



Smithsonian

*National Museum of American History Kenneth E. Behring Center*

## Guide to the Bartlett Hayward Company Records

NMAH.AC.0993

NMAH Staff

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## Collection Overview

<b>Repository:</b>	Archives Center, National Museum of American History
<b>Title:</b>	Bartlett Hayward Company Records
<b>Date:</b>	1902-1921
<b>Identifier:</b>	NMAH.AC.0993
<b>Source:</b>	National Museum of American History (U.S.). Division of Mechanical and Civil Engineering
<b>Creator:</b>	Koppers Company. Bartlett-Hayward Company.
<b>Extent:</b>	6 Cubic feet (20 boxes, 5 map folders)
<b>Language:</b>	English .

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## Administrative Information

### Acquisition Information

Donated by Charles Ferner of the Kopper Company, circa 1977.

### Ownership and Custodial History

Transferred from Division of Work and Industry, 2006.

### Processing Information

Collection is unprocessed.

### Preferred Citation

Archives Center, Bertlett Hayward Company Records, 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](mailto:archivescenter@si.edu) or 202-633-3270.

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## Biographical Note

The Bartlett Hayward Company of Baltimore, Maryland, was founded in 1840 as Hayward and Friend, stove manufacturers. The company eventually expanded into the foundry, machinery, erection, and engineering fields and began manufacture of gas holders in 1876. The company merged with Koppers Company in 1937.

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## Scope and Contents

These records of the Bartlett Hayward Company deal chiefly with the manufacture, erection, and sale of gas holders. Included are record books of drawings, 1882-1906, 1912, 1918; design calculation books; 1904-1935; trade literature, 1945; order books, 1920-1921; order progress reports, 1926-1929, 1946-1950; specifications, calculations and data; notes; shipping records; records of drawing costs; lists of materials needed; a card file listing owner, location, and dimensions of gas holders built by the company, 1883-1946; a record of employee injuries, 1929; and photographs of coupling engines, gas holders and their erection, gas works, and plants.

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## Arrangement

Arrangement: By type of material.

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## Names and Subject Terms

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

### Subjects:

- Engineering -- 19th century
- Foundries
- Gas
- Gasholders
- Stoves

### Types of Materials:

- Correspondence -- 19th century
- Drawings -- 1860-1890
- Tracings
- Trade catalogs

### Names:

- National Museum of American History (U.S.). Division of Mechanical and Civil Engineering

### Places:

- Baltimore (Md.)

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## Container Listing

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Box 1, Folder 2	List of Waterless Holders Built by Bartlett Hayward in the UNited States, Europe and SOuth America, 1920s-1930s
Box 1, Folder 3	Listing on company forms of gas holders built by Bartlett and hayward with drawing number , undated
Box 1, Folder 4	Calculations for St. Petersburg Gas Holoder, undated
Box 1, Folder 5	List of Jobs and Proposals, 1920s-1930s
Box 1, Folder 6	Shipping Instructions with Detailed record of Shipping for Various Jobs, 1910-1913
Box 1, Folder 7	Shipping Instructions with Detailed record of Shipping for Various Jobs, undated
Box 1, Folder 8	Standard Holder Estimates (F.S. 15,000 p.s.), detailed quantities of materials , 1917-1919
Box 2, Folder 1	Standard Forms Listing Drawings for Gas Holders built by Bartlett and Hayward, undated
Box 2, Folder 2	Notes on Holders, Design Information and Correspondence to R.E. Sperry and P.M. Kuehn, 1920s
Box 2, Folder 3	Gas Scrubbers, Notes, Correspondence, and Information for Design , 1930s
Box 2, Folder 4	Gas Holder Specifications , 1920s
Box 2, Folder 5	Details of Journal Roller Bearings designed for Bartlett and Hayward, prepared by Hydraulic Tool Works, Philadelphia, 1924
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Box 3, Folder 1	Work Orders for Koppers Company , 1940
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Box 3, Folder 6	Cross Index of Information on Plants Built , 1920s-1930s
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Box 7	Volume 5, Record Book for Drawings of Gas and Ammonia Plants , 1890-1902
Box 8	Volume 6, Record Book for Drawings of Conveyors, Tanks, Charging and Discharging machines , 1887-1904
Box 8	Volume 7, Record Book for Drawings of Conveyors, Scrubbers and Benches, 1889-1902
Box 8	Volume 8, Record Book for Drawings of Rivitin and Machines, Derricks, Compressor Plants and Clamps, 1895-1904
Box 8	Volume 9, Record Book for Drawings of proposition Drawings for Benches, Condensers, Scrubbers, Roof Trusses, Tanks, Gas Plants, Purifiers, Ammonia APA, 1887-1904
Box 8	Volume 10, Record Book for Drawings of Miscellaneous Drawings, Stand Drawings, Miscellaneous Outside Drawings, 1880-1903
Box 9	Volume 11, Record Book for Drawings of Sugar Apparatus Buildings, Brewery Apparatus Buildings and Roofs for gas Works , 1899-1901

