NYCRR 89-1126

COLLECTIONS OF CORRESPONDENCE AND MANUSCRIPT DOCUMENTS

NAME OF COLLECTION: HOWE, HENRY MARION - Papers

SOURCE: School of Mines Office - found by Thomas T. Reed - 1942; 2nd group of materials found by George L. Kehl - 1961

SUBJECT: Metallurgy; steel in particular

DATES COVERED: 1884 - 1909; 1916 NUMBER OF ITEMS: ca. 350

STATUS: (check appropriate description)
Cataloged: ____ Listed: X Arranged: X Not organized: ____

CONDITION: (give number of vols., boxes, or shelves)
Bound: 4 Boxed: 5 (one ms. per box) Stored: ____

LOCATION: (Library) Special Collections CALL-NUMBER: Spec Ms Coll-C Howe, H. M.

RESTRICTIONS ON USE ____

DESCRIPTION:

The correspondence of Henry Marion Howe, 1848-1922, Professor of Metallurgy at Columbia University from 1897 to 1922, deals with various departmental affairs such as supplies, laboratory equipment, building maintenance, personnel, students and exam questions. The chief correspondents are two of Howe's colleagues in the Department of Metallurgy: Bradley Stoughton and Arthur Lucian Walker. The Stoughton correspondence runs from 1902 to May 1908, at which time he left Columbia and was replaced by Walker. Although Walker remained in the department until 1929, only his correspondence from May 1908 to 1909 is included. Throughout the correspondence there are frequent references to steel. Most of Howe's letters are originals, while Stoughton and Walker's replies are almost entirely carbon copies. In addition to the above mentioned correspondence, there is a group of letters of inquiry and letters of reference regarding Howe's effort to find a new assistant during July and August of 1916. The manuscripts and documents consist of 20 reports, with covering letters, by Howe as a metallurgical consultant to various mining and metal companies; ranging in date from 1890 to 1911; lecture notes, 1884-1896; 2 scrapbooks of metallurgical photographs; 4 volumes of blueprint graphs illustrating metalic content; a volume of Howe's experiments on refrigeration, ca. 1888-89; and various other metallurgical notebooks.

For a list of the collection see over.

A List of the Henry M. Howe Collection

Box 1: Correspondence and Reports

Correspondence , arranged chronologically: 1902; 1904, 1905, 1906, 1907, 1908, 1909; July-Aug. 1916.-1917

Reports to mining and metal companies: 1882-83; 1890-92; 1894-95;1907;

Paine, William. Transcript of his testimony for the defense of _____, regarding his experience with the qualities of steel such as elasticity and hardness. 10 Feb 1886 (contains references to construction of the Brooklyn Bridge) Typescript carbon, 74p.

Printed Matter

Box 2: Metallurgical Notebooks and other manuscripts and documents

(Item No.)

1. Lecture notes and exam questions, ca. 1895-96, 1 folder.

2. Notes of lectures on civil metallurgy delivered at the Institute of Technology, Nov - Dec 1884, Bound volume.

3. Lectures: copper, silver, charcoal and other metals, ca.1885-1888? Bound volume.

4. Fried, Krupp, Aktien-Gesellschaft vs. Midval Steel Company. Direct examination of H. M. Howe, 1910.

Box 3: 5. Notebook: "White metals", Bound volume.

6. U.S. patent specifications for various refrigeration devices, 1875-1887.

6a. Patent application of Robert Hadfield for manufacture of manganese steel, 1896.

7. Notebook: Experiments on refrigeration, ca.1888-89.

8. Notebook on work on Oxford ores

Box 4: 9. Notebook: Alloys and structural metals

10. - 13. Blueprint graphs illustrating metalic content, numbered respectively: A7, A35, A36, A38, 4 bound volumes.

Box 5 : Item No. 14. Notebook: Analysis and physical tests, numbered 26.

BARNARD College 1869 photographs

15. Metallurgical photographs - Miscellaneous, numbered M3, Bound volume.

16. Metallurgical photographs - Deformation, numbered M4, Bound volume.

Flat Box 113, 114

17. Medal of the Verein zur Beförderung des Gewerbfleisses, presented to H. M. Howe on 8 Nov 1895. Letter of award written by Dr. Herman Wedding.

18. Memorandum book on work at the copper mines of Caldera, Copiapo and other places in Chile, recording expenses, experiments in smelting, refining, etc., 1877-78. 1 bound volume. (Transferred from Engineering Library, 1974)

Flat Box 114 : UTS class photograph, 1909