

Wright Brothers Collection Part I: The Technical Library

School Texts

Adler, G. J. *Ollendorff's New Method of Learning to Read, Write, and Speak the German Language; to which is added a Systematic Outline of German Grammar*. New York: D. Appleton & Company, 1845.

With autograph of Susan Koerner, the Wright Brothers' mother.

Anderegg, Frederick, and Edward Roe. *Trigonometry for Schools and Colleges*. Boston: Ginn & Company, 1896.

With autograph of Katharine Wright, Orville and Wilbur's sister.

Bonnycastle, John. *An Introduction to Mensuration and Practical Geometry*. Philadelphia: Kimber & Sharpless, 1838.

With autograph of Milton Wright, the Wright Brothers' father, as well as a note that the book originally belonged to Samuel Smith Wright, who was Milton's oldest brother.

Colburn, Warren. *An Introduction to Algebra, upon the Inductive Method of Instruction*. Boston: Hilliard, Gray & Co., 1835.

With autograph of Samuel Smith Wright, Milton's oldest brother.

Comstock, J. L. *An Introduction to the Study of Botany, including a Treatise of Vegetable Physiology, and Descriptions of the Most Common Plants in the Middle and Northern States*. New York: Farmer, Brace, & Company, 1857.

Davies, Charles. *Elementary Algebra: Embracing the First Principles of the Science*. Cincinnati: A. S. Barnes & Co., 1854.

With autograph of Susan Koerner, the Wright Brothers' mother.

_____. *Elements of Algebra: Including Sturms' Theorem*: New York. A. S. Barnes, 1850.

With autograph of Milton Wright, the Wright Brothers' father.

Norton, Sidney A. *The Elements of Natural Philosophy*. Cincinnati and New York: Van Antwerp, Bragg & Co., 1870.

With autograph of Orville Wright.

Ray, Joseph. *Primary Elements of Algebra, for Common Schools and Academies*. Cincinnati: Wilson, Hinkle & Co., 1866.

With autograph of Orville Wright.

With autograph of Katharine Wright, Orville and Wilbur's sister.

Stewart, Seth T. *Plane and Solid Geometry*. New York: American Book Company, 1891.

With autograph of Katharine Wright.

Upham, Thomas C. *Elements of Mental Philosophy*. New York: Harper & Brothers, 1856.

With autograph of Susan Koerner.

Wayland, Francis. *The Elements of Moral Science*. Boston: Gould and Lincoln, 1857.

With autograph of Susan Koerner.

Aeronautical Books

Adams, Heinrich. *Flug, von Heinrich Adams. Unser Flieger, von Wilbur and Orville Wright*. Leipzig, C. F. Amelangs Verlag, 1909, 144pp. Call number TL545. A2 1909.

Black, Archibald. *The Story of Flying*. New York: Whittlesey House, McGraw-Hill Book Co., c. 1943, 272pp. Call number TL515. B57 1943.

Blanchet, Georges. *Le Vade-Mecum de L'Aéronaute. Traité pratique d'Aérostation Sportive. Préface de Paul Adam*. Paris: the Author, 1907, 284pp. Call number TL626B6 1907.

First edition; some pages uncut.

- Brewer, Griffith, and Patrick Y. Alexander. *Aëronautics: An Abridgement of Aëronautical Specifications Filed at the Patent Office from A.D. 1815 to A.D. 1891*. London: Taylor and Francis, 1893, vi + 160pp.
- Brockett, Paul. *Bibliography of Aeronautics*. Washington: Smithsonian Institution, 1910, 940pp. Call number Z5063 .B76.
- Bruno, Harry. *Wings Over America: The Inside Story of American Aviation*. New York: R.M. McBride, 1942, 333pp. Call number TL521 .B75 1942.
- Byrd, Richard Evelyn. *Little America, Aerial Exploration in the Antarctic: The Flight to the South Pole*. New York: G.P. Putnam's Sons, 1930, 422pp. Call number G850 1928. A3
- Chanute, Octave. *Progress in Flying Machines*. New York: *The American Engineer and Railroad Journal*, 1894, vi + 208pp. Call number TL670.5 C5 1894

Marginal lineations and notes:

Index checkmarked beside entries for Louis-Pierre Mouillard's 'soaring apparatus', Horatio Phillip's experiments with curved surfaces, and Clément Ader's 'flying aeroplane'.

Page 3 and pages 8-9, regarding air pressure; 84-5, William S. Henson and John Stringfellow; 97, H.P.F. d'Esterno's apparatus; 103, Francis H. Wenham's report on the horizontal position of the glider pilot; 122, Sir George Cayley on lateral stability; 208, 214, Otto Lilienthal and Adler on the problem of equilibrium; 230, ["Lampson" in margin beside text on Lawrence Hargrave's cellular kites]; 233-46, Hiram Maxim's work; 248, ["This at best would lift only 4752 lbs. sq. ft. at 12 miles p. h.," in margin beside text on John J. Montgomery's glider, especially the significance of curved airfoils].

- Charnley, Mitchell Vaughn. *The Boy's Life of the Wright Brothers*. New York: Harper & Brothers, c. 1928, 291pp. Call number TL540. W7 C4.
- Davy, Maurice John Bernard. *Henson and Stringfellow. Their Work in Aeronautics. The History of a Stage in the Development of Mechanical Flight, 1840-1868*. London: Stationery Office, 1931, 115pp. Call number TL670.7 H4D3

Marginal lineations and notes:

pg. 17, regarding William Samuel Henson; 22-4, John Stringfellow; 31-5, the 'aerial steam carriage'; 47, 51-4, the experiments of 1844-47; 56, 64-5, 67, Stringfellow's experiments in 1848 and first model flight, 104-8, Appendix A, "Henson's Patent Specifications of 1842", especially regarding fins, vertical rudder, covering fabric, and the sail for lateral steering.

"Preface" page 3. "...achievement of mechanical flight in 1903."

"Preface" page 4. Paragraph regarding author's opinion that Henson and Stringfellow 'nearly' solved the problem of constructing and flying a full-size plane.

"Introduction" page 10. Theories of Leonardo da Vinci

"Introduction" page 13. Sir George Cayley.

