

Guide to the Edwin Hoyt Lockwood Papers

MS 328



compiled by Staff of Manuscripts and Archives

April 1983

Yale University Library
P.O. Box 208240
New Haven, CT 06520-8240
(203) 432-1735
(203) 432-7441
beinecke.library@yale.edu
<http://www.library.yale.edu/mssa/>

Table of Contents

Collection Overview	3
Requesting Instructions	3
Administrative Information	3
Immediate Source of Acquisition	3
Conditions Governing Access	3
Conditions Governing Use	4
Preferred Citation	4
Biographical / Historical	4
Scope and Contents	4
Collection Contents	5
Selected Search Terms	17

Collection Overview

REPOSITORY: Manuscripts and Archives
Yale University Library
P.O. Box 208240
New Haven, CT 06520-8240
(203) 432-1735
(203) 432-7441
beinecke.library@yale.edu
<http://www.library.yale.edu/mssa/>

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>.

To order reproductions from this collection, please go to http://www.library.yale.edu/mssa/ifr_copy_order.html. The information you will need to submit an order includes: the collection call number, collection title, series or accession number, box number, and folder number or name.

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

Unpublished materials authored or otherwise produced by the creator(s) of this collection are in the public domain. There are no restrictions on use. Copyright status for other collection materials is unknown. Transmission or reproduction of materials protected by U.S. Copyright Law (Title 17, U.S.C.) beyond that allowed by fair use requires the written permission of the copyright owners. Works not in the public domain cannot be commercially exploited without permission of the copyright owners. Responsibility for any use rests exclusively with the user.

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.

Collection Contents

b.1	Study of Malleable Iron Fittings Company (Branford, Conn.) Vibrator	
b.1	Study of Centrifugal Force and Coiled Springs	
b.1	Explanation of Automobile Chassis Dynamometer Testing Methods	
b.1	Test Series Calibration Calculations	
	Automobile Chassis Dynamometer Tests	
b.1	Series No. 100: Chalmers, 6-30	1916
b.1	Series No. 101: Packard, Phaeton (2-25)	1916
b.1	Series No. 102: Franklin, Series 9	1916
b.1	Series No. 103: Overland, Model 42	1911
b.1	Series No. 104	
b.1	Series No. 105	
b.1	Series No. 106	
b.1	Series No. 107: Franklin, Series 9	1917
b.1	Series No. 108: Buick, D55	1916
b.1	Series No. 109: National, Series A-B	1916
b.1	Series No. 110	
b.1	Series No. 111	
b.1	Series No. 112: Marmon, Touring Model 34	1916
b.1	Series No. 113	
b.1	Series No. 114: Oldsmobile, Model 45	1917
b.1	Series No. 115: Oldsmobile, Model 45	1917
b.1	Series No. 116*: Oldsmobile	
b.1	Series No. 117	
b.1	Series No. 118	
b.1	Series No. 119	
b.1	Series No. 120	
b.1	Series No. 121: GMC Truck, Model 16	1918
b.1	Series No. 121A: GMC Truck, Model 16	1918
b.1	Series No. 122*: Fiat	

b.1	Series No. 123: Jeffrey	1917
b.1	Series No. 124: Ford, Model "T"	1917
b.1	Series No. 125A: Hudson, 6-40 Model "G"	1916
b.1	Series No. 126: Hudson, Super Six Model "J"	1917
b.1	Series No. 127	
b.1	Series No. 128: Packard, 2-35	1917
b.1	Series No. 129	
b.1	Series No. 130: Overland, Model 85	1916
b.1	Series No. 131	
b.1	Series No. 132: Crane-Simplex	1916
b.1	Series No. 133: Stanley Steamer, Model 726	1916
b.1	Series No. 134	
b.1	Series No. 135: Stanley Steamer, Model 735	1918
b.1	Series No. 136: Franklin, Series 5	1914
b.1	Series No. 137*: Overland	
b.1	Series No. 138: Franklin, Series 9B	1919
b.1	Series No. 139*: Overland	
b.1	Series No. 140: Buick, D-45	1917
b.1	Series No. 141: Overland, Model 85	1917
b.1	Series No. 142: Fiat, 50-56	1913
b.1	Series No. 143: Overland, Coupe, 85-6	1917
b.1	Series No. 144	
b.1	Series No. 145	
b.1	Series No. 146: Maxwell, Model 25	1919
b.1	Series No. 147: Marmon, Model 34	1917
b.1	Series No. 148: Stutz, Series 4-6	1919
b.1	Series No. 149: Mercer, "Raceabout"	1917
b.1	Series No. 150: Cadillac, Convertible Victoria	1918
b.1	Series No. 151: Studebaker, SF 4-40	1918
b.1	Series No. 152: Ford, Touring	1917

