles, undated
Box 10, Folder 2	Bound Catalogs, 1906-1909
Box 10, Folder 3	Carbondale Machine Corporation, 1924-1936
Box 10, Folder 4	Catalog, circa 1911
Box 10, Folder 5	Catalog, 1915-1926
Box 11, Folder 1	Catalog, 1915-1927
Box 11, Folder 2	Catalog, 1915-1928
Box 11, Folder 3	Catalog, 1919
Box 11, Folder 4	Catalog, 1920-1927
Box 12, Folder 1	Catalog, 1925-1927

Box 12, Folder 2	Clayton, 1915
Box 12, Folder 3	Code Book, 1909
Box 12, Folder 4	Davies and Metcalfe, undated
Box 12, Folder 5	Deane Pump Reference Notebook, circa 1895
Box 12, Folder 6	Deane, 1903
Box 12, Folder 7	Deane, 1904
Box 12, Folder 8	Deane, 1906
Box 12, Folder 9	Deane, 1908
Box 12, Folder 10	Deane, 1909
Box 12, Folder 11	Deane, 1910
Box 13, Folder 1-2	Deane, 1911
Box 13, Folder 3	Deane, 1912
Box 13, Folder 4	Deane, 1913
Box 13, Folder 5	Deane, 1914
Box 13, Folder 6	Deane, 1915
Box 13, Folder 7	Deane, 1916
Box 13, Folder 8	Deane, 1917
Box 13, Folder 9	Deane, 1918
Box 13, Folder 10	Deane, 1919
Box 13, Folder 11	Deane, 1920
Box 13, Folder 12	Deane, 1921
Box 13, Folder 13	Deane, 1922

Box 13, Folder 14	Deane, 1923
Box 13, Folder 15	Deane, 1924
Box 13, Folder 16	Deane, 1925
Box 13, Folder 17	Deane, 1927
Box 13, Folder 18	Deane, 1928
Box 14, Folder 1	Deane, 1929
Box 14, Folder 2	Deane, 1930
Box 14, Folder 3	Deane, 1931
Box 14, Folder 4	Deane, undated
Box 14, Folder 5	Gas Engine Works, 1920-1921
Box 14, Folder 6	Hooven, Owens, Rentschler Company, 1907
Box 14, Folder 7	Kingsford Pumps, undated
Box 14, Folder 8	Jeanesville Iron Works, 1911
Box 14, Folder 9	International Gas Engine Company, 1916-1922
Box 14, Folder 10	International Gas Engine Company, undated Some materials in this file are in Spanish.
Box 14, Folder 11	Laidlaw, Dunn and Gordon, 1901
Box 14, Folder 12	Laidlaw, Dunn and Gordon, 1904
Box 14, Folder 13	Laidlaw, Dunn and Gordon, 1905
Box 15, Folder 1	Laidlaw, Dunn and Gordon, 1907
Box 15, Folder 2	Laidlaw, Dunn and Gordon, 1909
Box 15, Folder 3	Laidlaw, Dunn and Gordon, 1911

Box 15, Folder 4	Laidlaw, Dunn and Gordon, 1912
Box 15, Folder 5	Laidlaw, Dunn and Gordon, 1914
Box 15, Folder 6	Laidlaw, Dunn and Gordon, 1915
Box 15, Folder 7	Laidlaw, 1916
Box 15, Folder 8	Laidlaw, 1917
Box 15, Folder 9	Laidlaw, 1918
Box 15, Folder 10	Laidlaw, 1919
Box 15, Folder 11	Laidlaw, 1920 Some materials in this file are in French.
Box 15, Folder 12	Laidlaw, 1921
Box 15, Folder 13	Laidlaw, 1922
Box 15, Folder 14	Laidlaw, 1923
Box 15, Folder 15	Laidlaw, 1924
Box 15, Folder 16	Laidlaw, 1925
Box 15, Folder 17	Laidlaw, 1926
Box 15, Folder 18	Laidlaw, 1927
Box 15, Folder 19	Laidlaw, 1928
Box 15, Folder 20	Laidlaw, undated
Box 15, Folder 21	Peter F. Loftus Corporation, undated
Box 16, Folder 1	Mueller Climatrol and L.J. Mueller Furnace Company, 1942-1957
Box 16, Folder 2	National Transit Pump and Machine Company, undated
Box 16, Folder 3	Official Reports of Various Duty Trials of the Gaskill Pumping Engine, 1891

