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## Charles F. Chandler papers 4078595

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Description is written in: English.

Describing Archives: A Content Standard

### Rare Book and Manuscript Library

Butler Library, 6th Floor  
Columbia University, Mail Code 1127  
535 W. 114th St.  
New York, NY 10027  
Business Number: (212) 854-5153  
Fax Number: (212) 854-1365  
[rbml@libraries.cul.columbia.edu](mailto:rbml@libraries.cul.columbia.edu)  
URL: <http://www.columbia.edu/cu/lweb/indiv/rbml/index.html>

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## Summary Information

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<b>Repository:</b>	Rare Book and Manuscript Library
<b>Creator:</b>	Chandler, Charles Frederick, 1836-1925
<b>Title:</b>	Charles F. Chandler papers
<b>ID:</b>	4078595
<b>ID:</b>	MS#0209
<b>Date [inclusive]:</b>	1847-1937
<b>Date [bulk]:</b>	1864-1925
<b>Physical Description:</b>	135.25 linear feet 241 boxes, 32 record storage cartons, 4 small flat boxes, 1 glass-plate negative box
<b>Language of the Material:</b>	English .
<b>Abstract:</b>	Chemist, Professor, and President of the New York Metropolitan Board of Health. Professor Chandler taught at Union College before joining the faculty of Columbia University where he taught in the Chemical Department, the College of Physicians and Surgeons, and served as one of the founders and long-time Dean of Columbia University's School of Mines. He was interested in Industrial Chemistry and Public Health, serving on the New York Metropolitan Board of Health for many years and implementing a number of significant public health and public housing reforms.

### Preferred Citation

Identification of specific item; Date (if known); Charles F. Chandler papers; Box and Folder; Rare Book and Manuscript Library, Columbia University Library.

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## Biographical / Historical

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Charles Frederick Chandler was an important American chemist and chemical educator. He was deeply involved in issues of chemistry, mining, and public health throughout the last third of the nineteenth and early decades of the twentieth centuries. As a professor at

Columbia University, he revolutionized chemical education in the United States and was a major proponent of practical, scientific education. He was deeply involved in professional organizations and kept scrupulously abreast of scientific advancements, keeping detailed notes and files of clippings and articles about different chemical and scientific matters. He often acted as an expert witness in legal cases dealing with chemical matters and was well respected as an expert in his field.

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## Biographical / Historical

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Chandler was born in Lancaster, Massachusetts on December 6, 1936. His family moved shortly after his birth to New Bedford, Massachusetts, where he spent most of his formative years and engaged in his earliest formal education. As a child he devoted nearly all of his free time to scientific and geological explorations and attending public lectures on scientific subjects. These public lectures at the New Bedford Lyceum, in particular a series of lectures given by the geologist and naturalist Louis Agassiz, sparked his lifelong interest in science. He was particularly interested in mineralogy and collected rock and mineral samples that he found around his grandfather's Lancaster home.

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## Biographical / Historical

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Upon completion of his studies at New Bedford High School, Chandler spent a year in private study, learning Latin and Greek and conducting chemical experiments in a laboratory he set up in his father's attic to prepare himself for more advanced chemical study. He then left his home in New Bedford and enrolled in the Lawrence Scientific School of Harvard University. While at Harvard he studied Industrial Chemistry, but he was encouraged to continue his studies in Industrial Chemistry and Geology in Germany, which was at the forefront of scientific education at the time. He enrolled in the University of Göttingen in 1854 to study with Friedrich Woehler, and after studying under Woehler and working as an assistant in the lab of Heinrich Rose, the father of analytic chemistry, he earned his Ph.D. from the University of Göttingen in 1856.

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## Biographical / Historical

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After completing his degree, Chandler returned to the United States to pursue his own scientific career. Upon his return, in 1857, Chandler became the chemical assistant at Professor Charles Joy's laboratory at Union College in Schenectady, New York and shortly thereafter began to lecture on Mineralogy and Geology at the College as well as manage the laboratory. He became an associate professor at the College in 1857 at the age of 21. He remained at Union College for the next 7 years during which time he ran the chemistry lab and married his first wife, Anna Craig Chandler.

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## Biographical / Historical

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His tenure at Union College ended in 1864 when Chandler was asked by his former colleague, Professor Joy, to consider taking on the Chair of Chemistry at the newly formed Columbia University School of Mines that Professor Thomas Egleston and General Vinton were attempting to start under President Barnard. Chandler took the opportunity to move to New York, and begin his long relationship with Columbia University.

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## Biographical / Historical

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The School of Mines, later to develop into the School of Engineering and Applied Science, consisted at this time of one room in the basement of a Madison Avenue academic building. Within the first year of the School's existence, Chandler took on the position of Dean, and under his leadership in that first year the school moved to a larger four floor building and doubled the number of students enrolled in its program of study. Chandler was to remain dean of the School of Mines for the next 33 years, through its move to its new home on Columbia's Morningside Campus and into Havermeyer Hall, the state-of-the-art Chemistry building that he helped to design.

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## Biographical / Historical

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Though he stepped down as the Dean of the School of Mines in 1897, he continued to teach chemistry at Columbia University until 1910, where students described him as an extremely popular and engaging instructor.

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## Biographical / Historical

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Though Chandler is perhaps most associated with the School of Mines, he also, starting in 1867, began lecturing in Chemistry for the New York College of Pharmacy. He acted as president of this school until 1897 when it formalized its relationship to Columbia University and was incorporated as a University Faculty in 1897. He also lectured in Columbia's College of Physicians and Surgeons in 1872 where he taught chemistry and medical jurisprudence and called for a more rigorous scientific training for medical professionals. In addition to his instructional and administrative duties, Chandler also started a Chemical Museum, later named the Chandler Chemical Museum in his honor, to highlight the accomplishments of modern industrial and analytic chemistry.

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## Biographical / Historical

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While Chandler was a very popular instructor, he was not always so popular among his colleagues. He spent much of his time acting as an expert witness in various legal cases and patent disputes, and performed independent consulting work for companies such as Standard Oil. Many of Chandler's colleagues had concerns that Chandler was more focused on his profitable, outside consulting work than he was on his academic and administrative duties.

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## Biographical / Historical

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Though he was not entirely without controversy, Chandler remained an integral part chemical education at Columbia University until 1911 when he finally, after 46 years of service at Columbia and 54 years of college teaching, retired. Upon retirement he and his second wife, Augusta Berard Chandler, continued to reside in New York City, but spent more and more time at their summer home in Westhampton and at her family's home in New Hartford, Connecticut, where Chandler died in 1825.

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## Biographical / Historical

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While chemical instruction made up much of Charles Chandler's career, he was also an energetic public health advocate and sanitation reformer. His career in public service began in 1866 when the Secretary of the Metropolitan Board of Health asked Chandler to perform some chemical work for the board, *ex officio*. The Board soon realized the value of having a chemist as part of the organization and later that year Chandler was appointed as chemist to the Board of Health. In 1873 Mayor Havermeyer appointed Chandler to the Presidency of the Metropolitan Board of Health, a position he held until 1883.

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## Biographical / Historical

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His work with the New York City Municipal Board of Health led to a number of important sanitary reforms in the city. When he began his services on the Board of Health in 1866, 53 out of every 100 deaths in the city were children under the age of 5. He implemented major reforms to improve infant nutrition, including stopping the sale of watered-down milk, and instituted a corps of traveling physicians to tend to the residents of tenements. By the time he left the Board, the child mortality rate had fallen to 46 out of every 100 deaths, an estimated saving of 8000 lives and 5000 children per annum. He was a strong advocate for tenement reform, designing tenement houses that were cleaner and brighter than those most prevalent in the City, and pushing a "Tenement House Act" through legislature. This is all in addition to the more mundane tasks of testing household goods such as cosmetics, patent medicine, and wallpaper for toxic and potentially harmful additives. The Board of Health, under his leadership is credited with preventing a cholera epidemic in 1883. He, himself, thought his most important work with the Board of Health was his work in reducing fatal kerosene related

accidents through informing the public about the dangers of kerosene with naphtha and gasoline added (making combustible vapors). All in all, Chandler's leadership of the Board of Health marks an important chapter in the history of sanitation in New York.

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## Biographical / Historical

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Chandler was very active in professional and social organizations, belonging to several Chemical Clubs and Organizations. While some of his clubs were purely or primarily social, other such as The Chemists' Club, which Chandler founded, were intended to build professional connections among scientists in New York. He also founded the American Chemical Society, and served twice as its president, first in 1881 and again in 1889, and served as the president of the Society of Chemical Industry. In 1870 he and his brother William Henry Chandler, a Chemistry Professor at Lehigh University, started the journal *The American Chemist*, the first chemical journal in America.

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## Biographical / Historical

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He received a number of honorary degrees, the Gold Medal of the National Institute of Social Sciences, and the prestigious Perkin Medal from the Society of Chemical Industry. After he retired from Columbia University, the alumni of that University set up an endowment for the Chandler lectureship and the Chandler medal in his honor.

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## Scope and Content

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Chemist, Professor, and President of the New York Metropolitan Board of Health. Professor Chandler taught at Union College before joining the faculty of Columbia University where he taught in the Chemical Department, the College of Physicians and Surgeons, and served as one of the founders and long-time Dean of Columbia University's School of Mines. He was interested in Industrial Chemistry and Public Health, serving on the New York Metropolitan Board of Health for many years and implementing a number of significant public health and public housing reforms.



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## Scope and Content

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This collection consists of material related to Charles F. Chandler's long career with Columbia University, as well as other professional activities, personal and household affairs, and his extensive collection of subject files on chemistry and general scientific matters. Within the Charles Frederick Chandler Papers there are letters, photographs, scrapbooks, ledgers, lab analyses, and some publications, including trade publications and price lists.

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## Arrangement

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This collection is arranged in 3 series.

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## Administrative Information

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### Publication Statement

Rare Book and Manuscript Library

Butler Library, 6th Floor  
Columbia University, Mail Code 1127  
535 W. 114th St.  
New York, NY 10027

Business Number: (212) 854-5153

Fax Number: (212) 854-1365

[rbml@libraries.cul.columbia.edu](mailto:rbml@libraries.cul.columbia.edu)

URL: <http://www.columbia.edu/cu/lweb/indiv/rbml/index.html>

### Revision Description

xml document instance created by Carrie Hintz. EAD was imported spring 2019 as part of the ArchivesSpace Phase II migration. 2009-05-20 2019-05-20

### **Restrictions on Access**

This collection is located off-site. You will need to request this material at least three business days in advance to use the collection in the Rare Book and Manuscript Library reading room. This collection has no restrictions.

### **Restrictions on Access**

This collection has no restrictions.