Dedication of the Wright Brothers Home and Shop in Greenfield Village, Dearborn Michigan, April 16, 1938. The Edison Institute, 1938, 62pp. Call number TL540W7H46

Frontispiece print of first powered flight, December 17, 1903, made from original negative.

Dichman, Ernest Wykeham. *This Aviation Business.* New York: Brentano's, 1929, 274pp. Call number TL545.D5 1929.

Dollfus, Charles. *Histoire de l'Aeronautique / texte et documentation de Charles Dollfus & Henri Bouche.* Paris: L'Illustration, 1942, [c1932], 613pp. Call number TL515.D6 1942

Duchene, Emile Auguste. *The Mechanics of the Aeroplane: A Study of the Principles of Flight.* New ed. London: Longmans, Green, 1915, 230pp. Call number TL570.D82 1915

Eiffel, Gustave. *La Résistance de L'Air et L'Aviation Experiences Effectuees au Laboratoire du Champ-De-Mars.* 2d ed. Paris: H. Dunod et E. Pinat, 1911, 252pp. Call number TL570.E5

Plates (xxvii) included in the back of the book.

Ferber, Ferdinand. *Les Progrès De L'Aviation Depuis 1891 Par Le Vol Plané*. Paris: Berger-Levrault et Cie., 1904, 55pp. Call number TL670F441904

Contains essay, “*Orville et Wilbur Wright*”, pp. 17-21.

Marginal lineations [and notes]:

Pg. 22-3, regarding *L'Aéro-Club*, the Wright Brothers, and Octave Chanute; 40-4, “*Construction et usage des appareils Chanute et Wright*”; 52-3, the experiences of Ernest Archdeacon.

_____. . . *Pas à Pas, Saut à Saut, Vol à Vol, . . .*, 1906, 61pp. [Bound in with the above.]

Contains the essay, “*Wright*”, pp. 21-3.

Marginal lineations, pg. 25, regarding Archdeacon and Robert Esnault-Pelleterie.

_____. *L'Aviation. Ses Débuts-Son Développement, De Crête à Crête, De Ville à Ville, De Continent à Continent, . . .*, 1908, xii + 250pp. [Bound in with the above.]

Contains the essay, “*Orville et Wilbur Wright*”, pgs. 49-55.

Marginal lineations, pg. 20-1, regarding aviation history; 34, Otto Lilienthal; 56, 70, “*Ferber a la Poursuite Des Wright, De 1902 a 1906*”; 83, “*Wright de 1903 à 1907 ou le soi disant mystère des Wright*”, which includes the text of a Wright Brothers’ letter of October 9, 1905, to Ferber, answering “inquiries in regard to the practicality of our flyer”; 116, 21, Louis Blériot; 128-9, Voisin Brothers.

French, Thomas Ewing. *A Manual of Engineering Drawing for Students and Draftsman*. New York: McGraw-Hill Book Co., 1947, 694pp. Call number T353 .F85 1947.

Goode, Solon, L. *The Winged Ship*. Indianapolis: American Farmer Co., 1897, 79pp.

[Goupil, Alexandre]. *Aviation. Étude-Expérimentation-Observations et Dédutions*. [Tours: E. Arrault et Cie.r 1893], 99pp. + 19 plates bound in at end.

Title page missing.

Chapter XVII, “*Vol Plané dans le vent,*” contains hand corrections on page 64-5 regarding “*Déclinaison de la résultante des réactions*” calculations.

Gray, Edith Stearns. "*Up*"; *A True Story of Aviation, by "Jack" Stearns Gray*. Strasburg, Va.: Shenandoah Publishing House, Inc., 1931, 384pp. Call number TL540.G75 A32 1931

Hildebrandt, Alfred, Capt. *Die Luftschiffahrt nach ihrer geschichtlichen und gegenwartigen Entwicklung*. Munchen und Berlin: Oldenbourg, 1910, vii + 456pp. Call number TL545.H64 1910.

2d ed., signed by author.

Hinton, Walter. *Opportunities in Aviation*. New York: W. W. Norton & Company, Inc., c. 1929, 255pp. Call number TL545 .H665.

Huth, Fritz, Dr. *Luftfahrzeubau. Konstruktion von Luftschiffen und Flugmaschinen*. Berlin: Verlag von M. Krayn, 1909, 240pp., advertisements + 19 foldout plates bound in at end. Call number TL600 H81909

Signed presentation copy.

Ingells, Douglas J. *They Tamed the Sky; The Triumph of American Aviation*. New York: D. Appleton-Century Co., 1947, 268pp. Call number UG634.5.W7 I5.

Jacobs, Anne Marguerite. *Knights of the Wing*. New York: The Century Co., c. 1928, 240pp. Call number TL547.J8.

The John Fritz Medal. New York: John Fritz Medal Board of Award, 1917, 127pp. Call number T39J5.

Marginal lineations, pp. 113-16, regarding essay on Orville Wright, 1920 medalist.

Kelly, Fred. C. *The Wright Brothers – A Biography Authorized by Orville Wright*. London: George G. Harrap & Co., 1944, 276pp.

_____. *Die Gebruder Wright. Die Erfinder des Motorfluges*. Stuttgart: I. Gnam Verlag, 1947, 214pp. Call number TL540W7K414

Klemin, Alexander. *Airplane Stress Analysis: An Introductory Treatise*. New York: The Ronald Press Company, 1929, 277pp.

Kress, Wilhelm. Aviatik. Wie der Vogel fliegt und wie der Mensch fliegen wird. Wien: Spielhagen & Schurich, 1905, 100pp. Call number TL570K7

Marginal lineations, pgs. 49, 65-6, 71, 78-9, 81-2, regarding the Wright Brothers.

Langley, Samuel Pierpont. *Experiments in Aerodynamics*. Smithsonian Contributions to Knowledge, 801. Washington, LD.C.]: Smithsonian Institution, 1891, 115pp.,+ 5 plates bound in at end. Call number TL570L27

Enclosed obituary of Frank W. Very, from *Science*, LXVI, 1721 (Dec. 23, 1927). Volume lineated as follows:

Chapter I, "Introduction", pp. 3-5, regarding 'Langley's Law'.

Chapter III, "The Suspended Plane", p. 14, regarding 'Langley's Law'.

Chapter IV, "The Resultant Pressure Recorder", pp.16-17' 23, a corrected graph; 24, value in pressure tables.