Box 16, Folder 4	Pompes Centrifuges L. Durant, 1913 Materials in this file are in French.
Box 16, Folder 5	Power and Mining Machinery, 1910
Box 16, Folder 6	Power and Mining Machinery, 1912
Box 16, Folder 7-8	Power and Mining Machinery, 1913
Box 16, Folder 9	Power and Mining Machinery, 1916
Box 16, Folder 10	Power and Mining Machinery, 1918
Box 16, Folder 11	Power and Mining Machinery, 1919
Box 16, Folder 12	Power and Mining Machinery, 1920
Box 16, Folder 13	Power and Mining Machinery, 1921
Box 16, Folder 14	Power and Mining Machinery, 1922
Box 16, Folder 15	Power and Mining Machinery, 1923
Box 17, Folder 1	Power Mining and Machinery, undated Some materials in this file are in Spanish.
Box 17, Folder 2	Price list for Steam and Electric Pumps, Condensers and Water Meters, 1897
Box 17, Folder 3	Price Lists, 1902
Box 17, Folder 4	Product Catalog, 1912
Box 17, Folder 5	Product Catalog and Manual, 1941-1952
Box 17, Folder 6	Pumping Machinery at St. Louis, 1904
Box 17, Folder 7	Schutte and Koerting, 1921-1926
Box 17, Folder 8	Snow, 1909
Box 17, Folder 9	Snow, 1911

Box 17, Folder 10	Snow, 1913
Box 17, Folder 11	Snow, 1917
Box 17, Folder 12	Snow, 1918
Box 17, Folder 13	Snow, 1919
Box 17, Folder 14	Snow, 1920
Box 17, Folder 15	Snow, 1921
Box 17, Folder 16	Snow, 1922
Box 17, Folder 17	Snow, 1925
Box 17, Folder 18	Snow, 1926
Box 17, Folder 19	Snow, 1927
Box 17, Folder 20	Snow, 1928
Box 17, Folder 21	Snow, 1930
Box 18, Folder 1	Snow, 1932
Box 18, Folder 2	Snow, 1934
Box 18, Folder 3	Snow, 1935
Box 18, Folder 4	Snow, 1936
Box 18, Folder 5	Snow, 1937
Box 18, Folder 6	Snow, 1938
Box 18, Folder 7	Snow, 1939
Box 18, Folder 8	Snow, 1947
Box 18, Folder 9	Snow, 1951
Box 18, Folder 10	Snow, 1953

Box 18, Folder 11	Snow, 1954
Box 18, Folder 12	Snow, 1955
Box 18, Folder 13	Snow, undated
Box 18, Folder 14	Stock List/Price List, 1914-1928
Box 18, Folder 15	Stock List/Price List, 1919-1928
Box 18, Folder 16	Tangyes Limited, ca. 1911
Box 19, Folder 1	Wheeler Condenser and Engineering Company Steam Tables for Condenser Works, 1912
Box 19, Folder 2	C.H. Wheeler, 1916
Box 19, Folder 3	C.H. Wheeler, 1921
Box 19, Folder 4	Worthington Steam Pumping Engines Brochure, 1872
Box 19, Folder 5	Worthington, 1876
Box 19, Folder 6	Worthington, 1877
Box 19, Folder 7	Worthington, 1881
Box 19, Folder 8	Worthington, 1884
Box 19, Folder 9	Worthington, 1888
Box 19, Folder 10	Worthington, 1893
Box 19, Folder 11	Worthington, 1895
Box 19, Folder 12	Worthington, 1897
Box 19, Folder 13	Worthington, 1898
Box 19, Folder 14	Worthington, 1900
Box 19, Folder 15	Worthington, 1901

Box 19, Folder 16	Worthington, 1902
Box 19, Folder 17	Worthington, 1903
Box 19, Folder 18-19	Worthington, 1904
Box 20, Folder 1	Worthington, 1905
Box 20, Folder 2	Worthington, 1907
Box 20, Folder 3	Worthington, 1908
Box 20, Folder 4	Worthington, 1909
Box 20, Folder 5	Worthington, 1910
Box 20, Folder 6	Worthington, 1911
Box 20, Folder 7-8	Worthington, 1912
Box 20, Folder 9	Worthington, 1913
Box 20, Folder 10	Worthington, 1914
Box 20, Folder 11	Worthington, 1915 File contains some materials in Spanish.
Box 20, Folder 12	Worthington, 1916
Box 21, Folder 1-2	Worthington, 1917
Box 21, Folder 3	Worthington, 1918
Box 21, Folder 4	Worthington, 1919
Box 21, Folder 5-6	Worthington, 1920
Box 21, Folder 7	Worthington, 1921
Box 21, Folder 8	Worthington, 1922
Box 21, Folder 9	Worthington, 1923

