

Guide to the Edwin Hoyt Lockwood Papers

MS 328



compiled by Staff of Manuscripts and Archives

April 1983

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Collection Overview

REPOSITORY: Manuscripts and Archives
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CALL NUMBER: MS 328

CREATOR: Lockwood, Edwin Hoyt

TITLE: Edwin Hoyt Lockwood papers

DATES: 1890-1932

PHYSICAL DESCRIPTION: 0.75 linear feet (2 boxes)

LANGUAGE: English

SUMMARY: The papers consist of a series of automobile chassis dynamometer tests conducted at Yale (1916-1932) by Edwin Hoyt Lockwood and material relating to the performance of early automobiles.

ONLINE FINDING AID: To cite or bookmark this finding aid, please use the following link: <https://hdl.handle.net/10079/fa/mssa.ms.0328>

Requesting Instructions

To request items from this collection for use in the Manuscripts and Archives reading room, please use the request links in the HTML version of this finding aid, available at <https://hdl.handle.net/10079/fa/mssa.ms.0328>.

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Key to the container abbreviations used in the PDF finding aid:

b. box

Administrative Information

Immediate Source of Acquisition

The papers were given by the Department of Engineering and Applied Sciences in 1965.

Conditions Governing Access

The materials are open for research.

Conditions Governing Use

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Preferred Citation

Edwin Hoyt Lockwood Papers (MS 328). Manuscripts and Archives, Yale University Library.

Biographical / Historical

Edwin Hoyt Lockwood was born October 31, 1866, in New Canaan, Connecticut. He prepared for Yale at the New Canaan Seminary and received his Ph.B. from Sheffield Scientific School in 1888. He continued to be associated with the scientific divisions of Yale until his death. He received his M.E. in 1892 and his Ph.D. in 1901. He began as an instructor in the Department of Mechanical Engineering and continued in that department steadily rising in rank until he was appointed Robert Higgins Professor of Mechanical Engineering in 1927. He was a member of the American Society of Engineers, The Society of Automotive Engineers, the Society of Mechanical Heating and Ventilating Engineers, The American Academy of Arts and Sciences, and other engineering societies. He contributed articles to *The Journal of Automotive Engineers*, *Power*, *The Scientific American*, and the *Yale Alumni Weekly*. He also wrote a pamphlet on mechanical drawing (Tuttle, Morehouse, and Taylor, 1892), and contributed a chapter on perspective to John Clayton Tracy's *Introductory Course in Mechanical Drawing* (New York, 1898).

His real reputation came not from mechanical drawing, but from the development of experimental mechanical and automotive engineering in which he played a part. He came to be respected as the leading authority in the scientific aspects of automotive design and testing, and in the late 1920's performed automotive tests on new models for the companies which produced them. His tests were as authoritative as the road tests conducted by independent testing companies today, in the days before road tests became standard.

Scope and Contents

The papers of Edwin Hoyt Lockwood (1866-1930) are contained in two manuscript boxes, one of automobile chassis dynamometer tests and an explanation of the methods used and calibration calculations, and one containing a laboratory experiment notebook kept in 1893.

The body of this collection is a series of automobile chassis dynamometer tests which Lockwood and his students performed from 1916-1931. Virtually all the great classic cars are represented even though the collection is not complete. Professor Lockwood numbered the series of tests 100-435, but this collection contains only approximately 200 of the 345 original tests. These are blueprint copies of the original test information. The originals of the series were deposited in the Ford Museum, Dearborn, Michigan. Along with the copies of the original tests is an explanation of the testing methods and calculations used in calibrating the measuring equipment.

There are also two studies of independent engineering problems: a calculation of the Frequency of A Malleable Iron Fittings Company, (Branford, Conn.) Vibrator and the correspondence concerning the problem, and a study of Centrifugal Force and Coiled Springs.

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b.2	Lecture notes for his "Course in Mechanical Drawing. Freshman Class, 1891.": 2 vols., 50 pp. 1891, New Haven. Manuscript.	1891

Selected Search Terms

The following terms have been used to index the description of this collection in the Library's online catalog. They are grouped by name of person or organization, by subject or location, and by occupation and listed alphabetically therein.

Subjects

Automobiles -- Design and construction
Engineering

Geographic Names

Europe
Germany

Genres / Formats

Blueprints

Occupations

Engineers

Names

Lockwood, Edwin Hoyt

Corporate Bodies

Yale University. Sheffield Scientific School
Yale University -- Faculty