### **Accruals**

Materials may have been added to the collection since this finding aid was prepared. Contact [rbml@columbia.edu](mailto:rbml@columbia.edu) for more information.

### **Immediate Source of Acquisition**

Method of acquisition--Gift; Date of acquisition--1937. Accession number--M-37.

### **Immediate Source of Acquisition**

Source of acquisition--Epstean, Edward. Method of acquisition--Gift; Date of acquisition--1940. Accession number--M-40.

### **Ownership and Custodial History**

The material in the information file was salvaged when Professor Chandler's former home was demolished in 1937. Gift in 1937; gift of Edward Epstean, 1940.

### **Processing Information**

Cataloged Christina Hilton Fenn 04/17/89.

### **Processing Information**

Revised Carrie Hintz 03/17/09.

### **Processing Information**

Papers processed Carrie Hintz 03/2009.

### **Terms Governing Use and Reproduction**

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## Processing Information

Subseries I.4, Photographs, reprocessed by Melissa Cabarcas in spring 2023.

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## Related Materials

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### Related Material- At Columbia

[Central Files Records, 1890-1971](#) Columbia University Archives, Rare Book & Manuscript Library, Columbia University

### Related Material- At Columbia

[Charles Frederick Chandler architectural records and papers collection](#) Avery Architecture and Fine Arts Library, Columbia University

### Related Material- At Columbia

Historical Photograph Collection Columbia University Archives, Rare Book & Manuscript Library, Columbia University

### Related Material- At Columbia

[Charles Frederick Chandler Papers](#) at the Augustus C. Long Health Sciences Library of Columbia University.

## Related Materials

Art Properties, based in Avery Architectural & Fine Arts Library, holds many of Charles F. Chandler's photographic objects from the Chandler Chemical Museum. Their collection contains flat files which are filled with larger and delicate 19th century photographic processes. These include artotypes, albertypes, pinatypes, woodburytypes, and daguerreotypes. In a different section a collection of cameras used for creating daguerreotypes, stereoviews and postage stamp images can also be found.

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## Controlled Access Headings

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- Chemistry -- History -- 19th century
- Chemistry -- Industrial applications
- Chemistry -- Research
- Chemistry -- Study and teaching
- Dye industry -- United States -- History
- Dyes and dyeing
- Photography -- Processing
- Photography -- Research
- Photographic chemistry
- Public health -- New York (State) -- New York
- Account books
- Advertisements
- Aniline Dye
- Arsenic
- black-and-white photographs
- blueprints (reprographic copies)
- Brochures
- Cartes-de-visite (card photographs)
- Charts (graphic documents)
- Cloth
- Cyanotypes
- Deeds
- Dye
- Graphs
- Photographic prints
- Printing plates
- Receipts (financial records)
- Scrapbooks
- Wallpapers
- Chemists
- College teachers
- Chandler, Charles Frederick, 1836-1925
- Chemists' Club (New York, N.Y.)
- Columbia University. College of Pharmacy -- History
- Columbia University. College of Physicians and Surgeons
- Columbia University. Department of Chemistry
- Columbia University -- History
- Columbia University. School of Mines

## Collection Inventory

### Series I: Personal, 1847-1925

#### Scope and Contents

The Personal Series is comprised of material related to Chandler's personal and domestic life, including material relating to the upkeep and management of his home and a number of photographs of Chandler and his associates. Additionally, the series contains his correspondence files relating to matters both personal and professional.

### Subseries I.1: Correspondence, 1857-1925

#### Scope and Contents

Subseries I.1 contains correspondence both sent and received by Charles Chandler. Though this file falls within the series of Chandler's personal papers, this correspondence often relates to his professional life and could have been sent in any of his various capacities as professor, member of the Metropolitan Board of Health, and a member of various professional organizations. The subseries also includes the correspondence of Chandler's second wife, Augusta Chandler and correspondence relating to their wedding.

Title/Description	Instances	
A-Z <u>Physical Description:</u> (20 Folders)	box 1	folder 1 to 20
1860-1925 <u>Physical Description:</u> (4 Folders)	box 1	folder 24 to 27
1860-1925 <u>Physical Description:</u> (7 Folders)	box 2	folder 1 to 7
1870-1924	box 3	folder 1
Personal, 1870-1924	box 3	folder 2 to 3
Chandler, Augusta Mrs., 1904-1928	box 3	folder 4
Christmas Cards, undated	box 3	folder 5
Kimball, 1891-1918	box 3	folder 6
Marriage to Ms. Augusta Polhemus, 1905	box 3	folder 7
Letterbooks, 1857-1891 <u>Physical Description:</u> (3 volumes)	box 4	folder 1 to 3

### Subseries I.2: Biographical Materials, 1847-1925

#### Scope and Contents

This subseries contains a great deal of information related to Chandler's personal life and professional activities including some biographical articles and printed matter about Chandler, the subject files

related to his many professional and social clubs and organizations, as well as school work and early diaries and scrapbooks depicting his younger life and travels. This series also includes the realia and three dimensional material connected with the collection but not part of one of Chandler's specific subject files. The objects in this series range from Chandler's pipe to small chemical apparatus. Also of interest here are some of Mrs. Augusta Chandler's files, notably scrapbooks such as her dinner party or opera-going books which depict the social obligations of a well-to-do woman in New York at the turn of the twentieth century.

Title/Description	Instances	
Artifacts	box 5	
Address Books	box 6	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Biographical Materials	box 6	folder 3
Biographical-- Printed, 1883-1944	box 6	folder 4
Card Plates	box 6	folder 5
Consultant Fees	box 6	folder 6
Clippings-- General	box 7	folder 1 to 6
<u>Physical Description:</u> (6 Folders)		
Clubs and Societies, 1870-1924		
A	box 8	folder 1 to 5
<u>Physical Description:</u> (5 Folders)		
A-I	box 9	folder 1 to 6
<u>Physical Description:</u> (6 Folders)		
K-N	box 10	folder 1 to 6
<u>Physical Description:</u> (6 Folders)		
O-S	box 11	folder 1 to 7
<u>Physical Description:</u> (7 Folders)		
S- W	box 12	folder 1 to 6
<u>Physical Description:</u> (6 Folders)		
Miscellaneous	box 13	folder 1
Payments and Dues	box 13	folder 2 to 3
<u>Physical Description:</u> (2 Folders)		
Course Work		
Harvard		
Class Notes, 1953-1954	box 14	folder 1
Journals and Class Notes, 1953-1954	box 14	folder 2
Secondary School		

Notes and Assignments	box 14	folder 3
University of Göttingen		
1855-1856	box 14	folder 4
Class Notes, 1855-1856 <u>Physical Description:</u> (2 Folders)	box 14	folder 5
Correspondence, 1855-1902	box 14	folder 6
Diaries, 1876-1893 (scattered), 1876-1893	box 15	folder 1
Family History	box 15	folder 2
Notebooks, Undated	box 15	folder 3
Scrapbook, 1847-1855	box 15	folder 4
Trip to Europe, 1869	box 15	folder 5
Will and Legal Documents	box 15	folder 6
Scrapbooks		
1882-1886	box 16	folder 1
Food and Drug Fraud Clippings, 1868-1869	box 16	folder 2
Trip to Europe, 1896	box 16	folder 3
Chandler, Augusta Mrs. Material		
Correspondence with Charles Chandler, 1904 and undated, 1904, undated	box 17	folder 1
Calendar, 1925	box 17	folder 2
Notebooks	box 17	folder 3
Scrapbooks		
General, 1904 and 1914-1915, 1904, 1914-1915 <u>Physical Description:</u> (2 Folders)	box 17	folder 4 to 5
Addresses	box 17	folder 6
Dinner Parties, 1909-1911	box 18	folder 1
Recipes, 1908-1909 and Undated, 1908-1909, Undated <u>Physical Description:</u> (3 Folders)	box 18	folder 2 to 4
Opera, 1908	box 18	folder 5

### Subseries I.3: Financial Records, 1825-1926

#### Scope and Contents

These files provide an intimate glimpse into the Chandler household through detailed information about household accounts, including bills, receipts and correspondence about standing orders and accounts. Additionally, the subseries includes information about many properties either owned or

managed by Charles and Augusta Chandler, many of which were ancestral properties that were willed to the couple. Copies of some of these wills and property deeds are included.

Title/Description	Instances	
Account Books, 1855-1921	box 19	
Account Books, 1855-1921	box 20	
Account Books, 1855-1921	box 21	
Account Books, 1855-1921	box 22	
Account Books, 1855-1921	box 23	
Account Books, 1855-1921	box 24	
Account Books, 1855-1921	box 25	
Household Accounts		
Bills and Receipts, 1902-1920 <u>Physical Description:</u> (2 Folders)	box 26	folder 1 to 2
Correspondence, 1880-1922 <u>Physical Description:</u> (2 Folders)	box 26	folder 3 to 4
Ledgers, Undated	box 26	folder 5
54th St. and Madison Protection Society, 1890-1907	box 26	folder 6
Middle Park Ave. Improvement Association, 1902	box 26	folder 7
Westhampton House, 1880-1891 <u>Physical Description:</u> (2 Folders)	box 27	folder 1 to 2
Westhampton House-- Plans and Drawings	box 27	folder 3
Properties and Estates		
Craig Family Estates		
General, 5 Folders	box 28	folder 1 to 5
Correspondence, 1868-1879 <u>Physical Description:</u> (4 Folders)	box 29	folder 1 to 4
Deeds <u>Physical Description:</u> (2 Folders)	box 29	folder 5 to 6
Legal Documents, 1825-1883 <u>Physical Description:</u> (6 Folders)	box 30	
Berard Estates, 1890-1924 <u>Physical Description:</u> (2 Folders)	box 31	folder 1 to 2
Hudson Estates, 1887-1891	box 31	folder 3
Smith Family Estates, 1913-1926	box 31	folder 4 to 6



Physical Description: (3 Folders)

Miscellaneous, 1864-1925	box 31	folder 7
Ledger	box 31	folder 8
Ledgers and Letterbooks, 1895-1898 and undated, 1895-1898, undated	box 32	

**Subseries I.4: Photographs****Scope and Contents**

Subseries 1.4 contains photographs by Chandler and associates using different photographic processes. These are mostly 19th-century photographic processes that include albumen, cyanotype, collodion, salt print, platinotype, silver gelatin, and some photomechanical processes like collotype, woodburytype, photogravure, and bonnaudtype. The images range from his family, friends, colleagues, students, scholars, various homes, laboratories, artwork, gardens, portraits, and travels. Also included are newspaper/magazine clippings, postcards, stereoviews, cabinet cards, x-rays, cartes-de-visites, a framed photograph, a photo album, one glass plate, letters, and various ephemera.