Box 21, Folder 10	Worthington, 1924
Box 21, Folder 11	Worthington, 1925 File contains some materials in Portuguese.
Box 22, Folder 1	Worthington, 1926
Box 22, Folder 2	Worthington, 1927
Box 22, Folder 3	Worthington Price List, 1927
Box 22, Folder 4	Worthington, 1928
Box 22, Folder 5	Worthington, 1929
Box 22, Folder 6	Worthington, 1930
Box 22, Folder 7	Worthington, 1931
Box 22, Folder 8	Worthington, 1933
Box 22, Folder 9	Worthington, 1934
Box 22, Folder 10	Worthington, 1935
Box 22, Folder 11	Worthington, 1936
Box 22, Folder 12	Worthington, 1937
Box 22, Folder 13	Worthington, 1940
Box 22, Folder 14	Worthington, 1941
Box 22, Folder 15	Worthington, 1942
Box 22, Folder 16	Worthington, 1943
Box 22, Folder 17	Worthington, 1944
Box 22, Folder 18	Worthington, 1945
Box 23, Folder 1	Worthington, 1946

Box 23, Folder 2-3	Worthington, 1947
Box 23, Folder 4	Worthington, 1948
Box 23, Folder 5	Worthington, 1949
Box 23, Folder 6	Worthington, 1950
Box 23, Folder 7	Worthington, 1951
Box 23, Folder 8	Worthington, 1953
Box 23, Folder 9	Worthington, 1955
Box 23, Folder 10	Worthington, 1956
Box 23, Folder 11	Worthington, 1958
Box 23, Folder 12	Worthington, 1959
Box 23, Folder 13	Worthington, 1960
Box 23, Folder 14	Worthington, 1961
Box 23, Folder 15	Worthington, 1962
Box 24, Folder 1	Worthington, 1963
Box 24, Folder 2	Worthington, 1964
Box 24, Folder 3	Worthington, 1965
Box 24, Folder 4	Worthington, 1981
Box 24, Folder 5	Worthington, undated File includes some materials in French.
Box 24, Folder 6	Worthington-Simpson, undated
Box 24, Folder 7	Worthington-Simpson, 1923
Box 24, Folder 8	Worthington-Simpson, 1933

Box 24, Folder 9	Worthington-Simpson, 1935
Box 24, Folder 10	Worthington-Simpson, 1936
Box 24, Folder 11	Worthington-Simpson, 1937
Box 24, Folder 12	Worthington-Simpson, 1947
Box 24, Folder 13	Worthington-Simpson, undated
Box 45, Folder 2	Triple Expansion Hydraulic Pumping Engines for the Eiffel Tower, 1900
Box 45, Folder 3	Triple Expansion Jet Condenser Exhibited at the Exposition Universelle, 1900
Box 45, Folder 4	Vertical Triple Expansion High Duty Pumping Engine, 1900

Subseries 3.2: Instructional Manuals, 1926-1948

This sub-series is made up of instruction manuals produced for the installation and operation of Worthington products.

Box 24, Folder 14	Manuals, 1926
Box 24, Folder 15	Manuals, 1934
Box 24, Folder 16	Manuals, 1935
Box 24, Folder 17	WP-1096 Chemical Pump Manual, 1936
Box 24, Folder 18	Manuals, 1936
Box 24, Folder 19	Manuals, 1937
Box 24, Folder 20	Manuals, 1938
Box 24, Folder 21	Cooper-Bessemer Type GMV Engine-Driven Compressor, 1938
Box 24, Folder 22	Manuals, 1939
Box 24, Folder 23	Manuals, 1940
Box 24, Folder 24	Instruction Book for turbine, sold to Henry Bosch Co., circa 1940

Box 24, Folder 25	Manuals, 1941
Box 24, Folder 26	Manuals, 1942
Box 25, Folder 1	Manuals, 1943
Box 25, Folder 2	Manuals, 1944
Box 25, Folder 3	Manuals, 1945
Box 25, Folder 4	Manuals, 1946
Box 25, Folder 5	Manuals, 1947
Box 25, Folder 6	Manuals, 1948
Box 25, Folder 7	Manuals, 1947
Box 25, Folder 8	Type LCE Angle Gas Compressor Operating Manual, undated
Box 25, Folder 9	Automatic Priming Monobloc Pump Instruction Manual, undated

Subseries 3.3: Newsletters, 1892-1964

This sub-series is made up of company newsletters produced by the various works owned by Worthington, as well as newsletters produced and distributed throughout the company.