Chapter V, "The Plane Dropper", p. 47, regarding summary of plane dropping experiments.

Chapter VI, "The Component Pressure Recorder", p. 48, regarding 'Langley's Law'; 63, horizontal pressures; 65, plane edges at soaring speeds; 67, 'Langley's Law'.

Chapter VII, "The Dynamometer-Chronograph", p. 87, regarding propeller slip and efficiency.

Chapter VIII, "The Counterpoised Eccentric Plane", p. 89, regarding the center of pressure and the angle of inclination, i.e., attack.

Chapter IX, "The Rolling Carriage", p. 99, regarding pressure table values.

Chapter X, "Summary", p. 105, regarding 'Langley's Law'; 107 has lineation of Langley's statement, "...much mechanical flight is possible with engines we now possess."

Appendix B, p. 113, regarding mathematical analysis of 'Langley's Law'.

Notes:

Two sheets in Orville Wright's handwriting are enclosed, containing 'Langley's Law' (i.e. "to maintain such planes in horizontal flight at high speeds, less power is needed than for low ones"), and air pressure tables comparing measurements of Wrights, Langley, Duchemin, and Gustave Eiffel.

Typed information from *Langley Aerodrome*, page 202, tipped in to p. 3; half-page of typed notes from 2d edition of *Experiments in Aerodynamics* tipped in to pp. 22-3, and pp. 93, 99, 107-8 from *Experiments*, as well as two handwritten pages of notes on this text are slipped in between pp. 6 and 7.

_____. *The Internal Work of the Wind*. Smithsonian Contributions to Knowledge, 884. Washington, [D.C.]: Smithsonian Institution, 1893, 23pp. + 5 plates bound in at end. Call number TL574 W45 L27

Marginal lineations and notes:

Part I, "Introductory", pp. 2-3, regarding soaring flight of turkey buzzards.

Part III, "Application", p. 18, regarding relationship of lift/weight to inertia.

[All plates show interpretations of anemometer readings.]

_____, and Charles M. Manly. *Langley Memoir on Mechanical Flight, Part I, 1887 to 1896, by Samuel P. Langley, Part II, 1897 to 1903, by Charles M. Manly*. Smithsonian Contributions to Knowledge, XXVII, 3. Washington, [D.C.]: Smithsonian Institution, 1911, xi + 320pp. + 101 plates in text. Call number TL570L3

Two copies available: one has the following lineations:

Marginal lineations [and notes]:

Part I, Chapter I, "Introductory", p. 1, regarding the ratio of horsepower to supported weight.

Chapter II, "Preliminary: Experiments with Small Models", pp. 8-9, regarding Alphonse Penaud's theories of propeller and rudder designs; p. 7, Langley's conclusion in *Aerodynamics*; p. 11, rubber-band models.

Chapter III, “Available Motors”, p. 26, regarding compressed air motor; pp. 28-9, carbonic-acid fuel propellant.

Chapter IV, “Early Steam Motors and Other Models”, pp. 38-9.

Chapter V, “On Sustaining Surfaces”, p. 41 and 44, regarding wind pressure.

Chapter VI, “Balancing the Aerodrome”, pp. 45-6, regarding lateral stability; 47, lift efficiency, [with “see p. 87 in margin].

Chapter VII, “History of Construction of Frame and Engines of Aerodromes”, p. 53, regarding supporting surfaces; pp. 68-9, steam engines; 77, Langley models’ sustaining surfaces.

Chapter VIII, “History of Construction of Sustaining and Guiding Surfaces of Aerodromes 4, 5 and 6”, p. 80, regarding inability to theoretically determine the exact center of pressure.

Chapter IX, “History of Launching Apparatus and Field-Trials of Aerodromes 4, 5 and 6”, p. 97, regarding center of pressure over center of gravity; p. 87, 1895 experiments; p. 107, Aerodrome #6; p. 108, Langley credited with first powered flight; p. 109, “Model Flight – November 28, 1896”.

Chapter X, “Description of the Launching Apparatus and of Aerodrome Nos. 5 and 6”, pp.110-11, regarding aerodrome #5; p. 121, curvature of wings of aerodromes 5 and 6.

Part II, Chapter III, “Experiments with Models”, p. 134, regarding launching; p. 137, speed of aerodrome #6.

Chapter IV, “House-Boat and Launching Apparatus”, pp. 159-60, regarding launching-car struts; p. 161 [“Thrust” in margin]; p. 163, regarding final speed testing of the launching car.

Chapter V, “Construction of Frame of Large Aerodrome”, p. 173-74, regarding frame jointing thimbles; pp. 178, 181-82, propellers; pp. 186-87, comparison of flying to riding a bicycle.

Chapter VI, “Construction of Supporting Surfaces”, pp. 188-89, 190-192, 195-197, 199-200, 203-06, regarding plane crossrib configurations.

Chapter VII, "Equilibrium and Control", p. 207, regarding model equilibrium control; p. 208, regarding large aerodrome construction and how it should mirror Aerodromes 5 and 6; pp. 208-09, regarding center of pressure and center of gravity; p. 210, regarding model #5; pp. 211-12, regarding automatic equilibrium mechanisms; pp. 214-16, Penaud's rudder control construction.

Chapter VIII, "The Experimental Engine", pp. 218-19, regarding Stephen M. Balzer's rotary engine; p. 220 ["See Manly to Langley Sept. 18 and 25" and "Manly, takes over experiments", in margin]; pp. 221-24, features of Langley engine.

Chapter IX, "The Quarter-Sized Model Aerodrome", pp. 226-28 ["Balzer" in margins, regarding Balzer's engine]; p. 229, "Measurements of Thrust"; pp.230-33, regarding the quarter model engine; p. 233, ["Original Balzer cylinder head valves, crank, etc., with new steel cylinder walls", in margin].

Chapter X, "Construction and Tests of the Large Engine", pp. 234-35, cylinders; p. 236, regarding trouble with water jacket ring around cylinder; p. 238, connecting rods; p.239-40, crank shaft bearing and crank pin; p. 241. Manly takes credit for creating starting device shown in plates 78-80; pp. 245-46. Tucked at the end of the chapter, there are three leaves of handwritten notes comparing Wright and Manly engines.