<b>Title/Description</b>	<b>Instances</b>	
Awards	box 33	folder 1
<b>Scope and Contents</b>		
Shows experimental photography editing processes.		
Family Album	box 33	folder 2
<b>Scope and Contents</b>		
Family photo album in bad shape. Chandler is older in these pictures. Please do not remove items from folder as they are very delicate.		
Family	box 33	folder 3
<b>Scope and Contents</b>		
Albumen cabinet cards with duplicates of same women who might be one of Chandler's wives. The duplicates show photographic experimenting. There are also a group of silver gelatin prints.		
Family	box 33	folder 4
<b>Scope and Contents</b>		
Mixture of albumen cabinet cards, silver gelatin and photomechanical print processes.		
Family Matted	box 33	folder 5

**Scope and Contents**

All matted document sized albumen photographs.

Family Matted	box 278	folder 1
<b>Scope and Contents</b>		
One large matted albumen photograph of first wife, Ann Chandler.		
Houses & Gardens	box 33	folder 6
<b>Scope and Contents</b>		
Several photographic processes. Albumen, collodion and silver gelatin. One image has stamped on back that it was taken from a dry plate.		
Houses & Gardens	box 278	folder 2
<b>Scope and Contents</b>		
One large matted photograph.		
Houses & Gardens	box 34	folder 1
<b>Scope and Contents</b>		
Postcards, photographic dry plates cardboard box cover, collodion prints, silver gelatin prints and one cyanotype.		
Houses & Gardens	box 34	folder 2
<b>Scope and Contents</b>		
Silver gelatin and collodion prints.		
Houses & Gardens	box 34	folder 3
<b>Scope and Contents</b>		
Silver gelatin and collodion prints.		
Houses & Gardens	box 34	folder 4
<b>Scope and Contents</b>		
Photographs of servants. At least 3 different homes. Silver gelatin, collodion and albumen prints. One postcard.		
Duplicates (Houses & Gardens)	box 34	folder 5

**Scope and Contents**

Silver gelatin, collodion prints, and albumen. One small matted photograph.

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Duplicates (Houses & Gardens)	box 34	folder 6
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**Scope and Contents**

Silver gelatin and collodion prints.

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Laboratory and Apparatus	box 35	folder 1
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**Scope and Contents**

Silver gelatin, collodion, and albumen prints. One cabinet card of professor Henry Draper's observatory with a silver glass reflector. Newspaper clipping.

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Machinery	box 35	folder 2
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**Scope and Contents**

Photographs of machinery from factories and or mills. One postcard of a mill. All cabinet cards have writing on the back giving name and function of machinery. Mixed in are silver gelatin and albumen prints.

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Miscellaneous	box 35	folder 3
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**Scope and Contents**

Cabinet card samples with attached paper with space for subject, lens, plate and edited by sections to be filled out by the developer. All have been edited by a said Edwin Gould. Two cabinet cards samples showcasing images taken by a camera that is advertised in the back of the cards, as "Horseman's No. 2 Eclipse Outfit". Also included is a section of a German photography sample book.

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Miscellaneous	box 278	folder 3
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**Scope and Contents**

X-ray photographs of hands.

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Negative	box 35	folder 4
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**Scope and Contents**

Series of negatives. One set of negatives in envelopes is wrapped with a letter from 1940 from the Chandler Chemical Museum giving them over to Columbiana at Low Library. [Negatives being reviewed, May 2023]

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Portraits- Chandler

<b>Scope and Contents</b>	box 35	folder 5
<p>Mixture of portraits of Chandler during his life. Some albumen, collodion and photomechanical processes. One program from a presentation of Chandlers portrait.</p>		
Portraits- Chandler	box 278	folder 4
<b>Scope and Contents</b>		
<p>Professional studio portraits of Chandler in portfolios mixed with lager matted portraits and one Columbia Alumni News magazine from 1910.</p>		
Glass Plate Negative	box Glass Plate CMI box	
Portraits- Chandler	box 35	folder 6
<b>Scope and Contents</b>		
<p>Cabinet cards of different sizes not all of Chandler. Two images are inscribed in the back as his laboratory called "The Cherries" in Westhampton Long Island NY. Some are albumen and others collodion. One postcard.</p>		
Portraits- Chandler	box 36	folder 1
<b>Scope and Contents</b>		
<p>Oval framed photograph possibly of Chandler as a child. Mixture of larger cabinet cards with some gelatin portraits. A group of photomechanical images of Chandler.</p>		
Portraits- Chandler	box 278	folder 5
<b>Scope and Contents</b>		
<p>Two photomechanical portraits of Chandler.</p>		
Portraits- Chandler	box 36	folder 2
<b>Scope and Contents</b>		
<p>Chandler's Portrait form the Society for Chemical Engineering Yearbook, 1919. One image is made from a photomechanical process. The other 6 images are of the same portrait using a photographic process.</p>		
Portraits- Chandler with Colleagues	box 36	folder 3

**Scope and Contents**

Large format cabinet cards, one postcard and a handmade stereoview card. Mixture of photographic processes like albumen, collodion and gelatin. One folder from a company called Powers Photo Engraving Company gives a look into the process of photo-editing. The folder shows how a photographic portrait is manipulated through ink and blocking to create an edited photomechanical engraving.

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Portraits (Chandler Associates)	box 36	folder 4
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**Scope and Contents**

Large format cabinet cards with two officers in uniform. One great example of the photomechanical process called photogravure.

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Portraits (Chandler Associates)	box 278	folder 6
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**Scope and Contents**

Three large photographs backed with canvas and or burlap.

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Portraits (Chandler Associates)	box 36	folder 5
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**Scope and Contents**

Mixture of cabinet cards and one cartes de visite. Different photographic processes including albumen, photogravure and one woodburytype image.

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Portraits (Chandler Associates)	box 36	folder 6
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**Scope and Contents**

Mixture of different photographic processes like photogravure and woodburytype. One photomechanical image is in color. There are some cabinet cards and one postcard.

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Portraits- Carte de Visites	box 36	folder 7
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**Scope and Contents**

One business card and the rest are albumen carte de visites.

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Portraits- Chandler's German Professors and other German Chemists.	box 36	folder 8
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**Scope and Contents**

One albumen cabinet card and the rest are albumen carte de visites.

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Portraits- Female Family and Friends + Unidentified		
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**Scope and Contents**

box 37

folder 1

One woodburytype photo of Queen Victoria, one carte de visite of Ann Chandler, his first wife. A calling card with a colored woodburytype cabinet card of a women. Mix in are other larger cabinet cards and photographs.

Portraits- Female Family and Friends + Unidentified

box 278

folder 7

Portraits- Female Family and Friends + Unidentified

box 37

folder 2

**Scope and Contents**

Two images from glass plates. A couple of cabinet cards and cartes de visite. Three of those cards comes with the Pears Soap logo on the back and create a stereoscopic image. Many images of his first wife Ann Chandler and images of actresses with their names on the back.

Photography Projects/ Experiments

box 37

folder 3

**Scope and Contents**

This folder has photographs which has notes on the images showing things like shutter speed, ISO and aperture.

Professional Organizations

box 37

folder 4

**Scope and Contents**

Mixture of photographic and photomechanical processes. The photographs in this folder were used to create images for pamphlets and or magazines. Those clipped together show how photographic images where made into print.

Professional Organizations

box 278

folder 8

**Scope and Contents**

Photographs from The Society of Chemical Industry 1905. One photomechanical print image from the College of Pharmacy from the City of New York. Large matted albumen print of the Commissioners of the Board of Health in the State of New York.

School of Mines

box 37

folder 5

**Scope and Contents**

Silver gelatin prints taken for the school of mines. Most are larger format cabinet cards. Note from

someone wanting to use the images for an exhibit.  
Some calling cards.

Travels-Art	box 37	folder 6
<b>Scope and Contents</b>		
Mixture of photographs and images from travels of artwork. Interesting and rare photographic process called "The Bonnaudtype" in which color photographs are produced.		
Travels-Art	box 278	folder 9
Travels-England (Henley Regatta)	box 278	folder 10
<b>Scope and Contents</b>		
Oversized silver gelatin photographs.		
Travels-France	box 37	folder 7
<b>Scope and Contents</b>		
One cabinet card mixed with gelatin and or collodion prints.		
Travels-Germany	box 37	folder 8
<b>Scope and Contents</b>		
Collotypes, collodion, albumen and gelatin prints.		
Travels-Italy	box 37	folder 9
<b>Scope and Contents</b>		
Photochrom, gelatin, and collodion photography. One postcard and cabinet card.		
Travels-Italy	box 278	folder 11
<b>Scope and Contents</b>		
Oversized photographs.		
Travels-Morocco	box 37	folder 10
Travels-Spain	box 37	folder 11
<b>Scope and Contents</b>		
Silver gelatin, albumen, collotype, photochrom and one cyanotype print.		
Travels-United States	box 37	folder 12

**Scope and Contents**

Many postcards along with some collotype prints of stereoview images.

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Travels-Unidentified	box 37	folder 13
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**Scope and Contents**

Cyanotypes, one bonnaudtype mixed in with other photographic processes.

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**Series II: Professional, 1864-1937****Scope and Contents**

The professional series contains files related to Chandler's professional life as a scientist and educator, and his role as a public servant on the New York Municipal Board of Health.

**Subseries II.1: Awards and Honors, 1904-1937****Scope and Contents**

This subseries documents professional awards and honors awarded to Chandler, as well as some files related to awards he presented or otherwise helped to administer. Notably, this subseries contains files related to the Perkin medal, which was both received and presented by Chandler on different occasions, and a number of remembrances of Chandler given on the occasion of his retirement from Columbia.

Title/Description	Instances	
Biographical Sketches	box 38	folder 1
Bust, 1910	box 38	folder 2
<b>Scope and Contents</b>		
Material related to the commissioning of a bust of Charles Chandler		
Chandler Centennial		
Correspondence, 1937	box 38	folder 3 to 6
<u>Physical Description:</u> (4 Folders)		
Correspondence, 1937	box 39	folder 1
Clippings and Memorabilia, 1937	box 39	folder 2
Chandler Lecture and Foundation, 1910 and 1924, 1910, 1924	box 39	folder 3
Chandler Medal	box 39	folder 4
Clippings		



	box 39	folder 5
Columbia University Retirement		
Banquets, 1910-1914 <u>Physical Description:</u> (3 Folders)	box 39	folder 6 to 8
Clippings, 1909-1911 <u>Physical Description:</u> (3 Folders)	box 40	folder 1 to 3
Correspondence, 1909-1910 <u>Physical Description:</u> (2 Folders)	box 40	folder 4 to 5
Final Lecture, 1910	box 40	folder 6
Trustees' Statement on Chandler's Retirement, 1911	box 40	folder 7
Gold Medal of the National Institute of Social Sciences, 1921	box 41	folder 1
National Academy of Sciences Biography, 1926	box 41	folder 2
Perkin Medal, 1920	box 41	folder 3
Perkin Medal Presentations, 1906-1924 <u>Physical Description:</u> (2 Folders)	box 41	folder 4 to 5
Portrait Commission, 1904-1910 <u>Physical Description:</u> (2 Folders)	box 41	folder 6 to 7

## Subseries II.2: Academic and Scholarly Activities, 1864-1925

### Scope and Contents

The Academic and Scholarly Activities subseries documents Chandler's teaching and administrative activities, primarily with Columbia University as well as his professional chemical and scientific activities. The Columbia files include correspondence and memos relating to his roles as teacher and administrator in a number of departments and schools, most notably as the dean of the School of Mines. Also represented in this subseries are laboratory analyses that Chandler made or oversaw in his laboratory, and files relating to the founding of *The American Chemist*.