Box 25, Folder 10	<i>Henry R. Worthington Bulletin</i> , 1892-1895
Box 25, Folder 11-12	<i>Interoffice and Sales Bulletin</i> , 1904-1905
Box 25, Folder 13; Box 26, Folder 1-2	<i>Deane News</i> , 1919-1926 Image(s)
Box 26, Folder 3	<i>Feathervalve News</i> , 1920-1925
Box 26, Folder 4-5	<i>Simplexities</i> , 1920-1926
Box 26, Folder 6	<i>Worthingtonian</i> , 1921
Box 26, Folder 7	<i>The Worthy Spirit</i> , 1942
Box 26, Folder 8	<i>Worthite News</i> , 1944-1945

- Box 26, Folder 9 *Worthington Compressor and Engine Division News Letter, 1959-1960*
- Box 26, Folder 10 *Worthington News (I), 1929-1931*
[Image\(s\)](#)
- Box 26, Folder 11 *Worthington News (II), 1945-1964*

Subseries 3.4: Internal Publications, 1919-1982

This series consists of event programs, employee handbooks, conference proceedings and telephone directories.

- Box 26, Folder 12 United States Service Roll of Honor of Employees of Worthington, 1919
- Box 26, Folder 13 The First American , 1924
- Box 26, Folder 14 Worthington Centrifugal Pump Conference Proceedings, 1925
- Box 27, Folder 1-4 Telephone Directories, 1930-1962
- Box 27, Folder 5 Ampere Works Shop Tour Program, 1957
- Box 27, Folder 6 Buffalo Old Timers Banquet Programs, 1956-1960
- Box 27, Folder 7 Heat-Power Turbo Refrigeration: A Design Study, 1957
- Box 27, Folder 8 Austin C. Ross Retirement Program, 1958
- Box 27, Folder 9 Worthington Horizontal Cross Compound Pumping Engine Mechanical Engineering Landmark Program, 1982
- Box 27, Folder 10 Prospective Employee Handbook, undated
- Box 27, Folder 11 Rock Drilling Machines, Drill Steels and Drill Steel Machinery by George H. Gilman, undated

Subseries 3.5: External Publications, 1884-1947

This sub-series consists of external publications retained by the Worthington Corporation and included in this collection. It includes research papers, event programs and trade magazines.

- Box 28, Folder 1 "Pumping Machinery Ancient and Modern", 1894
- Box 28, Folder 2 Capacity Test of a Unique Form of Air Pump, 1900

- Box 28, Folder 3 "The Double-Acting, Two-Cycle Oil Engine" Lecture by O.E. Jorgensen, 1925
- Box 28, Folder 4 Power Magazine 50th Anniversary Issue, 1934
- Box 28, Folder 5 Harrison, New Jersey Centennial Celebration Program, 1940
- Box 28, Folder 6 "Henry R. Worthington and His Influence upon American Industry" Lecture by Clarence E. Searle, 1947
- Box 28, Folder 7 Mason-Neilan Regulator Company History, circa 1956
- Box 28, Folder 8 Natural Gas Lines vs. Motor-Driven Centrifugal Blowers, undated
- Box 45, Folder 5 Worthington Coverage in *Mining Herald* and *Collier Engineer*, 1884

[Return to Table of Contents](#)

Series 4: Photographs, 1840-1964

This series consists of the various black and white photographs, airbrushings and illustrations maintained by the Worthington Corporation. They document many aspects of the company's history and products. Most of the photographs are unlabeled product photographs, mostly taken for catalogs. The series also contains photographs documenting work at the various Worthington Works sites. These include both interior and exterior photographs of factories and photographs of employees. Included in these employee photographs are several showing racially integrated factory floors.

The numbered photographs at the beginning of this series were retained along with their file listing. The series also contains portions of a numbered series of photographs and airbrushings of products produced at the Blake and Knowles plant. These products include diesel engines, power cylinders and marine engines and have been arranged based on their product serial number.

Box 28, Folder 9	Photographic Index, 1914
Box 28, Folder 10	1. Simplex "A" Horizontal Piston, 1914
Box 28, Folder 11	2. Simplex "A" Horizontal Plunger, 1914
Box 28, Folder 12	3. Blake Single Horizontal Piston and Type M, 1914
Box 28, Folder 13	4. Blake Double Tappet, 1914
Box 28, Folder 14	5. Blake Single Horizontal Plunger, 1914
Box 28, Folder 15	6. Knowles Single Horizontal Piston, 1914
Box 28, Folder 16	7. Knowles Single Horizontal Plunger, 1914
Box 28, Folder 17	8. Filter Press, 1914
Box 28, Folder 18	9. Magma, 1914
Box 28, Folder 19	10. Ammonia, 1914
Box 28, Folder 20	11. Vertical Simplex Piston and Plunger, Knowles "melter pan", 1914
Box 28, Folder 21	12. Artesian and deep well, steam and power, 1914
Box 28, Folder 22	13. Sinking, 1914
Box 28, Folder 23	14. Wrecking Pumps, 1914
Box 28, Folder 24	15. Horizontal Piston Pressure and Filter Press, 1914