Box 9	Volume 12, Record Book for Drawings of German Drawings, Benches, Ammonia Apparatus, 1899-1913
Box 9	Blueprint Record, Holder Department, No. 1, 1902
Box 9	Record, No. 3, Drawings Filed in Lower Vault , undated
Box 9	Record of Miscellaneous Outside Drawings received, 1906-1910
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Box 9	Index book, Sugar Work , undated
Box 9	Drawing Record, Gas Apparatus Department , 1901
Box 9	Index to Specifications, undated
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Box 10	Record book of Drawings in Shops, Conveyor and Elevator Department , 1904
Box 10	Pattern Book , undated
Box 10	Drawing Record, Apparatus Department , 1908-1910
Box 10	Drawing Record, Apparatus Department , 1904-1907
Box 10	Drawing Record, Apparatus Department , 1910-1912
Box 10	Record Book of Drawings Sent to Outside Parties, Conveyor Department , 1905
Box 10	No. 3, Drawing Record, Holder Department , 1911-1912
Box 10	No. 1, Drawing Record, Holder Department , 1902-1905
Box 10	No. 1, Drawing Record Book, 1891
Box 10	No. 2, Drawing Record Book, Holders and Apparatus , 1895-1899
Box 10	No. 3, Drawing Record, Gas Apparatus and Holder Department, 1900-1903

Box 11	Volume 1, Calculation Book , 1904
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Box 12	Volume 18, Calculation Book , 1921-1923
Box 12	Volume 19, Calculation Book , 1923-1926
Box 12	Volume 20, Calculation Book , 1926
Box 13	Volume 21, Calculation Book, 1929
Box 13	Volume 22, Calculation Book, 1931
Box 13	Volume 223, Calculation Book, 1933
Box 13	Drawing Index, circa June 1918



Box 13	Bartlett Hayward, Pictorial Review of its Industrial Activities, 1945
Box 14	No. 1, List of Drawings, Holders, Bundles and Current Work , 1904
Box 14	Volume 2, Miscellaneous Drawings and Proposals, 1899 Notes: Volume includes information for Benches, Condensers, Ccrubbers, Coal and Water Plants, Outside Drawings, Blowers, Governor's, German Drawings, and Washers.
Box 14	Volume 3, Condensers, Scrubbers, Center Seals, Benches, Ammonia APA, Stand Washers, and Tar Extractors, undated
Box 14	Volume 5, Meter Cases, Plants and Current Work , 1883-1904
Box 14	Volume 7, Proposed Holders, Single Lift, 1889-1902
Box 14	Volume 8, List of Sugar Drawings , 1904-1905
Box 14	Volume 11, Index of drawings, Conveyor Department, 1901-1905
Box 14	Volume 10, Current Work , 1903-1905
Box 15	Order Book, 1920-07-1921-12
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Box 17	Apparatus Department, Volume 3, undated
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Box 18	Drawing Record, Volume 1, 1905-1909
Box 18	Drawing Record, Volume 2, 1909-06-1914
Box 19	Holder Record, Volume 5
Box 19	Holder Record, Volume 6, 1910-1916
Box 19	Apparatus Record, Volume 7, 1907
Box 20	Oversized Materials , undated