b.1	Series No. 153: Overland, Model 81	1915
b.1	Series No. 154: Oldsmobile, Model 45-A	1919
b.1	Series No. 155: Oldsmobile, Model 45-A	1919
b.1	Series No. 156: Oldsmobile, Model 45	1919
b.1	Series No. 157: Peerless, 7 Pass. Touring	1916
b.1	Series No. 158: Stevens, Salient Six, Model 84	1919
b.1	Series No. 159: Oldsmobile, Truck (¾ Ton)	1919
b.1	Series No. 160: Stephens, Salient Six, Model 86	1919
b.1	Series No. 161: Stephens, Salient Six, Model 84	1919
b.1	Series No. 162: Oldsmobile, Touring, Model 45B	1919
b.1	Series No. 163: Oldsmobile, Model 37	1919
b.1	Series No. 164: Cadillac, Model 55	1915
b.1	Series No. 165*: Franklin	
b.1	Series No. 166: Paige	1915
b.1	Series No. 167: Ford, Model "T"	1918
b.1	Series No. 168: White, Model "GAF"	1913
b.1	Series No. 169: Hupmobile, Model "N"	1916
b.1	Series No. 170	
b.1	Series No. 171: Overland, Model 85-6	1917
b.1	Series No. 172: Duplex, 1½ Ton Truck	1920
b.1	Series No. 173: White, Model "GAF"	1913
b.1	Series No. 174: Buick, Model 21-Six-45	1921
b.1	Series No. 175: Packard, Twin Six	1921
b.1	Series No. 176: Mercer, Series 5	1920
b.1	Series No. 177: GMC, K-16 Truck (¾ Ton)	1920
b.1	Series No. 178	
b.1	Series No. 179: Chevrolet, 440	1921
b.1	Series No. 180	
b.1	Series No. 181: Chevrolet, Model "T", 1 Ton Truck	1921
b.1	Series No. 182: Ford, Model "T"	1921

b. 1	Series No. 183: Stanley Steamer	1918
b. 1	Series No. 184: Packard, Sedan 2-25	1916
b. 1	Series No. 185: Kissel	1918
b. 1	Series No. 186: Kissel, 6-42	1916
b. 1	Series No. 187: Dodge, Touring	1915
b. 1	Series No. 188	
b. 1	Series No. 189: Buick, Roadster, K-6-44	1920
b. 1	Series No. 190: Mercedes, Touring	1909
b. 1	Series No. 191: Studebaker, EG	1921
b. 1	Series No. 192: Lincoln	1921
b. 1	Series No. 193: Pierce Arrow, 6-48	1920
b. 1	Series No. 194*: Locomobile	
b. 1	Series No. 195: Stutz, Model "H"	1920
b. 1	Series No. 196: Cole 8, Touring	1921
b. 1	Series No. 197: Stutz, Model "H"	1920
b. 1	Series No. 198: Reo, Speed Wagon	1919
b. 1	Series No. 199: Essex, Model "A"	1919
b. 1	Series No. 200: U.S. Army Truck, Standardized "B", Second Series	1921
b. 1	Series No. 201: U.S. Army Truck, Standardized "B", Second Series	1921
b. 1	Series No. 202: Detroit, Trailer Truck (3 Ton)	1921
b. 1	Series No. 203: White, Army Reconnaissance	1918
b. 1	Series No. 204: Mack, AC 7½ Ton Truck	1921
b. 1	Series No. 205: U.S. Army Truck, Standardized "B", Second Series	1921
b. 1	Series No. 206	
b. 1	Series No. 207*: Reo	
b. 1	Series No. 208: White, Model "GAF"	1913
b. 1	Series No. 209	
b. 1	Series No. 210: Franklin, Series 9B	1922
b. 1	Series No. 211: McFarlan, Brougham	1922
b. 1	Series No. 212: Cleveland, Model 6	1922