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|-------------------|---|
| Box 28, Folder 25 | 16. Horizontal Piston Tank and Light Pressure Ballast, 1914 |
| Box 28, Folder 26 | 17. Horizontal Piston Separate Cylinder, 1914 |
| Box 28, Folder 27 | 18. Horizontal Piston Double Cap (pressure, tank and ballast), 1914 |
| Box 29, Folder 1 | 19. Horizontal Piston Slush, 1914 |
| Box 29, Folder 2 | 20. Horizontal Piston Juice and Molasses, 1914 |
| Box 29, Folder 3 | 21. Horizontal Plunger, outside end packed, 1914 |
| Box 29, Folder 4 | 22. Horizontal Plunger, Centre Packed, 1914 |
| Box 29, Folder 5 | 23. Vertical Piston Pressure and Tank, 1914 |
| Box 29, Folder 6 | 24. Vertical Plunger Centre Packed, 1914 |
| Box 29, Folder 7 | 25. Vertical Piston Ballast, 1914 |
| Box 29, Folder 8 | 26. Vertical Piston "L.O." and Launch, 1914 |
| Box 29, Folder 9 | 27. Underwriter Fire, 1914 |
| Box 29, Folder 10 | 28. Fire Boat, 1914 |
| Box 29, Folder 11 | 29. Single Compound Horizontal Piston, 1914 |
| Box 29, Folder 12 | 30. Single Compound Horizontal Plunger, 1914 |
| Box 29, Folder 13 | 31. Single and Duplex Triple Compound, 1914 |
| Box 29, Folder 14 | 32. Duplex Compound Horizontal Piston, 1914 |
| Box 29, Folder 15 | 33. Duplex Compound Horizontal Inside Plunger, 1914 |
| Box 29, Folder 16 | 34. Duplex Compound Vertical - also single and cross compound, 1914 |
| Box 29, Folder 17 | 35. Duplex Compound End Packed Plunger, 1914 |
| Box 29, Folder 18 | 36. Duplex Compound End Packed Plunger, 1914 |
| Box 29, Folder 19 | 37. Single Horizontal Piston, 1914 |

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| Box 29, Folder 20 | 38. Single Horizontal Magma, 1914 |
| Box 29, Folder 21 | 39. Duplex Horizontal Piston, 1914 |
| Box 29, Folder 22 | 40. Duplex Horizontal Plunger, 1914 |
| Box 29, Folder 23 | 41. Vertical Triplex and Single and Duplex Hand Test Pump, 1914 |
| Box 29, Folder 24 | 42. Horizontal Triplex, 1914 |
| Box 29, Folder 25 | 43. Express, 1914 |
| Box 29, Folder 26 | 44. Single Horizontal Piston, 1914 |
| Box 29, Folder 27 | 45. Suplex Horizontal Piston and Plunger, 1914 |
| Box 29, Folder 28 | 46. Cross Compund Duplex Engines, 1914 |
| Box 29, Folder 29 | 47. Simplex Style "A" Horizontal, 1914 |
| Box 29, Folder 30 | 48. Simplex Style "A" Horizontal with Jet Con, 1914 |
| Box 29, Folder 31 | 49. Knowles Single Horizontal, 1914 |
| Box 29, Folder 32 | 50. Knowles Single Horizontal with Jet Condenser, 1914 |
| Box 29, Folder 33 | 51. Blake Single Horizontal, 1914 |
| Box 29, Folder 34 | 52. Blake Single Horizontal with Jet Condenser, 1914 |
| Box 29, Folder 35 | 53. Single Horizontal Double Tappet, 1914 |
| Box 29, Folder 36 | 54. Single Horizontal Compound with Jet Condenser, 1914 |
| Box 29, Folder 37 | 55. Duplex Horizontal with Jet Condenser, 1914 |
| Box 29, Folder 38 | 56. Vertical Single, Double-Acting, Beam, Direct-Acting and Flywheel, 1914 |
| Box 29, Folder 39 | 57. Featherweight and Suction Valveless, 1914 |
| Box 29, Folder 40 | 58. Vertical Simplex Beam Air, 1914 |