Chapter XII, "Field-Trials in 1903", p. 255, "Propeller Thrust" and "Horse power motor" written in margin; p. 256, "Wright Pilot" written in margin; p. 258, "Launching device" written in margin; p. 265, description of the day of the aerodrome crash in 1903; p. 275, explanation for why this aerodrome crashed in 1903; pp.276-77, examination of the aerodrome after the accident; p. 283, Blénot's aeroplane; p. 266, regarding Manly's statements to the press after the 1903 aerodrome crash; p. 278, official report of U.S. Army Board of Ordnance, January 6, 1904 stating, "...the claim that an engine-driven, man-carrying aerodrome has been constructed lacks the proof which actual flight alone can give."

Appendix, "Study of the American Buzzard and the 'John Crow'"p. 285, regarding Langley's study of warping airfoils; p. 293, letter Langley wrote to Manly about birdflight (Jamaica buzzard) and the flying machine; pp. 297-8, curvature of wings.

....., 1948 [reprint of above], x + 320pp. + 101 plates in text. Call number TL570L3.

Lecornu, Joseph. *La Navigation Aérienne, Histoire documentaire et anecdotique*. Paris: Librairie Nony et Cie, 1903, 484 + 4pp. of advertisements bound in at end. Call number TL515L4 1903.

Lilienthal, Otto. *Der Vogelflug als Grundlage der Fliegekunst. Ein Beitrag zur Systematik der Flugtechnik*. Berlin: R. Gaertners Verlagsbuchhandlung, 1889, vii + 187pp. + 8 foldout plates. Call number TL570L5.

Reference on back of frontispiece to private translation in pamphlet form.

Marginal lineations regarding curvature of wing and aluminum construction, p. 44 [with inscribed translation of lines 22-5].

Octave Chanute gave this book to Wilbur Wright in November, 1901.

_____. *Birdflight as the Basis of Aviation. A Contribution Toward a System of Aviation*. Translated from 2d ed. by A. W. Isenthal. London: Longmans, Green and Co., 1911, xxiv + 142pp. + 8 plates bound in at end. Call number TL570.L6 2001.

Blue covers.

A few small handwritten notes are included on Orville's stationary critiquing the information explained in the book.

Marginal lineations [and notes]:

Pp. 12-13, question mark regarding air resistance; p. 17, energy needed for flight; pp. 20-21, birdflight; p.22-23, air resistance and birdflight techniques; pp. 24 and 29, air pressure; p. 31, beating wings; p. 32, doped plane; p. 42, ["Langley Law disproved" in margin]; p. 50, stork wings; pp. 52-53, wing shapes; pp. 55-57, air pressure and air resistance; p. 58, parabolic curves of wings; p. 59, lift; pp. 63-64, wind measurements with whirling machine; p. 66, thick leading edge of plane; pp. 67-68, p. 70, curvature of wing; p. 71, birds and wing; p. 73, birdwing lift; p. 85, ["Lift at negative angles" in margin]; pp. 90-91, sailing flight; p. 108, work required for flight; p. 137, wave motion required for Wright Flyers.

_____. Call number TL570.L6 2001 (c2)

Green covers.

Marginal lineations [and notes]:

Pp. 12-13, regarding air resistance; p. 17, overestimating energy needed for flight; pp. 19-22, work required for various kinds of flight; p. 23, foundation of flight technique; p. 24, perpendicular and uniform air pressure on a plane surface; pp. 29-32, 46, beating movements increase air resistance; pp. 47, 49, energy needed for plane wing forward flight; p. 50, superiority of birdwings over plane wing surfaces; pp. 52-53, determination of wing shapes; pp. 53, 55, most favorable wing section; pp. 56-59, plane and curved surfaces and air resistance; pp. 60-61, influence of wing outlines; pp. 61-64, determining air pressure on birdwing surfaces; pp. 64-68, determining air pressure on rotating surfaces; p. 69, comparing direction of air pressures; pp. 69-70, forward flight using curved wings; pp. 71-73, birds and wind; pp. 76-77, air pressure on birdwing measured in the wind; pp. 78-81, increase of lifting effects due to the wind; p. 82, air pressure on birdwing in calm air, deduced from measurements in the wind; pp. 83-90, experiments with curved surfaces in the wind; p. 85, ["Sprat's experiments" in margin]; pp. 86-91, possibility of sailing flight; pp. 94-95, the bird as a model; p. 108, calculating work required for flight; p. 126, remarks on equilibrium.

Plates included at the end have lineations throughout.

Loening, Grover Cleveland. *Military Aeroplanes; An Explanatory Consideration of Their Characteristics, Performances, Construction, Maintenance, and Operation, for the Use of Aviators*. 8th ed. Boston: W.S. Best Printing Company, 1918, 182pp. Call number TL670 .L55 1918b.

Lusk, Hilton F. *A General Text on Aeronautics: Fundamentals and Their Application*. New York: The Ronald Press Company, 1932, 420pp.

Maxim, Sir Hiram S. *Artificial and Natural Flight*. London: Whittaker & Co., 1908, xvi + 166pp.

On front endpaper: "To Mr. Wilbur Wright with the Compliments of the author. Hiram S. Maxim."

McCurdy, Edward. *Leonardo Da Vinci's Note-Books*. New York: Empire State Book Company, 1923, 289pp.