b.1	Series No. 213*: Chandler	
b.1	Series No. 214: Haynes, "55"	1922
b.1	Series No. 215*: Overland	
b.1	Series No. 216*: Ford	
b.1	Series No. 217: Willys-Knight, Model 20	1922
b.1	Series No. 218*: Mercer	
b.1	Series No. 219: Wills Sainte Claire	1922
b.1	Series No. 220: Franklin, Series 9	1917
b.1	Series No. 221*: Studebaker	
b.1	Series No. 222: Buick, K45	1920
b.1	Series No. 223: Maxwell, Model 25	1922
b.1	Series No. 224A: McFarlan, Model 145	1922
b.1	Series No. 225: Cunningham, "8"	1916
b.1	Series No. 226*: Dodge	
b.1	Series No. 227*: Overland	
b.1	Series No. 228*: Packard 6	
b.1	Series No. 229*: Locomobile	
b.1	Series No. 230	
b.1	Series No. 231	
b.1	Series No. 232	
b.1	Series No. 233*: Reo	
b.1	Series No. 234*: Ford	
b.1	Series No. 235: Ford, Model "T", Runabout	1922
b.1	Series No. 236*: Maxwell	
b.1	Series No. 237*: Maxwell	
b.1	Series No. 238*: Ford, Sedan	
b.1	Series No. 239	
b.1	Series No. 240: Ford, Model "T", Touring	1922
b.1	Series No. 241: Willys-Knight, Model 20A	1923
b.1	Series No. 242	

b.1	Series No. 243: Overland, Model 85-A	1923
b.1	Series No. 244: Buick, K-44	1920
b.1	Series No. 245*: Chevrolet	
b.1	Series No. 246*: Durant	
b.1	Series No. 247*: Star	
b.1	Series No. 248: Essex	1923
b.1	Series No. 249: Hudson, Super-Six	1922
b.1	Series No. 250*: Franklin	
b.1	Series No. 251: Mercer, Series V	1922
b.1	Series No. 252: Mitchell, F-50	1923
b.1	Series No. 253: Gardner, Model 4	1922
b.1	Series No. 254*: Pierce-Arrow	
b.1	Series No. 255: Packard, Single Six	1920
b.1	Series No. 256: Willys-Knight, 20A	1922
b.1	Series No. 257*: Buick Six	
b.1	Series No. 258: Franklin, Series 10B	1923
b.1	Series No. 259: Cole, 870	1919
b.1	Series No. 260*: Ford	
b.1	Series No. 261*: Ford	
b.1	Series No. 262	
b.1	Series No. 263*: Packard 12	
b.1	Series No. 264*: Studebaker	
b.1	Series No. 265	
b.1	Series No. 266: Lexington, Model 23	1923
b.1	Series No. 267: Rickenbacker, Series "A"	1923
b.1	Series No. 268: Oldsmobile "4", 43A	1923
b.1	Series No. 269: Buick, G-45	1923
b.1	Series No. 270*: Chandler	
b.1	Series No. 271: Cunningham, 1919V	1919
b.1	Series No. 272*: Stutz	

b.1	Series No. 273*: Mercer	
b.1	Series No. 274*: Studebaker	
b.1	Series No. 275*: Packard	
b.1	Series No. 276*: Bessemer Truck, Model "L", 2½-3 Ton	1923
b.1	Series No. 277*: Overland	
b.1	Series No. 278*: Studebaker	
b.1	Series No. 279: Buick, 24-Four-35	1924
b.1	Series No. 280: Knox, Touring	1912
b.1	Series No. 281: H.C.S., Series IV, Model 6	1923
b.1	Series No. 282: Dort, Model 27	1924
b.1	Series No. 283*: Flint	
b.1	Series No. 284*: Peerless	
b.1	Series No. 285*: Dodge	
b.1	Series No. 286*: Ford, Sedan	
b.1	Series No. 287: Studebaker, Special Six	1921
b.1	Series No. 288: Stutz, "G"	1919
b.1	Series No. 289: Gardner, Series 5, Model "C"	1924
b.1	Series No. 290: Franklin, Series 10B	1924
b.1	Series No. 291: Franklin, Series 11	1924
b.1	Series No. 292: Essex	1924
b.1	Series No. 293: Mercedes, Model 28/95	1924
b.1	Series No. 294*: Marmon	
b.1	Series No. 295: Chrysler	1924
b.1	Series No. 296: Buick, 22-44	1922
b.1	Series No. 297: Packard, Sport Model	1924
b.1	Series No. 298: Indian Motor Cycle	1924
b.1	Series No. 299: Harley-Davidson Cycle, 74 cu. in.	
b.1	Series No. 300: Harley-Davidson Cycle	1923
b.1	Series No. 301*: Isotta-Frasclini	
b.1	Series No. 302*: Flint	