Box 30, Folder 1	59. Vertical Twin Beam Air, 1914
Box 30, Folder 2	60. Vertical Twin Beam Air with Condensor, 1914
Box 30, Folder 3	61. Vertical Twinplex Beam Air, 1914
Box 30, Folder 4	62. Single Horizontal Flywheel, 1914
Box 30, Folder 5	63. Duplex Horizontal Flywheel, 1914
Box 30, Folder 6	64. Single Horizontal Flywheel Sweet Water, 1914
Box 30, Folder 7	65. Vertical Flywheel Suction Valveless, 1914
Box 30, Folder 8	66. Horizontal Power Driven, 1914
Box 30, Folder 9	67. Vertical Power Driven, 1914
Box 30, Folder 10	68. Horizontal Combined Air and Circulating Direct-Acting, 1914
Box 30, Folder 11	69. Vertical Combined Air and Circulating Simplex Beam, 1914
Box 30, Folder 12	70. Flywheel Combined Air and Circulating, 1914
Box 30, Folder 13	71. Spirojector Condenser, 1914
Box 30, Folder 14	72. Single Horizontal Centre Crank Steam-Driven "L.V." Type, 1914
Box 30, Folder 15	73. Single Horizontal Straight Line Steam Driven "L.V." "C," etc., 1914
Box 30, Folder 16	74. Horizontal Two Stage Steam and Power Driven, 1914
Box 30, Folder 17	75. Single Horizontal Steam Driven Type "C", 1914
Box 30, Folder 18	76. Single Horizontal Steam and Power Driven Type "E", 1914
Box 30, Folder 19	77. Duplex Horizontal Cente Crank Steam Drives, 1914
Box 30, Folder 20	78. Single and Duplex Horizontal Power Driven, 1914
Box 30, Folder 21	79. Vertical Steam and Power Driven "L.V." "C" "E," etc., 1914
Box 30, Folder 22	80. Parts, 1914

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|-------------------|---|
| Box 30, Folder 23 | 81. Single Horizontal Steam Driven Climax, 1914 |
| Box 30, Folder 24 | 82. Duplex Horizontal Steam Driven Climax, 1914 |
| Box 30, Folder 25 | 83. Single Horizontal Two and Three Stage Steam Driven Climax, 1914 |
| Box 30, Folder 26 | 84. Duplex Horizontal Two and Three Stage Steam Driven Climax, 1914 |
| Box 30, Folder 27 | 85. Single Horizontal Power Climax, 1914 |
| Box 30, Folder 28 | 86. Duplex Horizontal Power Climax, 1914 |
| Box 30, Folder 29 | 87. Single Horizontal Two and Three Stage Power Climax, 1914 |
| Box 30, Folder 30 | 88. Duplex Horizontal Two and Three Stage Power Climax, 1914 |
| Box 30, Folder 31 | 89. Single Vertical Garage, One and Two Stage, 1914 |
| Box 30, Folder 32 | 90. Duplex and Triplex Garage, One and Two Stage, 1914 |
| Box 30, Folder 33 | 91. Gas Compressors and Ammonia, 1914 |
| Box 30, Folder 34 | 92. Direct-Acting Blowers, 1914 |
| Box 30, Folder 35 | 93. Vertical Compressors, 1914 |
| Box 30, Folder 36 | 94. Blake Single Steam and Power Driven, 1914 |
| Box 30, Folder 37 | 95. Knowles Single Steam and Power Driven, 1914 |
| Box 30, Folder 38 | 96. Blake Duplex Steam and Power Driven, 1914 |
| Box 30, Folder 39 | 97. Knowles Duplex Steam and Power Driven, 1914 |
| Box 31, Folder 1 | 98. Air Hoists and Reheaters, 1914 |
| Box 31, Folder 2 | 100. Closed Marine Heaters, 1914 |
| Box 31, Folder 3 | 101. Vertical Engines, 1914 |
| Box 31, Folder 4 | 102. Pumps and Receivers, 1914 |

Box 31, Folder 5	103. Fuel Oil Systems, 1914
Box 31, Folder 6	104. Centrifugal and Volute Pumps, 1914
Box 31, Folder 7	105. Intensifiers and Accumulators, 1914
Box 31, Folder 8	106. Core Wire Straighteners and Foundry Appliances, 1914
Box 31, Folder 9	107. Automatic Exhaust Relief and Back Pressure Valves, 1914
Box 31, Folder 10	108. Evaporators and Distillers, 1914
Box 31, Folder 11	112. Sugar House Machinery, 1914
Box 31, Folder 12	113. Pumps with Boilers, Stationary and Portable, 1914
Box 31, Folder 13	114. Pump Details, 1914
Box 31, Folder 14-17; Box 32, Folder 1-6; Box 33, Folder 1-3	Product Photographs, undated
Box 33, Folder 4-5	Blake and Knowles Pumping Machinery Product Catalog, circa 1907
Box 33, Folder 6	Deane of Holyoke Pumps, undated
Box 33, Folder 7	Diesels Produced by Buffalo Works, circa 1928
Box 33, Folder 8	Early Worthington Pumps, undated
Box 33, Folder 9	First Pump in the Washington D.C. Water System, undated
Box 34, Folder 1	Harrison Works Products, 1917
Box 34, Folder 2	Hazelton Works Products, Interiors and Blueprints, 1911
Box 34, Folder 3	Holly Pumping Engine Photographs and Illustrations, undated
Box 34, Folder 4	Ingeco Engines and Plant, undated
Box 34, Folder 5-6	Laidlaw, Dunn, Gordon Works Product Catalog, circa 1907
Box 34, Folder 7	Large Condenser Built for Consolidated Edison, 1931-1932