- Mee, Arthur. *The Broken Dream of Wilbur Wright*. London: Hodder and Stoughton, 1938, 32pp.
- Milbank, Jeremiah. *The First Century of Flight in America; An Introductory Survey*. Princeton, N.J.: Princeton University Press, 1943, 248pp. Call number TL521.M45.
- Miller, Francis Trevelyan. *The World in the Air: The Story of Flying in Pictures*. vol. 1-2. New York: Putnam, 1930. Call numbers TL515. M45 v.1 and TL515. M45 v.2.
- Moedebeck, Hermann W. L. *Pocket-Book of Aeronautics*. W. Mansergh Varley, trans. London: Whittaker & Co., 1907, xii + 496 + 4pp. of advertisements bound in at end. Call number TL551.M8.
- Contains article on Wright experiments from 1900-05, pp. 301-07.
- Monteith, Charles N. *Simple Aerodynamics and the Airplane*. Dayton, O.H.: McCook Field, 1925, 383pp.
- Prepared by direction of the Chief of Air Service.
- Morris, Charles Lester. *Pioneering the Helicopter*. New York: McGraw-Hill Book Company, Inc., 1945, 161pp. Call number TL716.M6 1945
- Mouillard, Louis-Pierre. *L'Empire de l'Air. Essai D'Ornithologie. Appliquee A L'Aviation*. Paris: G. Masson, 1881, 284pp. Call number TL575.M6.
- _____. *Le Vol Sans Battement*. Paris: Librairie Aeronautique, 1912, 484pp. + 3 plates on foldout facing p. 480. Call number TL545M7.
- Marginal lineations on pp. 7, 74, 78, 82, 84, and 93, regarding Octave Chanute. Autographed by Orville Wright.
- Mowbray, Jay Henry. *Conquest of the Air By Airships and Other Flying Machines*. Philadelphia: National Pub. Company, 1910, 399pp.
- Peabody, Cecil H. *Propellers*. New York: John Wiley and Sons, 1912, 132pp.
- Penn Mutual Life Insurance Company. *The First Air Voyage in America: The Times, the Place, and the People of the Blanchard Balloon Voyage of January 9, 1793, Philadelphia to Woodbury, Together with a Fac Simile Reprinting of the Journal*

of My Forty-fifth Ascension and the First in America by Jean Pierre Blanchard. Philadelphia: Penn Mutual Life Insurance Company, 1943. Call number TL620. B6 P43.

Peyrey, Francois. *Les Premiers Hommes-Oiseaux. Wilbur et Orville Wright. Edition Nouvelle.* Paris: Henri Guiton, 1909, 154pp. Call number TL540 W714 1909.

Soft-cover, presentation copy signed by author and lineated throughout; plus hardbound copy, with lineations throughout, as well.

Pierce, Robert Morris. *Dictionary of Aviation.* New York: The Baker and Taylor Company, 1911, 267pp.

Pomilio, Ottorino. *Airplane Design and Construction.* New York: McGraw-Hill Book Company, Inc., 1919, xi + 403pp. Call number TL670.P6 1919.

On title page: "To Orville Wright, July 18, 1919. O. Pomilio."

Two copies.

Proceedings of the International Conference on Aerial Navigation. Held in Chicago, August 1, 2, 3 and 4, 1893. New York: The American Engineer and Railroad Journal, 1894, iv + 429pp. Call number TL505.I6 1893.

On title page: "Mr. Wilbur Wright with respects of O. Chanute."

Contains opening address by Octave Chanute, pp. 5-11.

Marginal note in table of contents, "Discussion by Montgomery, pg. 223", regarding reports of the experiments on soaring flight of John J. Montgomery..

Sazerac de Forge, L. *La Conquête de l'Air. Le Problème de la Locomotion Aérienne. Les Dirigeables et l'Aviationleurs Applications.* Paris: Berger-Levrault, et Cie., 1907, vii + 378pp. Call number TL650.S3 1907.

Marginal lineations on pp. 232-3, 240, 242, and 245, regarding the Wright Brothers.

There are two copies, and the marginal lineations differ slightly in each copy.

Simonds, William and Fred L. Black. *From the Ground Up*. Garden City, N.Y.: Doubleday, Doran, & Company, Inc., 1930, 275pp.

Turnor, Christopher Hatton. *Astra Castra; Experiments and Adventures in the Atmosphere*. London: Chapman and Hall, 1865, 503pp. Call number TL515.T95.

Vanier, J. *Dictionary of Aeronautical Terms*. Abridged form. New York: The American Society of Mechanical Engineers, 1929, 141pp.

Von Loessl, Friedrich Ritter. *Die Luftwiderstands-gesetze der Fall durch die Luft und der Vogelflug*. Vienna: Alfred Hölder, 1896, 304pp. Call number TL570.L65 A35.

On title page: "Wilbur Wright with respects O. Chanute."

Vorreiter, Ansbert. *Motor-Flugapparate*. Berlin: Richard Carl Schmidt & Co., 1909, 134pp.

Warren McArthur Corporation. *Four Miles South of Kitty Hawk*. 40th anniversary edition, New York, 1943. Call number TL515 .W35 1943.

Wilson, Eugene E. *Air Power for Peace*. New York: McGraw-Hill Book Company, Inc., 1945, 184pp.

Wise, John. *A System of Aeronautics, Comprehending Its Earliest Investigations, and Modern Practice and Art*. Philadelphia: Joseph A. Speel, 1850, 310pp. Call number TL515.W8.

There are two copies of this book. Marginal lineations are found in the original.

Marginal lineations: pp. 25-6, 29, regarding the flight of Elmerus; p. 60, parachute experiments; p. 96, balloon treatise; pp. 99-100, air currents; p. 186, ballooning at Easton, Pennsylvania; p. 286, balloon rigging; p. 287, balloon inflation and materials; p. 305, small fire-balloons.

Wir Luftschiffer. *Die Entwicklung der Modernen Luftschifftechnik in Einzeldarstellungen*. Berlin and Vienna: Verlag von Ullstein & Co., 1909, 433 + 2pp. of advertisements bound in at end. Call number TL545.B8.

Contains the following information regarding Howard Wright: "Diese Englische Konstrukteur, der trotz der namengleichheit in seinen verwandtschaftlichen

Erhältnis zu den erfolgreichen Amerikanern Gebr. Wright steht, hat einen Flugapparat gebaut der eine Kreuzung zwischen der Konstruktion von Voisin und der der Gebr. Wright darstellt.” p. 317.

Wright V. Curtiss. U.S. District Court, Western District of New York. The Wright Company vs. Herring-Curtiss Company and Glenn H. Curtiss. In Equity, no. 400. Brief and Digest of the Evidence for Complainant on Final Hearing. [Privately bound, 3 volumes, Oct., 1912], 221pp.

Presentation copy to Katharine Wright, from H. A. Toulmin, Jr., Wrights' attorney.

Zahm, Albert Francis. *Aërial Navigation: A Popular Treatise on the Growth of Air Craft and on Aëronautical Meteorology*. New York: D. Appleton and Company, 1911, xvii + 497pp. Call number TL545.Z3.

A copy of Albert Zahm's obituary is tucked in the front of the book.

Marginal lineations [and notes]:

In essay, “Model Flying Machines”, p. 184, regarding William S. Henson; p. 185, regarding John Stringfellow; and p. 188 regarding Alphonse Penaud.