Title/Description	Instances	
<i>The American Chemist</i>		
Correspondence, 1870-1878	box 42	folder 1
Correspondence (letterbook), 1871-1879	box 42	folder 2
Ledger, 1871-1877 <u>Physical Description:</u> (2 volumes)	box 42	folder 3 to 4
Chemical Foundation	box 42	folder 5
Columbia University		
1893-1925	box 42	

Chemical Department		
General	box 43	folder 1
Investigation into Department, 1898-1899 <u>Physical Description:</u> (2 Folders)	box 43	folder 2 to 3
Reports, 1899-1908 (scattered), 1899-1908	box 43	folder 4
College of Pharmacy		
Certificate in Recognition of Service, 1910	box 43	folder 5
Correspondence, 1887-1924	box 43	folder 6
College of Physicians and Surgeons Correspondence	box 43	folder 7
Commencement Addresses- Seth Low, 1895-1902	box 43	folder 8
School of Mines		
Administrative, 1864-1900 <u>Physical Description:</u> (2 Folders)	box 44	folder 1 to 2
Correspondence, 1864-1915	box 44	folder 3
Theses advised by Chandler, 1916-1926	box 44	
Johnson's Encyclopedia Contributions, 1884-1886	box 44	folder 4
Programs of Scientific Education, 1900-1907	box 44	folder 5
Public Lectures, 1872-1885	box 44	folder 6
Union College, 1881, 1918 and undated, 1881, 1918, undated	box 44	folder 7
Lab Analyses	box 45	
Lab Analyses	box 46	
Lab Analyses	box 47	
Lab Analyses	box 48	
Lab Analyses	box 49	

### Subseries II.3: Municipal Board of Health, 1868-1888

#### Scope and Contents

The Municipal Board of Health Subseries includes files related to Chandler's work with the new York Board of Health. Particularly well-represented in this subseries are Chandler's interests in safe and sanitary tenements and slaughterhouses, though the subseries also includes laboratory analyses of health and beauty products and correspondence files.

Title/Description	Instances	
General, 1868-1883	box 50	folder 1
Abattoir Plans	box 50	folder 2

Appointment Certificates, 1873-1884	box 50	folder 3
Chemical Analyses of Health and Beauty Products	box 50	folder 4
Clippings, 1866-1883 <u>Physical Description:</u> (3 Folders)	box 50	folder 5 to 7
Correspondence, 1868-1883 <u>Physical Description:</u> (3 Folders)	box 51	folder 1 to 3
Correspondence- Letterbook, 1882-1884	box 51	folder 4
Lectures, 1878 and undated, 1878, undated <u>Physical Description:</u> (11 Folders)	box 52	folder 1 to 11
Notes <u>Physical Description:</u> (2 Folders)	box 52	folder 12 to 13
Reelection Campaign, 1883 <u>Physical Description:</u> (2 Folders)	box 53	folder 1 to 2
Reports, 1869-1888 <u>Physical Description:</u> (3 Folders)	box 53	folder 3 to 5
Tenement Plans	box 53	folder 6

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### Series III: Subject Files

#### Scope and Contents

The Subject File series is comprised of Chandler's own extensive research files and are arranged alphabetically. Many of these files are directly related to chemical, legal, or public health problems that Chandler actively worked on in his career, but there are also many that reflect his general interests in science and technology, such as the files related to photography and photographic processes. A typical subject file may contain clippings and notes, published articles, advertisements, correspondence, and often legal proceedings or legal precedents. As a general rule these are materials collected but not authored by Chandler, exceptions to this will generally be noted. Many of the subject files also contain physical samples of the materials-- notably but certainly not exclusively in Chandler's large collection of dye samples.

Title/Description	Instances	
Adrenaline		
Correspondence, 1907-1910 <u>Physical Description:</u> (3 Folders)	box 54	folder 1 to 3
Notes and Reprints	box 54	folder 4
Notes and Pamphlets	box 54	folder 5
Legal Documents	box 54	folder 6 to 7

Physical Description: (2 Folders)

Agriculture		
Articles and Clippings <u>Physical Description: (2 Folders)</u>	box 55	folder 1 to 2
Articles	box 56	folder 1
Bibliography	box 56	folder 2
Clippings	box 56	folder 3
Correspondence, 1900-1907	box 56	folder 4
Notes and Lectures <u>Physical Description: (2 Folders)</u>	box 56	folder 5 to 6
Air Ventilation and Heating		
Advertisements <u>Physical Description: (2 Folders)</u>	box 57	folder 1 to 2
Boilers <u>Physical Description: (2 Folders)</u>	box 57	folder 3 to 4
Boiler Case Notes, 1904	box 57	folder 5
Clippings and Notes <u>Physical Description: (3 Folders)</u>	box 58	folder 1 to 3
Correspondence, 1879-1908	box 58	folder 4
Notes and Resources	box 58	folder 5
Clippings and Articles <u>Physical Description: (6 Folders)</u>	box 59	folder 1 to 6
Clippings and Notes <u>Physical Description: (2 Folders)</u>	box 60	folder 1 to 2
Heating Notes <u>Physical Description: (3 Folders)</u>	box 60	folder 3 to 5
Heating Notes	box 61	folder 1
Lectures on Heating-Notes and Resources	box 61	folder 2
Notes for Lecture on Atmosphere and Ventilation <u>Physical Description: (2 Folders)</u>	box 61	folder 3 to 4
Patents	box 61	folder 5
Alcohol		
Advertisements and Price Lists	box 62	folder 1
Clippings and Notes		

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	box 62	folder 2
Clippings and Pamphlets	box 62	folder 3
Correspondence, 1858-1920 <u>Physical Description:</u> (2 Folders)	box 62	folder 4 to 5
Undated Correspondence, Telegrams, and Misc., Undated	box 62	folder 6
CFC Lecture on Beer	box 63	folder 1
CFC vs. Harry Read-Injunction, 1873	box 63	folder 2
Legal Documents	box 63	folder 3
Notes and Clippings <u>Physical Description:</u> (3 Folders)	box 63	folder 4 to 6
Notes and Clippings <u>Physical Description:</u> (4 Folders)	box 64	folder 1 to 4
Pamphlets <u>Physical Description:</u> (4 Folders)	box 65	folder 1 to 4
Pamphlets	box 66	folder 1
Articles and Pamphlets	box 66	folder 2
Reprints	box 66	folder 3
Books and Pamphlets	box 67	folder 1
Pamphlets <u>Physical Description:</u> (2 Folders)	box 67	folder 2 to 3
Patent Specifications	box 67	folder 4
Alkaloids		
Alkalis	box 68	folder 1
Drugs, General		
Articles <u>Physical Description:</u> (3 Folders)	box 68	folder 2 to 4
Chinoline	box 68	folder 5
Clipping and Notes	box 68	folder 6
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 69	folder 1 to 2
Correspondence, 1858-1900	box 69	folder 3
Advertisements	box 69	folder 4
Caffeine-Bromo Caffeine Case, 1881-1892	box 69	folder 5

Cocaine-Coca-Cola Case	box 69	folder 6
Opium		
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 70	folder 1 to 2
Correspondence, 1874-1888	box 70	folder 3
Tea		
Clippings	box 70	folder 4
1883	box 71	folder 1
Tobacco-Kinney Tobacco Case		
Notes, 1889	box 71	folder 2
1889	box 71	folder 3
Clippings	box 71	folder 4
Correspondence, 1889-1891	box 71	folder 5
Alloys	box 71	folder 6
Aluminum		
Advertisements and Price Lists <u>Physical Description:</u> (2 Folders)	box 72	folder 1 to 2
Clippings <u>Physical Description:</u> (3 Folders)	box 72	folder 3 to 5
Clippings and Articles	box 72	folder 6
Clippings <u>Physical Description:</u> (5 Folders)	box 73	folder 1 to 5
Clippings and Articles	box 73	folder 6
Clippings and Articles <u>Physical Description:</u> (5 Folders)	box 74	folder 1 to 5
Clippings	box 74	folder 6
Clippings	box 75	folder 1
Correspondence		
1880-1916 <u>Physical Description:</u> (2 Folders)	box 75	folder 2 to 3
Pittsburgh Reduction Company Case, 1891-1893	box 75	folder 4
Bradley Case-Legal Documents	box 75	folder 5 to 6

<u>Physical Description:</u> (2 Folders)		
Bradley Case- Legal Documents	box 76	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Hall Process		
Charles M. Hall	box 76	folder 3
Patent Cases	box 76	folder 4
Patent Case-Chandler's Notes, 1898	box 76	folder 5-7
<u>Physical Description:</u> (3 Folders)		
1891-1899, undated, 1891-1899, undated	box 77	folder 1 to 4
<u>Physical Description:</u> (4 Folders)		
Patent Specifications	box 77	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Patent Specifications	box 78	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Photographs	box 78	folder 3
Pittsburgh Reduction Company v. The Electric Smelting and Aluminum Company-Legal Documents	box 78	folder 4
Pittsburgh Reduction Company v. Cowles Electric Smelting and Aluminum Company-Legal Documents,, 1891	box 78	folder 5
Pittsburgh Reduction Company Case		
Legal Documents	box 79	folder 1 to 4
<u>Physical Description:</u> (4 Folders)		
Antimony	box 79	folder 5
Arsenic		
In Wallpaper		
Arsenical Wallpaper Samples	box 82	
Correspondence, 1874-1906	box 80	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Clippings and Articles	box 80	folder 3
Notes	box 80	folder 4
In Medicine	box 80	folder 5
Clippings and Articles	box 80	folder 6 to 8
<u>Physical Description:</u> (3 Folders)		
Clippings and Articles		