Box 34, Folder 8	Mounted Compressor Proofs, 1930s
Box 34, Folder 9; Box 35, Folder 1	Power and Mining Works Products, undated
Box 35, Folder 2	Power and Mining Company Products and Cudahy, WI Works, undated
Box 35, Folder 3	Snow Gas Engines, 1935
Box 35, Folder 4	Snow Gas Engines, undated
Box 35, Folder 5	Snow Works Pumps, undated
Box 35, Folder 6	Snow Works Products and Installations, undated
Box 35, Folder 7	Worthington Steam Pumping Engine, 1859
Box 35, Folder 8; Box 36, Folder 1	Worthington Diesel Engines, 1934
Box 36, Folder 2	Moore Steam Turbine Corporation (Wellsville, New York) Products, undated
Box 36, Folder 3; Box 46, Folder 3-5; Box 47, Folder 1	Pump Illustrations, 1862-1937, undated
Box 36, Folder 4-6	Installed Worthington Products, 1911-1951, undated
Box 37, Folder 1-4	Installed Worthington Products, 1911-1951, undated
Box 37, Folder 5	Boston, Massachusetts Pumping House with Worthington Pumping Engines, undated
Box 37, Folder 6	Centrifugal Pumps Installed for the W.P. and M. Corporation in Harrison, N.J., undated
Box 37, Folder 7	Compound Direct-Acting Pumping Engines, 1895
Box 37, Folder 8	Copies of Blueprint Drawings from McNeil Street Pumping Station, Shreveport, Louisiana (Copied by HAER, 1982), undated
Box 37, Folder 9	Duplex Pumping Engine at the Newark, New Jersey Water Works, 1870

Box 37, Folder 10	Duplex Steam Pumps, 1870
Box 37, Folder 11	Figure of Worthington Pump and Addison Variable Exhaust, 1861
Box 37, Folder 12	Gaskill's Compound Pumping Engine, undated
Box 37, Folder 13	First Worthington Piston-Type Meter, circa 1895
Box 37, Folder 14	Hydraulic Turbine Installations, 1921
Box 37, Folder 15	Duplex Pumping Engine Displayed at the Paris Exposition, 1878
Box 37, Folder 16	International Worthington Installations, undated
Box 37, Folder 17	Naval Vessels with Worthington Pumps, circa 1943
Box 37, Folder 18	Paris Exposition Pumps, 1889
Box 37, Folder 19	Pump Etching, undated
Box 37, Folder 20	Vertical Pumping Engine Displayed at the Columbian Exposition, 1893
Box 38, Folder 1-3; Box 46, Folder 1	Employees, 1901-1951, undated Included in this file are several photographs showing that the Worthington Works were racially integrated. The photographs appear to be from the period around the Second World War.
Box 38, Folder 4	Factory Employees, 1945
Box 38, Folder 5	Reprints of Employee Photographs, 1919-1945
Box 38, Folder 6	Student Placement Program Group Photographs, 1922-1964
Box 38, Folder 7	International Trainees, 1945-1946
Box 38, Folder 8	J.F. Grace Photographs, 1922-1925
Box 38, Folder 9	Molten Metal at the Harrison Works, undated
Box 38, Folder 10	Factory Exteriors, 1888-1931, undated
Box 38, Folder 11	Brooklyn Works Exterior, circa 1875

Box 38, Folder 12	Negative Transparency of the Brooklyn Works as it appeared in 1855, undated
Box 38, Folder 13	Brooklyn Works Interior, 1880
Box 38, Folder 14-15	Deane Works of Holyoke, Massachusetts, 1917
Box 39, Folder 1	Construction of Deane Works and Exterior, 1917-1918
Box 39, Folder 2	"Winning the War: Activities of Deane Works" and Pump Photographs, 1917-1920
Box 39, Folder 3	Deane Works During the War Period, 1917-1920
Box 39, Folder 4	Denver Rock Drill and Machinery Company Interior, 1911
Box 39, Folder 5	Epping-Carpenter Works, undated
Box 39, Folder 6	Factory Interiors, undated
Box 39, Folder 7-8	Construction of Commercial Test Stand at Harrison Works, 1951-1952
Box 39, Folder 9	Harrison Works Photographs and Captions, 1917-1918
Box 39, Folder 10	Harrison Works Interior, 1917
Box 40, Folder 1	Harrison Works Annual Report Pictorial Supplement, 1930
Box 40, Folder 2	Harrison Works Plant Interiors, 1931
Box 40, Folder 3	Harrison Works Renovations, 1948
Box 40, Folder 4	Harrison Works Interior and Exteriors, undated
Box 40, Folder 5	Ingeco Works Interior and Exteriors, 1918
Box 40, Folder 6	The Jeanesville Iron Works Company, circa 1911
Box 40, Folder 7	Laidlaw Works of Cincinnati, Ohio, 1919-1920
Box 40, Folder 8	Laidlaw Works Interior Views, undated
Box 41, Folder 1	James Simpson Co. Limited, undated