In essay, “Nineteenth Century Man-Flyers”, p. 222, with “Adler first?” in margin, regarding Clément Adler; p. 230, regarding the mounting hostilities between Orville and Zahm. There are numerous marginal lineations; p. 231, regarding Zahm's discussion of slats for lateral stability, and techniques of wing warping and vertical rudder cooperation [with “Borrowed from W. first”, in margin]

In essay, “Aëroplanes of Adequate Stability and Power”: p. 235; p. 237, regarding Hugo Mattullath; pp. 238-9, 241, regarding Samuel Pierpoint Langley; p. 238, “Lie” in margins.

In essay, “Advent of Public Flying”: pp. 259-60, regarding Alberto Santos-Dumont and Henri Farman; p. 265, regarding Lt. Thomas E. Selfridge; pp. 277-82, Ft. Meyer flights of 1908-1909 [accompanied by “funny”, “not so”, and “lie”, in margins; p. 282, “Lie” in margins three times. These lineations show the tensions between Curtiss, the Wright Brothers, and Zahn at this time. For instance, Zahn discusses the Wright Brothers' patent and its broadness. He details how their ‘warping of arched wings’ was already done by Montgomery. Finally,

he discusses the Wright Brothers' injunction against Curtiss and how it was vacated.

In essay, "General Properties of Free Air": p. 349.

In essay, "Thunderstorms, Wind Gusts": pp. 425-7.

Technical Journals

Aero. Vol. I., Nos. 1 (Oct. 8, 1910) - III, 26 (March 30, 1912). 3 bound volumes. St. Louis: Aero Publication Company.

Contains essays, "W. Wright on Altitude and Fancy Flying," (Dec. 17, 1910), and "Wright Glider Hovers for Five Minutes," (Nov. 4, 1911).

Aero and Hydro. [Originally *Aero*, *America's Aviation Weekly*.]

Loose Issues only:

Vol. IV, 2, 4, 8, 14, 16, 19-20, 23, 26 (April 13, 27, May 25, June 1-29, July 6, 20, August 10, 17, Sept. 7, 28, 1912).

Vol. V, 2-9, 23, 25-6 (Oct. 12-26, Nov. 2-30, 1912; March 8, 22, 29, 1913).

Vol. VI, 1, 23 (April 5, Sept. 5, 1913).

Vol. VII, 3-7, 10-11, 18, 21-2 (Oct. 18, Nov. 15, Dec. 6, 13, 1913; Jan. 31, Feb. 21, 28, 1914).

Vol. VIII, 1-2, 6, 14, 16 (April 4, 11, May 9, July 4, 18, 1914).

Aero Club of America Bulletin.

Aeronautical Journal. I, 1 (Jan., 1897) - XXVIII, 168 (Dec., 1924). 13 bound volumes.

Vol. VII, lineations on pp. 4-6 regarding Wright Brothers.

Vol. XIII, lineations on p. 5 regarding Voisins' machine.

Vol. XVI contains Wilbur Wright's obituary, pp. 148-53.

Vol. XX contains Griffith Brewer's "The Life and Works of Wilbur Wright," pp. 68-135, the fourth Wilbur Wright Memorial Lecture of The Aeronautical Society of Great Britain, London, January 6, 1916. Includes reprints of the following articles by Wilbur Wright:

"The Club Discusses Law," *Snap Shots*, Nov. 17, 1894. [periodical published by Wright Brothers]

"Some Aeronautical Experiments," *Journal of the Western Society of Engineers*, VI, 6 (Dec., 1901). with Orville Wright, "The Wright Brothers' Aeroplane," *The Century Magazine*, LXXVI, 3 (Sept., 1908). "What Mouillard Did," *Aero Club of America Bulletin*, I, 3 (April, 1912). "What Clement Ader Did," *Aero Club of America Bulletin*, I, 4 (May, 1912).

The Wilbur Wright Memorial Lectures began in 1913.

Aeronautics. [also called *American Magazine of Aeronautics* until Feb., 1908.] I, 1 (July, 1907) - IX, 12 (Dec., 1911). Two bound volumes.

The volumes contain a variety of articles regarding Wright experiments, records, the Ft. Meyer flights, and the Wright-Curtiss suit.

Marginal lineations in obituary of John J. Montgomery, Nov., 1911, pp. 151-2.

Loose issues:

Vol. I, 1-4 (July-Oct., 1907).

Vol. II, 1, 6 (Jan., June, 1908): #1 contains Capt. Alfred Hildebrandt's essay, "The Wright Brothers' Flying Machine, pp. 13-16: #6 contains Wilbur Wright's essay, "Our Recent Experiments in North Carolina," 4-6, and Byron R. Newton's "Watching the Wright Brothers Fly," 6-10.

Vol. III, 3 (Sept., 1908), contains various articles on Wright activities.

Vol. V, 3, 4 (Sept., Oct., 1909), contain various essays regarding Wright and Curtiss activities. Two copies of each issue.

Vol. IX, 1-4 (Jan.-April, 1912).

Vol. XI, 5 (Nov., 1912).

Vol. XIII, 1, 3 (Jan., March, 1913).

Vol. XIV, 5-7, 9, 11-12 (March 15, 31, April 15, May 15, June 15, 31, August 15, 31, Oct., 15, 30, 1914). Two copies of August issues.

Vol. XV, 8 (Oct. 30, 1914 [issued Feb. 11, 1915]).

Vol. XVI, 1-8 (March 15-June 30, 1915).

Vol. XVII, 1-2 (July 15, 30, 1915).

L'Aérophile. Revue Technique & Pratique des Locomotions Aériennes. II, 2 (Feb., 1903)
- XIX, 24 (Dec., 1911). Five bound volumes.

Page markers and lineations for years 1903-06 regarding drawings of Wright machines, and experiments of Wright Brothers, Ferdinand Ferber, Robert Esnault-Pelterie, and Ernest Archdeacon; same for years 1907-09 regarding articles on Voisin Brothers, Leon De Lagrange, and Louis Bleriot.

Loose issues:

Vol. XX, 1-23 (Jan. 1-Dec., 1, 1912).

Vol. XXI, 6-8, 10 (March 15-April 15, 1913).