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<u>Physical Description</u> : (4 Folders)	box 81	folder 1 to 4
Clippings and Articles <u>Physical Description</u> : (2 Folders)	box 83	folder 1 to 2
In Air-Notes	box 83	folder 3
Clippings-Stephen's Murder Case, 1859	box 83	folder 4
Legal Documents	box 83	folder 5
Ash-Leaches	box 83	folder 6
Atomic Weights	box 83	folder 7
Batteries and Electrochemistry		
Advertisements	box 84	folder 1
Articles <u>Physical Description</u> : (4 Folders)	box 84	folder 2 to 5
Articles <u>Physical Description</u> : (3 Folders)	box 85	folder 1 to 3
Clippings and Notes <u>Physical Description</u> : (3 Folders)	box 85	folder 4 to 6
Clippings and Notes <u>Physical Description</u> : (2 Folders)	box 86	folder 1 to 2
Correspondence, 1889-1907	box 86	folder 3
Lectures <u>Physical Description</u> : (2 Folders)	box 86	folder 4 to 5
Lectures- Niagara Falls, 1901-1908 <u>Physical Description</u> : (2 Folders)	box 87	folder 1 to 2
Legal Documents <u>Physical Description</u> : (2 Folders)	box 87	folder 3 to 4
Patents <u>Physical Description</u> : (2 Folders)	box 87	folder 5 to 6
Patents <u>Physical Description</u> : (6 Folders)	box 88	folder 1 to 6
Bromine- Patents	box 88	folder 7
Boron and Borax	box 88	folder 8
Borated Cotton Case, 1889	box 88	folder 9
Butter and Oleomargarine		



Articles and Publications <u>Physical Description:</u> (5 Folders)	box 89	folder 1 to 5
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 89	folder 6 to 7
Chemical Analyses	box 90	folder 1
Correspondence, 1873-1902 <u>Physical Description:</u> (2 Folders)	box 90	folder 2 to 3
Dealers	box 90	folder 4
Legal Cases, 1870-1886	box 90	folder 5
Notes <u>Physical Description:</u> (2 Folders)	box 90	folder 6 to 7
Paraff, Alfred Oleomargarine Fraud, 1877	box 90	folder 8
Patent Specifications, 1874-1878	box 90	folder 9
Photographic Plates	box 90	folder 10
Calcium Carbide (Acetylene)		
Advertisements	box 91	folder 1
Articles <u>Physical Description:</u> (3 Folders)	box 91	folder 2 to 4
Clippings and Notes	box 91	folder 5
Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 92	folder 1 to 3
Correspondence, 1894-1909	box 92	folder 4 to 5
Ethene	box 92	folder 6
Legal Documents	box 93	folder 1
Legal Case Notes, 1902	box 93	folder 2
Patents <u>Physical Description:</u> (2 Folders)	box 93	folder 3 to 4
Photographs	box 93	folder 5
Camphor	box 93	folder 6
Carbon and Carbonation		
American Carbonate Co. Case, 1897	box 94	folder 1
Articles	box 94	folder 2 to 4

<u>Physical Description</u> : (3 Folders)		
Carbon Dioxide-- Patents	box 94	folder 5
Clippings and Notes	box 94	folder 6 to 7
<u>Physical Description</u> : (2 Folders)		
Correspondence, 1860-1900	box 94	folder 8
Cement and Stone		
Advertisements	box 95	folder 1
Articles	box 95	folder 2 to 7
<u>Physical Description</u> : (6 Folders)		
Buddensick's Mortar Case, 1885	box 96	folder 1
Calcium Lecture Notes	box 96	folder 2
Clippings and Notes	box 96	folder 3 to 6
<u>Physical Description</u> : (4 Folders)		
Correspondence, 1860-1903	box 96	folder 7 to 8
<u>Physical Description</u> : (2 Folders)		
Ceramics		
Advertisements	box 97	folder 1 to 2
<u>Physical Description</u> : (2 Folders)		
Article on Hard Porcelain (Draft)	box 97	folder 3
Correspondence, 1870-1917	box 97	folder 4
History of		
Articles	box 97	folder 5 to 6
<u>Physical Description</u> : (2 Folders)		
Articles	box 98	folder 1 to 3
<u>Physical Description</u> : (3 Folders)		
Clippings and Notes	box 98	folder 4 to 5
<u>Physical Description</u> : (2 Folders)		
Clippings and Notes	box 99	folder 1 to 3
<u>Physical Description</u> : (3 Folders)		
Legal Cases-- Terra Cotta Case, Notes, 1894	box 99	folder 4
Legal Documents	box 99	folder 5
Patents	box 99	folder 6
Cheese	box 100	folder 1 to 3

Physical Description: (3 Folders)

Chemical History		
Articles	box 100	folder 4 to 5
Clippings and Notes	box 101	folder 1 to 4
<u>Physical Description: (4 Folders)</u>		
Lectures and Notes	box 101	folder 5
Publications	box 102	
Publications	box 103	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Wohler, Frederick	box 103	folder 3
Chemical Philosophy	box 103	folder 4
Chlorine		
General	box 103	folder 5
Patents	box 103	folder 6
Chloroform		
General	box 104	folder 1
Correspondence, 1886-1887	box 104	folder 2
Legal Cases-- Notes, 1886	box 104	folder 3
Legal Documents	box 104	folder 4 to 5
<u>Physical Description: (2 Folders)</u>		
Legal Documents	box 105	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Notes	box 105	folder 3
Copper		
Articles	box 106	
Articles	box 107	folder 1
Clippings and Notes	box 107	folder 2 to 3
<u>Physical Description: (2 Folders)</u>		
Correspondence, 1867-1911	box 107	folder 4
Corn Syrup		
Correspondence, 1901-1913	box 107	folder 5 to 6
<u>Physical Description: (2 Folders)</u>		
Legal Case Notes, 1919	box 108	folder 1 to 3

Physical Description: (3 Folders)

Legal Documents, 1911	box 108	folder 4
Notes and Clippings	box 108	folder 5
Dyes and Dyeing		
Alizarine		
Articles	box 109	folder 1 to 3
<u>Physical Description:</u> (3 Folders)		
Clippings and Notes	box 109	folder 4 to 5
<u>Physical Description:</u> (2 Folders)		
Clippings and Notes	box 110	folder 1 to 5
<u>Physical Description:</u> (5 Folders)		
Correspondence, 1875-1884	box 110	folder 6
Lecture Notes	box 111	folder 1
Legal Documents		
General	box 111	folder 2
Alizarine Assistant Case, 1868-1869	box 111	folder 3 to 6
<u>Physical Description:</u> (4 Folders)		
Notes	box 112	folder 1
Patents	box 112	folder 2 to 3
<u>Physical Description:</u> (2 Folders)		
Samples	box 113	folder 1
Aniline Dyes		
A2O Dyes	box 113	folder 2
Acid Fuchsia	box 113	folder 3
Aniline Black Case, 1899	box 113	folder 4
Aniline Black Samples, 1910-1911 (Levinstein), 1910-1911	box 113	folder 5
"Aniline Color" Article and Notes	box 113	folder 6
Aniline Red - Clippings and Notes	box 114	folder 1
Aniline Yellow- Legal Case, 1882-1884	box 114	folder 2 to 3
<u>Physical Description:</u> (2 Folders)		
Clippings and Notes	box 114	folder 4 to 5
<u>Physical Description:</u> (2 Folders)		
Clippings and Notes		

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<u>Physical Description</u> : (5 Folders)	box 115	folder 1 to 5
Samples	box 115	folder 6
Articles	box 116	
Articles	box 117	
Benzo-Purpine		
Correspondence, 1889-1896	box 118	folder 1
Legal Documents <u>Physical Description</u> : (5 Folders)	box 118	folder 2 to 6
Legal Documents <u>Physical Description</u> : (2 Folders)	box 119	folder 1 to 2
Notes <u>Physical Description</u> : (3 Folders)	box 119	folder 3 to 5
Calico Printing		
Clippings and Notes <u>Physical Description</u> : (4 Folders)	box 120	folder 1 to 4
Classification Systems <u>Physical Description</u> : (2 Folders)	box 120	folder 5 to 6
Clippings and Notes	box 121	
Clippings and Notes	box 122	
Clippings and Notes	box 123	
Clippings and Notes	box 124	
Clippings and Notes-- Natural Dyes	box 125	
Clippings and Notes-- Natural Dyes <u>Physical Description</u> : (2 Folders)	box 126	folder 1 to 2
Correspondence, 1872-1916 <u>Physical Description</u> : (3 Folders)	box 126	folder 3 to 5
Correspondence, 1872-1916 <u>Physical Description</u> : (2 Folders)	box 127	folder 1 to 2
Dye Industry		
Advertisements and Clippings <u>Physical Description</u> : (5 Folders)	box 127	folder 3 to 7
Indigo		
Articles	box 128	folder 1 to 2

Physical Description: (2 Folders)

Clippings and Notes	box 128	folder 3
Correspondence, 1898-1899	box 128	folder 4
Encyclopedia Article Drafts and Notes	box 128	folder 5 to 7
<u>Physical Description:</u> (3 Folders)		
Lecture Notes	box 129	folder 1
Legal Case Notes	box 129	folder 2
Samples	box 129	folder 3
Lecture Notes		
Anthracen Colors	box 129	folder 4
Coloring Matters	box 129	folder 5
Lichen Dyes	box 129	folder 6
Naphthol	box 129	folder 7
Relation of Color to Composition	box 129	folder 8
Vegetable Dyestuffs	box 129	folder 9
Legal Cases		
Black Dye Cases		
Aniline Black, Notes	box 130	folder 1
Correspondence, 1910-1911	box 130	folder 2
Diamin Black Case, 1893	box 130	folder 3
Notes	box 130	folder 4 to 6
<u>Physical Description:</u> (3 Folders)		
Patent Specifications and Legal Documents	box 130	folder 7
Logwood Case, 1890	box 131	folder 1 to 3
<u>Physical Description:</u> (3 Folders)		
Methylene Blue Case	box 131	folder 4 to 6
<u>Physical Description:</u> (3 Folders)		
Naphthol Black, 1892	box 132	folder 1
Oakes Mordanting Case, 1898	box 132	folder 2
Pellew v. Susquehanna Dye Works	box 132	folder 3 to 4
<u>Physical Description:</u> (2 Folders)		
Legal Documents	box 132	folder 5 to 7

Physical Description: (3 Folders)