b.1	Series No. 303: Packard, 7 Pass. Touring	1924
b.1	Series No. 304*: Ford	
b.1	Series No. 305*: Chrysler	
b.1	Series No. 306: Buick, Standard Six, 25-25	1925
b.1	Series No. 307*: Buick	
b.1	Series No. 308: Buick, 25-35	1923
b.1	Series No. 309A*: Cadillac, V-63	
b.1	Series No. 310*: Pierce-Arrow, "80"	
b.1	Series No. 311*: Lincoln	
b.1	Series No. 312*: Premier	
b.1	Series No. 313*: Jordan	
b.1	Series No. 314A*: Packard 8	
b.1	Series No. 314B*: Packard 8	
b.1	Series No. 315*: Buick	
b.1	Series No. 316*: Chrysler	
b.1	Series No. 317*: Buick, Roadmaster "6"	
b.1	Series No. 318*: Buick, Roadmaster "6"	
b.1	Series No. 319*: Ford	
b.1	Series No. 320*: Franklin	
b.1	Series No. 321*: Oldsmobile "6"	
b.1	Series No. 322*: Maxwell	
b.1	Series No. 323*: Pierce-Arrow	
b.1	Series No. 324*: Dort	
b.1	Series No. 325: Mercedes, 24-100-14-	1925
b.1	Series No. 326*: Chevrolet	
b.1	Series No. 327*: Franklin	
b.1	Series No. 328*: Mercedes	
b.1	Series No. 329*: Chrysler	
b.1	Series No. 330*: Chrysler	
b.1	Series No. 331*: Chrysler	

b.1	Series No. 332*: Wills Sainte Claire	
b.1	Series No. 333*: Chrysler	
b.1	Series No. 334*: Buick, Standard Six	
b.1	Series No. 335	
b.1	Series No. 336	
b.1	Series No. 337	
b.1	Series No. 338	
b.1	Series No. 339	
b.1	Series No. 340	
b.1	Series No. 341	
b.1	Series No. 342	
b.1	Series No. 343	
b.1	Series No. 344	
b.1	Series No. 345	
b.1	Series No. 346	
b.1	Series No. 347*: Cunningham	
b.1	Series No. 348	
b.1	Series No. 349: Harley-Davidson Motorcycle, 74 cu. in.; 25-JDCB-2748	1925
b.1	Series No. 350*: Harley-Davidson Motorcycle, 61 cu. in.	
b.1	Series No. 351*: Harley-Davidson Motorcycle, 21 cu. in.	
b.1	Series No. 352	
b.1	Series No. 353*: Harley-Davidson Motorcycle, 74 cu. in.	
b.1	Series No. 354*: Studebaker, Standard Six	
b.1	Series No. 355	
b.1	Series No. 356*: Chrysler, "80"	
b.1	Series No. 357*: Indian Motorcycle, 21 cu. in.	
b.1	Series No. 358*: Nash	
b.1	Series No. 359: Buick, Standard Six, Series 115	1927
b.1	Series No. 360: Buick, Standard Six, Series 115	1927
b.1	Series No. 361	