Vol. XXII, 3-9, 11, 13-18, 21-4 (Feb. 1-May 1, June 1, July 1-Sept. 15, Nov. 1-Dec. 15, 1914).

Vol. XXIII, 1-10, 13-22 (Jan. 1-May 15, July 1 - Nov. 15, 1915).

Vol. XXIV, 1-8 (Jan. 1-April 15, 1916).

Aircraft. Vol. I, No. 1 (March, 1910) - II, 12 (Feb., 1912). bound volume.

May, 1910, issue contains article by H. A. Toulmin, "Attacks on Wright Brothers Wholly Unjustified," pp. 93-4.

Loose issues:

Vol. III, 2, 6, 9-10, 12 (April, August, Nov.-Dec., 1912; Feb., 1913).

Vol. IV, 7 (Sept., 1913).

Vol. V, 3, 10 (May, Dec., 1914).

Aeronautics. I, 1-6, 8-12 (Oct., 1893-March, 1894; May-Sept., 1894).

Jan., 1894, issue contains continuation of C. W. Hasting's essay, "On the Problem of Aerial Navigation," with marginal lineation on p. 51, regarding the development of a motor.

The American Engineer and Railroad Journal. ["Aeronautics" sections only; bound in with # 63 above.] LXIX, 2, 97-100; 3, 145-8; 4, 193-4; 6, 289-92; 10, 481-4; 11, 484- 94 (Feb.-April, June, Oct., Nov., 1895). Loose issues.

Octave Chanute, assoc. ed.

Aviation. [also called *Aviation and Aeronautical Engineering*.] I, 1 (August 1, 1916) - XVII, 26 (Dec. 29, 1925). 13 bound volumes.

Vol. I is a presentation copy to Orville Wright, signed by Lester D. Gardner, editor.

Vol. II contains Carl H. Britman's discussion of Samuel Pierpont Langley's flying machines, with marginal lineations on p. 527.

Deutsche Luftfahrer-Zeitschrift. XVI, I (Jan. 10, 1912) XVIII, 11 (May 27, 1914). Loose issues.

Biweekly publication.

Deutsche Zeitschrift für Luftschiffahrt. XIII, 1 (Jan. 13, 1909) - XV, 26 (Dec. 27, 1911). Three bound volumes.

Vol. XIII contains articles on Wright Brothers' activities in Europe and America.

Fachzeitung für Automobilismus. III, 11-13, 15, 19 (April 4-18, May 2, 30, 1909). Loose issues.

Articles marked for use in Wright vs. Herring-Curtiss suit.

Flight. I, 1 (Jan. 2, 1909) - III, 52 (Dec. 30, 1911). Three bound volumes.

Numerous articles on Wright Brothers' activities, especially the March 20, 1909 issue.

Loose issues:

Vol. IV, 1-22, 24, 27, 31, 42, 47 (Jan. 6-June 1, June 15, July 6, August 3, Oct. 19, Nov. 23, 1912).

Vol. VI, 11-12, 24-5 (March 15-22, June 12, 19, 1914).

Vol. VII, 18-52 (April 30-Dec. 31, 1915).

Flug und Motor-Technik. Organ des Österreichischen Flugtechnischen Vereines. III, 21 (July 10, 1909) - IV, 8 (Dec. 25, 1910). One bound volume.

Fly. The National Aeronautics Monthly. III, 9-12 (July-Oct., 1912): IV, 2-6, 9, 12 (Dec., 1911-April, 1912; July, Oct., 1912); V, 1, 8 (Nov., 1912; June, 1913). Loose issues only.

Multiple copies of III, 9-12.

Flying; An Aeronautical Digest. [known as *Aero Club Of America Bulletin*, prior to Oct., 1912] I, 1 (Jan., 1912) - IV, 11 (Dec., 1915). Two bound volumes. Call number TL501.F7 1912.

Contents:

Vol. I, 2: military number containing article, "Evolution of the Military Aeroplane," pp. 3-7, noting Wright military biplane, p. 4.

Vol. I, 3: contains Wilbur Wright's essay, "What Mouillard Did," pp. 3-4.

Vol. I, 4: contains Wilbur Wright's essay, "What Clement Ader Did," pp. 17-19.

Vol. I, 8: contains Wilbur Wright's essay, "Otto Lilienthal," pp. 20-1.

Vol. II, 11: contains Orville Wright's essay, "How We Made the First Flight," pp. 10-12, 35-6.

Vol. IV, 7: contains Orville Wright's essay, "The United States Needs 2,000 Aeroplanes," p. 618.

Loose issues:

Vol. I, 2, 8 (Feb.-March, Sept., 1912).

Vol. II, 11 (Dec., 1913).

Vol. V, 2, 7-9, 11 (March, August-Oct., Dec., 1916).

Vol. VI, 2, 4, 9-11 (March, May, Oct.-Dec., 1917).

Illustrierte Aeroneutische Mitteilungen. Deutsche Zeitschrift für Luft-Schiffahrt. XIII, 1 (Jan. 13, 1909) - XV, 26 (Dec. 27, 1911). 3 bound volumes. Call numbers TL503.D4 1905-05 and TL503.D4 1906-07. The third volume does not have a call number slip.

Contains numerous articles on Wright Brothers' activities, especially issues of March, 1904-Oct., 1905; Jan., 1906; August-Nov., 1908.

Loose issues:

Vol. IX, 3 (March, 1905).

Vol. XII, 2, 14-16 (Jan. 18, July 15-Dec. 30, 1908).

Österreichische Flug-Zeitschrift. Vol. I, Book 1-24 (Jan. 10- Dec. 25, 1911). One bound volume.

Loose issues:

Vol. V, 8 (April 25, 1911).

Vol. VI, 1-2 (Jan. 10, 25, 1912).

Vol. VII, 4-5, 7-24 (Feb. 25-March 10, April 10-Dec. 15, 1913).

Vol. VIII, 1-10, 12-15, 20-4 (Jan. 15-May 25, June 25- August 10, Nov. 1-Dec. 31, 1914).

Vol. IX, 3-20 (Feb.-Oct., 1915).

Technische Berichte. Herausgegeben von der Flugzeugmeisterei der Inspektion der Fliegertruppen. Book I, Vol. 1 (March 15, 1917) - III, 7 (August 1, 1918). Three bound volumes.