Legal Documents	box 133	
Madder		
Clippings and Notes <u>Physical Description: (3 Folders)</u>	box 134	folder 1 to 3
Lecture Notes	box 134	folder 4
Mercerizing		
Articles	box 134	folder 5
Correspondence, 1900-1904	box 135	folder 1
Legal Cases <u>Physical Description: (4 Folders)</u>	box 135	folder 2 to 5
Legal Cases	box 136	
Legal Cases	box 137	
Legal Documents	box 138	folder 1
Case Notes, 1902	box 138	folder 2
Notes <u>Physical Description: (2 Folders)</u>	box 138	folder 3 to 4
Patents <u>Physical Description: (2 Folders)</u>	box 139	folder 1 to 2
Publications	box 139	folder 3
Samples of Mercerized Fabric	box 139	folder 4 to 5
Samples of Mercerized Fabric	box 140	
Mordant	box 141	folder 1
Patents <u>Physical Description: (4 Folders)</u>	box 141	folder 2 to 5
Perkin's Mauve	box 141	folder 6
Phenol Dyes	box 141	folder 7
Saffranin	box 141	folder 8
Samples	box 142	
Samples	box 143	
Electricity		
General	box 144	folder 1
Advertisements	box 144	folder 2

Arc Lamps		
Ads	box 144	folder 3
Clippings and Notes <u>Physical Description:</u> (4 Folders)	box 144	folder 4 to 7
Articles	box 145	
Atmospheric Electricity	box 146	folder 1
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 146	folder 2 to 3
Correspondence, 1875-1909 <u>Physical Description:</u> (2 Folders)	box 146	folder 4 to 5
Dynamical Electricity <u>Physical Description:</u> (4 Folders)	box 147	folder 1 to 4
Electrical Lighting		
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 147	folder 5 to 6
Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 148	folder 1 to 3
Lecture Notes	box 148	folder 4
Electrical Machines-- Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 148	folder 5 to 6
Electrical Measurements	box 149	folder 1
Electrolytic Apparatus Patents <u>Physical Description:</u> (2 Folders)	box 149	folder 2 to 3
Lamps <u>Physical Description:</u> (2 Folders)	box 149	folder 4 to 5
Legal Case Notes	box 149	folder 6
Legal Case Notes <u>Physical Description:</u> (2 Folders)	box 150	folder 1 to 2
Legal Documents <u>Physical Description:</u> (2 Folders)	box 150	folder 3 to 4
Legal Documents	box 151	
Legal Documents <u>Physical Description:</u> (2 Folders)	box 152	folder 1 to 2
Medical Uses of Electricity	box 152	folder 3 to 4



Physical Description: (2 Folders)

Patents	box 152	folder 5
Lecture Notes of Lecture Notes	box 153	folder 1
Notes	box 153	folder 2
Popular Lecture on Electricity	box 153	folder 3
Statical Electricity	box 153	folder 4 to 5
<u>Physical Description: (2 Folders)</u>		
Elevated Railroad		
General, 1884-1911	box 154	folder 1
Blueprints and Photographs	box 154	folder 2
Case Notes, 1884	box 154	folder 3
Legal Documents, 1884	box 154	folder 4
Explosives		
Advertisements	box 155	folder 1
Analyses	box 155	folder 2
Articles and Publications	box 155	folder 3 to 7
<u>Physical Description: (5 Folders)</u>		
Brooklyn Institute Explosives, 1916-1918	box 156	folder 1
Clippings and Notes	box 156	folder 2 to 5
<u>Physical Description: (4 Folders)</u>		
Correspondence, 1869-1915	box 156	folder 6
Dynamite- Notes	box 157	folder 1
Gunpowder- <a href="#">Glued to Wax Paper</a>		
<u>Separated Materials:</u>		
<b>Separated Materials</b>		
Item removed from collection- please refer to digital image.		
Gunpowder- <a href="#">Packets of Gunpowder Samples</a>		
<u>Separated Materials:</u>		
<b>Separated Materials</b>		
Item removed from collection- please refer to digital image		
Notebooks, 1880	box 157	folder 2
Oleum Drum Case, 1916-1917	box 157	folder 3 to 4

<u>Physical Description</u> : (2 Folders)		
Patents	box 157	folder 5
Smokeless Powder Article	box 157	folder 6
Fertilizer		
Articles	box 158	folder 1 to 2
<u>Physical Description</u> : (2 Folders)		
Advertisements	box 158	folder 3 to 4
<u>Physical Description</u> : (2 Folders)		
Clippings and Notes	box 158	folder 5 to 6
<u>Physical Description</u> : (2 Folders)		
Correspondence, 1866-1897	box 159	folder 1 to 2
<u>Physical Description</u> : (2 Folders)		
Legal Documents	box 159	folder 3 to 4
<u>Physical Description</u> : (2 Folders)		
Fire		
Advertisements	box 160	folder 1
Articles	box 160	folder 2 to 5
<u>Physical Description</u> : (4 Folders)		
Clippings and Notes	box 161	
Combustion Lecture	box 162	folder 1 to 2
<u>Physical Description</u> : (2 Folders)		
Correspondence, 1872-1908	box 162	folder 3
Fireproofing Case, 1906	box 162	folder 4
Fireproofing Patents	box 162	folder 5
Food		
Advertisements	box 163	folder 1
Articles and Publications	box 163	folder 2 to 6
<u>Physical Description</u> : (5 Folders)		
Articles and Publications	box 164	folder 1 to 3
<u>Physical Description</u> : (3 Folders)		
Notes	box 164	folder 4
Adulteration		
Clippings and Notes	box 164	folder 5
Correspondence		

	box 164	folder 6
Articles, General	box 165	folder 1
House of Commons Report on Food Adulteration, 1856	box 165	folder 2
Board of Health Correspondence, 1868-1869	box 165	folder 3
Board of Health Analyses and Report, 1868-1883	box 165	folder 4
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 165	folder 5 to 6
Baking Powder	box 165	
General	box 166	folder 1
Baking Powder Adulteration, 1878-1889 <u>Physical Description:</u> (2 Folders)	box 166	folder 2 to 3
Horsford Case, 1870s <u>Physical Description:</u> (4 Folders)	box 166	folder 4 to 7
Horsford Case, 1870s <u>Physical Description:</u> (2 Folders)	box 167	folder 1 to 2
Baking Soda	box 167	folder 3
Cereals-- American Middlings Purifier Co. Case, 1899	box 167	folder 4
Meat Juice		
Clippings and Notes	box 167	folder 5
Legal Documents	box 167	folder 6
Swine Commission, 1884	box 167	folder 7
Furnaces		
General	box 168	folder 1
Doherty Case, 1905	box 168	folder 2
Gas		
Articles <u>Physical Description:</u> (3 Folders)	box 168	folder 3 to 5
Articles <u>Physical Description:</u> (2 Folders)	box 169	folder 1 to 2
Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 169	folder 3 to 5
Clippings and Notes	box 170	folder 1 to 4

<u>Physical Description:</u> (4 Folders)		
Coal Gas	box 170	folder 5 to 7
<u>Physical Description:</u> (3 Folders)		
Coal Gas	box 171	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Correspondence, 1865-1910	box 171	folder 3 to 5
<u>Physical Description:</u> (3 Folders)		
Fittings, Burners, and Meters	box 172	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Government Documents	box 172	folder 3 to 4
<u>Physical Description:</u> (2 Folders)		
Legal Documents	box 172	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Lighting		
Clippings and Notes	box 173	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Lectures, 1870-1875	box 173	folder 3
Manuscript on Gas Lighting	box 173	folder 4
Notes	box 173	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Notes	box 174	folder 1 to 2
<u>Physical Description:</u> (2 Folders)		
Patent Specifications	box 174	folder 3
Welsbach Mantle Case		
Advertisements	box 174	folder 4
Clippings and Notes	box 174	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Clippings and Notes	box 175	folder 1 to 4
<u>Physical Description:</u> (4 Folders)		
Correspondence, 1888-1908	box 175	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Legal Documents	box 176	
Legal Documents	box 177	
Geology, Mining, and Metallurgy		

American Bureau of Mines Reports and Notes, 1866	box 178	folder 1
Articles and Publications <u>Physical Description:</u> (4 Folders)	box 178	folder 2 to 5
Articles and Publications <u>Physical Description:</u> (2 Folders)	box 179	folder 1 to 2
Articles- by J.Kemp	box 179	folder 3
Clippings and Notes	box 179	folder 4
Correspondence, 1862-1900	box 179	folder 5
Lecture Notes <u>Physical Description:</u> (2 Folders)	box 179	folder 6 to 7
Legal Cases	box 180	folder 1
Case Notes, 1911	box 180	folder 2
Ajax Metal Case, 1903-1907 <u>Physical Description:</u> (2 Folders)	box 180	folder 3 to 4
Maps	box 180	folder 5
Glass		
Advertisements	box 180	folder 6
Articles	box 180	folder 7
Articles	box 181	folder 1
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 181	folder 2 to 3
Correspondence, 1901	box 181	folder 4
Wire Glass	box 181	folder 5
Glucose		
Articles <u>Physical Description:</u> (2 Folders)	box 181	folder 6 to 7
Clippings and Notes	box 181	folder 8
Clippings and Notes	box 182	
Correspondence, 1872-1890 <u>Physical Description:</u> (3 Folders)	box 183	folder 1 to 3
National Academy of Sciences Report		
Clippings and Notes	box 183	folder 4
Correspondence, 1881-1884	box 183	folder 5 to 6

<u>Physical Description:</u> (2 Folders)		
Drafts	box 184	folder 1 to 5
<u>Physical Description:</u> (5 Folders)		
Report, 1883	box 184	folder 6
Report, 1884	box 184	folder 7
Patents	box 185	folder 1
Glycerine	box 185	folder 2
Gold and Silver		
Articles	box 185	folder 3 to 6
<u>Physical Description:</u> (4 Folders)		
Articles	box 186	
Articles	box 187	folder 1 to 3
<u>Physical Description:</u> (3 Folders)		
Clippings and Notes	box 187	folder 4 to 5
<u>Physical Description:</u> (2 Folders)		
Clippings and Notes	box 188	folder 1
Correspondence, 1867-1892	box 188	folder 2
Halogens	box 188	folder 3
Hydrogen	box 188	folder 4
Hydrometer		
Articles and Publications	box 188	folder 5 to 6
<u>Physical Description:</u> (2 Folders)		
Articles	box 189	folder 1
Chandler article on Baume Hydrometer, 1881	box 189	folder 2
Clippings and Notes	box 189	folder 3 to 7
<u>Physical Description:</u> (5 Folders)		
Correspondence, 1881-1896	box 189	folder 8
Ice		
Advertisements	box 190	folder 1
Articles	box 190	folder 2
Clippings and Notes	box 190	folder 3
Correspondence, 1872-1889	box 190	folder 4
Legal Documents	box 190	folder 5 to 6