b.1	Series No. 362*: Buick, Standard Six	
b.1	Series No. 363*: Ford	
b.1	Series No. 364: Chrysler, "80"	1926
b.1	Series No. 364A: Chrysler, "80"	1926
b.1	Series No. 365: Willys-Knight, 6-66 (Great Six)	1927
b.1	Series No. 366: Cadillac, V-63	1927
b.1	Series No. 367: Lincoln, Phaeton	1926
	Series No. 368*: LaSalle	
b.1	Series No. 369: Reo Flying Cloud, Model "A"	1927
b.1	Series No. 370A: Nash, Special Six, Model 340	1927
b.1	Series No. 371: Reo Flying Cloud, Model "A"	1927
b.1	Series No. 372	
b.1	Series No. 373A: LaSalle, Town Sedan	1927
b.1	Series No. 373B: LaSalle, Town Sedan	1927
b.1	Series No. 374: Packard, Sedan, 526	1928
b.1	Series No. 375: Studebaker, Commander	1927
b.1	Series No. 376: Buick, Standard Six Sedan	1925
b.1	Series No. 377*: Studebaker	
b.1	Series No. 378*: Chrysler, "72"	
b.1	Series No. 379*: Franklin, Air Man	
b.1	Series No. 380*: Packard, "8" Special	
b.1	Series No. 381: Reo, Wolverine Brougham, Model "B"	1928
b.1	Series No. 382*: Stutz, 8	
b.1	Series No. 383: Buick, Master Six, Touring	1928
b.1	Series No. 384: Hudson, Super Six Coach	1928
b.1	Series No. 385: Marmon, 8 Sedan	1927
b.1	Series No. 386*: Packard, Standard Eight	
b.1	Series No. 387: Packard, Special Eight Sedan	1928
b.1	Series No. 388*: Essex, Super Six	
b.1	Series No. 389*: Buick, Master Six	

b.1	Series No. 390: Cadillac, Convertible Coupe	1928
b.1	Series No. 391*: Ford, Model "A"	
b.1	Series No. 392*: Whippet 4	
b.1	Series No. 393: Oldsmobile, F-28	1928
b.1	Series No. 394: Nash, "470"	1929
b.1	Series No. 395: Buick, Coupe	1928
b.1	Series No. 396A: Oakland, AA Roadster	1928
b.1	Series No. 396B: Oakland, AA Roadster	1928
b.1	Series No. 397: Buick, 28-55	1928
b.1	Series No. 398*: Chevrolet	
b.1	Series No. 399: Cadillac, V-57, Touring	1929
b.1	Series No. 400: Nash, "425"	1929
b.1	Series No. 401: Packard, Standard Eight Sedan, Model 626	1929
b.1	Series No. 402: Cadillac, V-57, Touring	1929
b.1	Series No. 403: Hupmobile, Century Six Sedan	1928
b.1	Series No. 404: Chrysler, Model 75 Roadster	1929
b.1	Series No. 405: Franklin, 5 Passenger Sedan	1929
b.1	Series No. 406*: Chevrolet	
b.1	Series No. 407	
b.1	Series No. 408: Rolls-Royce, Phantom Sedan	1929
b.1	Series No. 409*: Packard	
b.1	Series No. 410*: Minerva	
b.1	Series No. 411*: Packard	
b.1	Series No. 412*: Cadillac	
b.1	Series No. 413*: Chrysler	
b.1	Series No. 414*: Cadillac	
b.1	Series No. 415*: DeSoto	
b.1	Series No. 416*: Franklin	
b.1	Series No. 417	
b.1	Series No. 418: Buick, Model 29-58	1929

b. 1	Series No. 419: Stutz, Convertible Sedan	1929
b. 1	Series No. 420: Chrysler, "77"	1930
b. 1	Series No. 421*: Chrysler	
b. 1	Series No. 422*: Hupmobile 8	
b. 1	Series No. 423*: Studebaker 8	
b. 1	Series No. 424*: Packard, "633"	
b. 1	Series No. 425: Lincoln, Sedan	1930
b. 1	Series No. 426*: Oakland	
b. 1	Series No. 427*: LaSalle	1930
b. 1	Series No. 428*: Cadillac, V-12	
b. 1	Series No. 429: Ford, Model "A"	1930
b. 1	Series No. 430*: Buick 8	
b. 1	Series No. 431*: Buick 8	
b. 1	Series No. 432*: LaSalle	1930
b. 1	Series No. 433: Willys, Six Roadster, 97-A	1931
b. 1	Series No. 434*: Ford, Model "A"	
b. 1	Series No. 435*: Chevrolet 6	1932
b. 1	Series No. 436*: Miller Racing Car	
b. 2	Notebook of laboratory work kept by Lockwood	1893
b. 2	Lecture notes for his "Freshman Drawing, 1890. List of plates with a description of each.": 1 vol., 50 pp. 1896, New Haven. Manuscript.	1896
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