Box 41, Folder 2	Snow Works of Buffalo Interior, circa 1912
Box 41, Folder 3	Snow Works as it Appeared in 1918, undated
Box 41, Folder 4	Worthington Works Storage Building under Construction, undated
Box 41, Folder 5	Damaged Photographs, circa 1915
Box 45, Folder 6	Henry R. Worthington House, circa 1900
Box 45, Folder 7	Sketch of Henry R. Worthington, undated
Box 45, Folder 8	George Jesse Foran, undated
Box 45, Folder 9	Stock of Completed Products, undated
Box 45, Folder 10	Installed Worthington Products, 1934-1946, undated
Box 45, Folder 11	Illustrations of Feed Water Heater Built for Paris, New York and Chicago, undated
Box 45, Folder 12	Exposition Photographs, 1876-1904
Box 46, Folder 2	Condenser Department Advertisement with Branch Managers, 1905
Box 47, Folder 2	Early Illustrations of the Holly Works, undated
Box 47, Folder 3	Warehouse Schematic Illustrations, undated
Box 47, Folder 4	Brooklyn Works Heavy Machinery Shop, 1893
Box 47, Folder 5	Engineering Record of the Original Henry R. Worthington Hydraulic Works, 1921
Box 47, Folder 6	Pump and Boat Designs by Henry Worthington, 1840-1850
Box 47, Folder 7	Blake Pumps B-2077 - B-3026, circa 1920s
Box 48, Folder 1	Blake Pumps B-3027 - B-3058, circa 1920s
Box 48, Folder 2	Blake Pumps B-3060 - B-3170, circa 1920s
Box 48, Folder 3	Blake Pumps B-3171 - B-3181, circa 1920s

Box 49	Jeanesville Plant Photo Album, 1915
Box 50, Folder 1	Blake Pumps B-3182 - B-3217, circa 1920s
Box 50, Folder 2	Blake Pumps B-3218 - B-3250, circa 1920s
Box 50, Folder 3	Blake Pumps B-3251 - B-3256, circa 1920s
Box 51, Folder 1	Blake Pumps B-3257 - B-3261, circa 1920s
Box 51, Folder 2	Blake Pumps B-3262 - B-3296, circa 1920s
Box 51, Folder 3	Blake Pumps B-3299 - B-3329, circa 1920s
Box 54, Folder 1	Blake Pumps B-3352 - B-3442, circa 1920s
Box 52, Folder 2	Blake Pumps B-3433 - B-3476, circa 1920s
Box 52, Folder 3	Blake Pumps B-3480 - B-3526, circa 1920s
Box 53, Folder 1	Blake Pumps B-3527 - B-3557, circa 1920s
Box 53, Folder 2	Blake Pumps B-3558 - B-3571, circa 1920s
Box 53, Folder 3	Blake Pumps B-3596 - B-8915, circa 1920s
Box 54, Folder 1-3	Unnumbered Blake Engines, circa 1920s

[Return to Table of Contents](#)

Series 5: Sketchbooks and Notebooks, 1882-1964

This series contains sketchbooks and notebooks used by various Worthington employees, including Charles C. Worthington, Henry Worthington's son and successor as company President, and George J. Foran, an employee at the company's Boston offices.

Box 41, Folder 6	Worthington Corporation's Acquisition of Charles C. Worthington's Sketchbooks, 1964
Box 41, Folder 7	Sketchbook, 1882-1891
Box 41, Folder 8	Sketchbook, 1883-1884 Image(s)
Box 42, Folder 1	Sketchbook, 1884-1885 Image(s)
Box 42, Folder 2	Sketchbook, 1885-1889 Image(s)
Box 42, Folder 3	Blake and Knowles Reference Catalog, circa 1895
Box 42, Folder 4	George J. Foran Sketchbook, 1898-1904
Box 42, Folder 5	H.M. Chase's Deane Products Catalog, 1900
Box 43, Folder 1-3	George J. Foran Sketchbook, circa 1906
Box 43, Folder 4	Chart and Table Book, undated
Box 43, Folder 5	George J. Foran Sketchbook, undated
Box 43, Folder 6	George J. Foran Sketchbook of Engine Images, undated

[Return to Table of Contents](#)