<u>Physical Description: (2 Folders)</u>		
J. Eastman Refrigeration Case, 1881-1888	box 190	folder 7
Patents	box 190	folder 8
Patents	box 191	folder 1
Industrial Chemistry		
General	box 191	folder 2
Patents	box 191	folder 3
Ink		
Correspondence, 1873-1905	box 191	folder 4
Declaration of Independence Restoration, 1875-1880	box 191	folder 5
Forged Check Case Notes	box 191	folder 6
Ionone	box 191	folder 7
Iron and Steel		
Analyses	box 191	folder 9
Articles	box 191	folder 10
Articles	box 192	folder 1 to 5
<u>Physical Description: (5 Folders)</u>		
Chandler's Report for Bath iron Mining and Manufacturing Co., 1866	box 192	folder 6
Clippings and Notes	box 193	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Correspondence, 1868-1924	box 193	folder 3 to 4
<u>Physical Description: (2 Folders)</u>		
Legal Case Notes	box 193	folder 5 to 6
<u>Physical Description: (2 Folders)</u>		
Legal Case Notes	box 194	folder 1
Legal Documents	box 194	folder 2 to 3
<u>Physical Description: (4 Folders)</u>		
Jute	box 194	folder 4
Ketone	box 194	folder 5
Lead and Lead Paint		
Advertisements	box 194	folder 6
Clippings and Notes	box 194	folder 7

Clippings and Notes <u>Physical Description:</u> (5 Folders)	box 195	folder 1 to 5
Correspondence, 1860-1888 <u>Physical Description:</u> (2 Folders)	box 195	folder 6 to 7
Light and Optics		
Clippings and Notes	box 196	
Clippings and Notes	box 197	folder 1
Optical Instruments, 1883-1893 <u>Physical Description:</u> (4 Folders)	box 197	folder 2 to 5
Microscopy Articles and Pamphlets	box 197	folder 6
Microscopy Articles and Pamphlets <u>Physical Description:</u> (2 Folders)	box 198	folder 1 to 2
Magnetism	box 198	folder 3
Manganese <u>Physical Description:</u> (2 Folders)	box 198	folder 4 to 6
Manganese	box 199	folder 1
Medicine and Pharmacology		
Advertisements and Price Lists	box 199	folder 2
Articles <u>Physical Description:</u> (2 Folders)	box 199	folder 3 to 4
Chandler Lecture "What Chemistry had Done for Pharmacy", 1911	box 199	folder 5
Correspondence, 1875-1907	box 199	folder 6
Clippings and Notes	box 199	folder 7
Legal Cases		
Aristol	box 200	folder 1
Veronal Case, 1909 <u>Physical Description:</u> (2 Folders)	box 200	folder 2 to 3
Mercury <u>Physical Description:</u> (2 Folders)	box 200	folder 4 to 5
Meteorites		
Articles and Publications <u>Physical Description:</u> (4 Folders)	box 201	folder 1 to 4
Articles and Publications	box 202	folder 1



Chandler's Meteorite Collection- Notes and Description	box 202	folder 2
Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 202	folder 3 to 5
Correspondence, 1881-1892	box 202	folder 6
Lecture Notes	box 202	folder 7
Microbiology		
Advertisements	box 202	folder 8
Articles and Publications <u>Physical Description:</u> (4 Folders)	box 203	folder 1 to 4
Chandler Lecture on Germ Theory of Disease, 1874	box 203	folder 5
Chandler Article on Fermentation	box 203	folder 6
Clippings and Notes	box 203	folder 7
Clippings and Notes <u>Physical Description:</u> (4 Folders)	box 204	folder 1 to 4
Correspondence, 1860-1889	box 204	folder 5
Mortar	box 204	folder 6
Milk		
Adulteration		
Chandler's Article for Johnson's Encyclopedia	box 205	folder 1
Clippings and Notes	box 205	folder 2
Advertisements	box 205	folder 3
Articles and Publications <u>Physical Description:</u> (3 Folders)	box 205	folder 4 to 6
Articles and Publications	box 206	
Articles and Publications <u>Physical Description:</u> (2 Folders)	box 207	folder 1 to 2
Bibliography and Notes <u>Physical Description:</u> (2 Folders)	box 207	folder 3 to 4
Chemical Analyses		
Articles and Publications	box 207	folder 5
Articles and Publications <u>Physical Description:</u> (2 Folders)	box 208	folder 1 to 2
Clippings and Notes	box 208	folder 3 to 5

Physical Description: (3 Folders)

Clippings and Notes	box 209	
Clippings and Notes	box 210	
Clippings and Notes	box 211	folder 1
Condensed Milk, 1868-1899	box 211	folder 2 to 3
<u>Physical Description: (2 Folders)</u>		
Correspondence, 1869-1897	box 211	folder 4 to 5
Lactometer	box 212	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Legal Cases		
Clippings	box 212	folder 3
Daniel Schrupf Case, 1876	box 212	folder 4 to 6
<u>Physical Description: (3 Folders)</u>		
Miscellaneous Legal Documents, 1876-1883	box 213	folder 1
Legislation	box 213	folder 2
Pictures and Plates	box 213	folder 3
Pricing and Trade	box 213	folder 4
Printing Blocks (Images used for <i>The American Chemist</i> )	box 213	folder 5
"Report on Milk" Manuscript, 1883	box 213	folder 6
Mineral Waters		
Advertisements	box 214	
Advertisements	box 215	
Articles and Publications	box 216	
Clippings and Notes	box 217	
Clippings and Notes	box 218	folder 1 to 4
<u>Physical Description: (4 Folders)</u>		
Correspondence, 1863-1911	box 218	folder 5 to 6
<u>Physical Description: (2 Folders)</u>		
Correspondence, 1863-1911	box 219	
Lecture Notes	box 220	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Legal Cases		
New York Carbonic Acid Gas Case, 1910	box 220	folder 3 to 4

<u>Physical Description</u> : (2 Folders)		
Saratoga Springs Case, 1909	box 221	folder 1 to 4
<u>Physical Description</u> : (4 Folders)		
Saratoga Star Spring	box 221	folder 5
Mineralogy		
Articles and Publications	box 222	folder 1 to 3
<u>Physical Description</u> : (3 Folders)		
Clippings and Notes (Clippings and Notes)	box 222	folder 4 to 5
Correspondence, 1872-1880	box 223	folder 1
Crystallography	box 223	folder 2 to 3
<u>Physical Description</u> : (2 Folders)		
Lecture Notes	box 223	folder 4
Notes	box 223	folder 5
Nabisco		
Advertisements and Promotional Material	box 224	folder 1
Correspondence, 1902-1919	box 224	folder 2
Earl Babst	box 224	folder 3
Legal Cases		
Confectionary Cases, 1905	box 224	folder 4 to 5
<u>Physical Description</u> : (2 Folders)		
Uniform Weight Legislation	box 224	folder 6
Legal Documents	box 225	folder 1 to 5
<u>Physical Description</u> : (5 Folders)		
Notes	box 225	folder 6 to 7
<u>Physical Description</u> : (2 Folders)		
Naval Observatory		
Correspondence	box 226	folder 1
Clippings and Notes	box 226	folder 2
Government Documents and Reports, 1899-1902	box 226	folder 3 to 5
<u>Physical Description</u> : (3 Folders)		
Memoranda	box 226	folder 6
Board of Visitors Appointment (signed by T. Roosevelt)	box 227	
Nickel		

Articles and Publications	box 228	folder 1
Clippings and Notes	box 228	folder 2 to 3
Correspondence, 1866-1910	box 228	folder 4
Nitrogen and Nitrogen Compounds		
General	box 229	folder 1
Ammonia <u>Physical Description:</u> (3 Folders)	box 229	folder 2 to 4
Clippings and Notes <u>Physical Description:</u> (4 Folders)	box 229	folder 5 to 8
Cyanides <u>Physical Description:</u> (3 Folders)	box 229	folder 9 to 11
Nitrogen Products Co. Correspondence, 1912-1916	box 229	folder 12
Oil		
General, 1871-1902	box 229	folder 13
Correspondence, 1900-1916	box 229	folder 14
Hydrogenated Oils		
Bibliography	box 229	folder 15
Clippings and Notes	box 229	folder 16
Legal Cases		
Artificial Camphor Oil Case, 1906	box 229	folder 17
Artificial Camphor Oil Case, 1906 <u>Physical Description:</u> (2 Folders)	box 230	folder 1 to 2
Pine Oil Case, 1911	box 230	folder 3
Rosin Oils	box 230	folder 4
Shellac Cases, 1872-1884 <u>Physical Description:</u> (2 Folders)	box 230	folder 5 to 6
Southern Oil Company Cotton Seed Oil Case, 1914 <u>Physical Description:</u> (3 Folders)	box 230	folder 7 to 9
Omnalit, 1904	box 230	folder 10
Organic Chemistry		
Lecture Notes	box 230	folder 11
Oxygen		
Articles and Publications		

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<u>Physical Description</u> : (2 Folders)	box 230	folder 12 to 13
Clippings and Notes	box 230	folder 14
Clippings and Notes	box 231	folder 1
Correspondence, 1889-1920	box 231	folder 2
Patents	box 231	folder 3
Ozone	box 231	folder 4
Paint		
Advertisements	box 231	folder 5
Correspondence, 1870-1880	box 231	folder 6 to 7
<u>Physical Description</u> : (2 Folders)		
Legal Documents	box 231	folder 8 to 13
<u>Physical Description</u> : (6 Folders)		
Notes and Analyses	box 231	folder 14
Paper		
Advertisements	box 231	folder 15 to 16
<u>Physical Description</u> : (2 Folders)		
Articles and Publications	box 231	folder 17 to 18
<u>Physical Description</u> : (2 Folders)		
Clippings and Notes	box 231	folder 19
Clippings and Notes	box 232	folder 1 to 3
<u>Physical Description</u> : (3 Folders)		
Correspondence, 1870-1921	box 232	folder 4
Legal Documents		
General	box 232	folder 5 to 6
<u>Physical Description</u> : (2 Folders)		
Collar Case, 1871-1872	box 232	folder 7
Paper Case, 1899	box 232	folder 8
Waterproofing Patents	box 232	folder 9
National Academy of Sciences Committee on Waterproofing Paper, 1875-1876	box 232	folder 10
Perfume		
Artificial Musk, 1898-1903	box 232	folder 11 to 14

<u>Physical Description</u> : (4 Folders)		
Ionone (Rose Scent)	box 232	folder 15 to 16
<u>Physical Description</u> : (2 Folders)		
Petroleum		
Articles and Publications	box 233	folder 1 to 4
<u>Physical Description</u> : (4 Folders)		
Chandler Article- Notes and Drafts	box 233	folder 5
Asphalt, 1912	box 233	folder 6
Clippings and Notes	box 233	folder 7 to 8
<u>Physical Description</u> : (2 Folders)		
Correspondence, 1872-1915	box 233	folder 9
Pavement Case, 1914	box 233	folder 10
Phenacetin		
Clippings and Notes	box 233	folder 11
Correspondence, 1899-1906	box 233	folder 12
Legal Documents	box 233	folder 13 to 15
<u>Physical Description</u> : (3 Folders)		
Legal Documents	box 234	folder 1 to 4
<u>Physical Description</u> : (4 Folders)		
Notes	box 234	folder 5
Phosphorus		
Articles and Publications	box 234	folder 6
Clippings and Notes	box 234	folder 7 to 9
<u>Physical Description</u> : (3 Folders)		
Correspondence, 1871-1878	box 234	folder 10
Photography		
Advertisements	box 234	folder 11
ANSCO Case, 1901-1914	box 234	folder 12
Camera-C.P. Stirn Concealed Vest Camera	box 277	
Celluloid Film		
Correspondence, 1876-1914	box 234	folder 13
Notes	box 234	folder 14
Notes	box 235	folder 1

Notes and Experiments <u>Physical Description:</u> (2 Folders)	box 235	folder 2 to 3
Legal Cases		
Case Notes <u>Physical Description:</u> (2 Folders)	box 235	folder 4 to 5
Case Notes <u>Physical Description:</u> (3 Folders)	box 236	folder 1 to 3
Legal Documents <u>Physical Description:</u> (2 Folders)	box 236	folder 4 to 5
Legal Documents	box 237	
Patents <u>Physical Description:</u> (4 Folders)	box 238	folder 1 to 4
Chandler Article on Photography- Drafts and Notes	box 238	folder 5
Clippings	box 238	folder 6
Clippings	box 239	
Clippings <u>Physical Description:</u> (2 Folders)	box 240	folder 1 to 2
Albertypes	box 240	folder 3
Applications Collotypes	box 240	folder 4
Daguerreotypes	box 240	folder 5
Photographic Processes <u>Physical Description:</u> (2 Folders)	box 240	folder 6 to 7
Photographic Processes	box 241	folder 1
Woodburytype	box 241	folder 2
Correspondence, 1878-1896 <u>Physical Description:</u> (2 Folders)	box 241	folder 3 to 4
Essays and Lectures	box 241	folder 5
Legal Documents	box 241	folder 6
New York Camera Club, 1890	box 242	folder 1
Notes	box 242	folder 2
Notes on Techniques	box 242	folder 3
Pamphlets	box 242	folder 4 to 5

<u>Physical Description: (2 Folders)</u>		
Patents	box 242	folder 6 to 7
<u>Physical Description: (2 Folders)</u>		
Prints and Advertisements	box 243	folder 1
Techniques	box 243	folder 2 to 3
<u>Physical Description: (2 Folders)</u>		
Physics		
General	box 243	folder 4
Advertisements	box 243	folder 5
Air Pumps	box 243	folder 6
Articles and Publications	box 243	folder 7 to 8
<u>Physical Description: (2 Folders)</u>		
Clippings and Notes	box 244	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Lecture Notes	box 244	folder 3 to 6
<u>Physical Description: (4 Folders)</u>		
Meteorology	box 244	folder 7
National Standardizing Bureau, 1876-1900	box 244	folder 8
Radium and Radioactivity	box 244	folder 9
Sound and Acoustics	box 244	folder 10 to 12
<u>Physical Description: (3 Folders)</u>		
Weights and Measures	box 244	folder 13
Platinum, 1890-1893	box 244	folder 14
Plumbing and Drainage		
Advertisements	box 244	folder 15 to 17
<u>Physical Description: (3 Folders)</u>		
Advertisements	box 245	folder 1 to 2
<u>Physical Description: (2 Folders)</u>		
Articles and Publications	box 245	folder 3
Board of Health Plumbing Laws, 1881-1883	box 245	folder 4 to 8
<u>Physical Description: (5 Folders)</u>		
Clippings and Notes	box 245	folder 9 to 11
<u>Physical Description: (3 Folders)</u>		
Correspondence, 1874-1921		



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<u>Physical Description</u> : (2 Folders)	box 245	folder 12 to 13
Correspondence, 1874-1921	box 246	folder 1
Potassium		
Articles and Publications <u>Physical Description</u> : (3 Folders)	box 246	folder 2 to 4
Clippings and Notes <u>Physical Description</u> : (3 Folders)	box 246	folder 5 to 7
Rare Gases	box 246	folder 8
Roofing and Shingles		
Advertisements	box 246	folder 9
Correspondence, 1905-1916	box 246	folder 10
Legal Documents <u>Physical Description</u> : (5 Folders)	box 246	folder 11 to 15
Legal Documents	box 247	folder 1
Notes	box 247	folder 2
Patents <u>Physical Description</u> : (2 Folders)	box 247	folder 3 to 4
Roofing Case Notes, 1908-1910 <u>Physical Description</u> : (3 Folders)	box 247	folder 5 to 7
Roof Shingle Samples	box 277	
Stone Shingle Case, 1915-1916	box 247	folder 8
Rubber		
Articles and Publications	box 247	folder 9
Chandler Manuscript on Caoutchouc	box 247	folder 10
Clippings and Notes <u>Physical Description</u> : (3 Folders)	box 247	folder 11 to 13
Correspondence, 1865-1900	box 247	folder 14
Legal Documents <u>Physical Description</u> : (2 Folders)	box 247	folder 15 to 16
Legal Documents <u>Physical Description</u> : (3 Folders)	box 248	folder 1 to 3
Adhesives Case, 1896-1897	box 248	folder 4
Austin Day Case, 1870-1882		

<u>Physical Description</u> : (2 Folders)	box 248	folder 5 to 6
Chewing Gum Case, 1915	box 248	folder 7
Resin Filler Case, 1913	box 248	folder 8
Waterproof Hose Case, 1873-1877	box 248	folder 9
Waste Case		
Articles and Publications	box 248	folder 10
Correspondence, 1891-1892	box 248	folder 11
Legal Documents	box 249	folder 1 to 4
<u>Physical Description</u> : (4 Folders)		
Notes	box 249	folder 5 to 6
<u>Physical Description</u> : (2 Folders)		
Patent Specifications	box 249	folder 7
Salt		
Articles and Publications	box 249	folder 8 to 12
<u>Physical Description</u> : (5 Folders)		
Articles and Publications	box 250	folder 1 to 5
<u>Physical Description</u> : (5 Folders)		
Clippings and Notes	box 250	folder 6
Correspondence, 1876-1886	box 250	folder 7
Sewage		
General	box 250	folder 8
Advertisements	box 250	folder 9 to 11
<u>Physical Description</u> : (3 Folders)		
Articles and Publications	box 250	folder 12 to 14
<u>Physical Description</u> : (3 Folders)		
Articles and Publications	box 251	folder 1 to 8
<u>Physical Description</u> : (8 Folders)		
Clippings and Notes	box 251	folder 9 to 13
<u>Physical Description</u> : (5 Folders)		
Correspondence, 1832-1903	box 251	folder 14
New York Infant Asylum, 1896-1897	box 252	folder 1
Silver Springs Case, 1881	box 252	folder 2 to 3

<u>Physical Description</u> : (2 Folders)		
Shaplegh Cut Out Notes, 1893	box 252	folder 4
Silicon		
Clippings and Notes	box 252	folder 5 to 6
<u>Physical Description</u> : (2 Folders)		
Lecture Notes	box 252	folder 7
Correspondence, 1882-1908	box 252	folder 8
Soap		
Clippings and Notes	box 252	folder 9
Correspondence, 1881-1897	box 252	folder 10
Legal Cases		
Case Notes, 1889-1890	box 252	folder 11
Legal Documents	box 252	folder 12 to 16
<u>Physical Description</u> : (5 Folders)		
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<u>Physical Description</u> : (3 Folders)		
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<u>Physical Description</u> : (2 Folders)		
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<u>Physical Description</u> : (4 Folders)		
Spectrum Analysis		
General	box 253	folder 12
Articles and Publications	box 253	folder 13 to 15
<u>Physical Description</u> : (3 Folders)		
Articles and Publications	box 254	folder 1 to 5
<u>Physical Description</u> : (5 Folders)		
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Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 254	folder 7 to 9
Unidentified Manuscript Article "Spectral Analysis Applicable to Medicine"	box 254	folder 10
Steam Pipes		
Boiler Covering Case	box 254	folder 12
Keansbey and Mattison Case		
Clippings and Notes <u>Physical Description:</u> (2 Folders)	box 254	folder 13 to 14
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Legal Documents <u>Physical Description:</u> (7 Folders)	box 255	folder 1 to 7
Patents <u>Physical Description:</u> (2 Folders)	box 255	folder 8 to 9
Steel		
Harney Steel Case, 1895	box 255	folder 10
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Sugar		
Adulteration-- Clippings and Notes <u>Physical Description:</u> (9 Folders)	box 256	folder 1 to 9
Advertisements	box 256	folder 10
American Glucose Co., 1896	box 256	folder 11
Articles and Publications <u>Physical Description:</u> (4 Folders)	box 256	folder 12 to 15
Articles and Publications	box 257	
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Articles and Publications <u>Physical Description:</u> (2 Folders)	box 259	folder 1 to 2
Chandler Article on Sugar- Manuscript <u>Physical Description:</u> (3 Folders)	box 259	folder 3 to 5
Beet Sugar <u>Physical Description:</u> (5 Folders)	box 259	folder 6 to 10
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Cane Sugar		

<u>Physical Description</u> : (2 Folders)	box 259	folder 12 to 13
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Leplay-Cuisinier Patent, 1868-1874	box 261	folder 6
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Refinement Processes-- Clippings and Notes	box 261	folder 12
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Sugar Industry-- Clippings and Notes <u>Physical Description</u> : (3 Folders)	box 261	folder 15 to 17
Sulphur		
Articles and Publications	box 262	folder 1
Clippings and Notes	box 262	folder 2
Correspondence, 1876-1901	box 262	folder 3
Patents	box 262	folder 4
Sulphuric Acid		
Patents <u>Physical Description</u> : (4 Folders)	box 262	folder 5 to 8
Tanning Leather and Glue		

Articles and Publications	box 262	folder 9
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Correspondence, 1872-1912	box 262	folder 15
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Articles and Publications <u>Physical Description:</u> (5 Folders)	box 264	folder 6 to 10
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<u>Physical Description:</u> (3 Folders)		
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Clippings and Notes <u>Physical Description:</u> (10 Folders)	box 271	folder 1 to 10
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Legal Documents <u>Physical Description:</u> (11 Folders)	box 274	folder 2 to 12
Patents	box 274	folder 13
Patents <u>Physical Description:</u> (2 Folders)	box 275	folder 1 to 2
Patents	box 275	folder 3
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Clippings and Notes <u>Physical Description:</u> (3 Folders)	box 275	folder 6 to 8
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