Printed index of contents and symbols prepared by the technical staff of the National Advisory Committee for Aeronautics, 1920.

U.S. Air Service. Vol. I, No. 1 (Feb., 1919) - IX, 12 (Dec., 1924). Six bound volumes.

Contents:

Vol. VI, No. 5 (Dec. 1921): Article by Orville Wright, "The Airplane Eighteen Years Hence," p. 8.

Vol. VII, No. 11 (Dec. 1922): Article by Orville Wright, "Possibilities of Soaring Flight", pp. 7-9.

Vol. VIII, No. 12 (Dec. 1923): Article by Wilbur and Orville Wright, "The Wright Brothers' Airplane," pp. 27-32.

Loose issues:

Vol. X, No. 1 (Jan 1925) – XXXIII, 10 (Oct. 1948); XXXIV, 4 (April 1949) – XXXVI, 7 (July 1951).

Contents:

Vol. XIII, No. 3 (March 1928): Contains Orville Wright's essay, "Why the 1903 Wright Airplane is Sent to a British Museum," related to the Wright-Smithsonian controversy, pp. 30-1.

Vol. 4, (April 1928): Contains Orville Wright's essay, "An Independent Investigation Should Decide," related to the Wright-Smithsonian controversy, p. 27.

Vol. 12 (Dec. 1928): Contains an essay by Orville and Wilbur Wright, "The World's First 160 Flights" (first reported in 1906 to the Aero Club of America).

Vol. XXII, No. 12 (Dec. 1937): Contains Orville Wright's essay, "How We Made the First Flight", pp. 10-13.

Vol. XXIII, No.1 (Jan. 1938): Contains news articles, "Orville Wright Foresees Great Progress in Next Decade", p. 15.

5 (May 1938): Contains editorial and articles on Wright Brothers.

Vol. XXIV, No. 7 (July 1939): Contains editorial on Wright Brothers' wind tunnel, which had not been discussed in print before.

8 (August 1939): Contains editorial and article on the 1909 Ft. Meyer flight.

10 (Oct. 1939): Contains article, "Wilbur Wright Pays Grant's Tomb a Flying Visit", on the Hudson river flight, Oct. 4, 1909. Includes photograph.

Vol. XXV, No. 9 (Sept. 1940): Contains news article on the dedication of Wright Hill, Dayton, Ohio.

Vol. XXVI, No. 11 (Nov. 1942): Contains article by Charles G. Abbot, "Smithsonian Admits Wright Brothers were Inventors of the Airplane", pp. 12-15.

Vol. XXVIII, No. 1 (Jan. 1943): Contains article, "39th Anniversary of World's First Flight", p. 19.

6 (June 1943): Contains review of Fred. C. Kelly's biography, p. 13.

12 (Dec. 1943): A Wright Brothers commemorative issue, including excerpts from the 1900-03 Kitty Hawk letters.

Vol. XXX, No. 9 (August 1945): Contains article "The Mythical Whitehead Flight", regarding Gustave Whitehead's 'first flight', August 14, 1901, reported in the *Bridgeport [Conn.] Herald*, August 18, 1901.

Vol. XXXIII, No. 2 (Feb. 1948): Contains Orville Wright's obituary, pp. 5-8.

Wiener Luftschiffer-Zeitung Unabhängiges Fachblatt für Luftschiffahrt und Fliegekunst.
V, 12 (Dec., 1906) - X, 1 (Jan., 1911). One bound volume. Call number
TL503.W5

Indexed articles on Wright Brothers.

Zeitschrift für Flugtechnik und Motorluftschiffahrt. Vol. I, No. 1 (Jan. 31, 1910) - II, 24 (Dec. 30, 1911). One bound volume. Call number TL503.Z4 vols. 1-5.

Indexed illustrations of Wright machinery.`

Loose issues:

Vol. I, No. 1 (Jan. 31, 1910) – (Dec. 30, 1914).

The Pamphlet Collection

Government Documents, British

- 1 Advisory Committee for Aeronautics. *Advisory Committee for Aeronautics*.
London: Stationery Office, 1911-13.
 - a) *Reports and Memoranda*: 43, 45, May, 1911; 59, Nov., 1911; 47, Feb., 1912; 49-58, 60-5, March, 1912.
 - b) *Abstracts of Papers and References*: Pamphlets XIII-XVIII, for material of 1911-12; Abstracts 114-57.
- 2 _____. *Technical Report of the Advisory Committee for Aeronautics for the Year 1910-11 with Appendices*. London: Stationery Office, 1911, 134pp.
- 3 Davy, M[aurice] J[ohn] B[ernard]. *Aeronautics. Handbook of the Collections Illustrating...Lighter-than-air Craft*. London: Stationery Office, 1934, 112pp.
- 4 _____. . . . *the Propulsion of Aircraft*. London: Stationery Office, 1930, 104pp.
- 5 Hoff, Wilhelm. *Lecture on the Rhön Soaring Flight Competition, 1921*. National Advisory Committee for Aeronautics, June, 1922, 26pp.
- 6 The Science Museum. *Catalogue of the Mechanical Engineering Collection in the Science Museum, South Kensington with Descriptive and Historical Notes*. London: Stationery Office, 1919, 480pp.
- 7 _____. *Supplement Containing Illustrations of Catalogue of the Mechanical Engineering Collection in the Science Museum, South Kensington*. 6th ed. Part I. London: Stationery Office, 1919, 12 plates.

- 8 _____ . *The Science Museum, South Kensington*. Board of Education. London: Stationery Office, 1923.

A guide to the museum that received the 1903 Wright airplane.

Government Documents, United States

- 9 House of Representatives. *Aeronautics in the Army: Hearings Before the Committee on Military Affairs, House of Representatives, 63rd Congress, August 12, 14-16, 1913, First Session*. Washington, D.C.: Government Printing Office, 1913, 267pp.
- 10 _____ . Fish, Frederick P. *Letters Patent in Relation to Modern Industrial Conditions. 63rd Congress, 1st Session, House Document 225*. Washington, D.C.: Government Printing Office, 1913, 25pp.
- 11 _____ . *Pooling of Patents. Hearings Before the Committee on Patents, House of Representatives, 74th Congress, 1st Session, Feb. 11, 14, 20, 25, 28, March 7, 1935*. Washington, D.C.: Government Printing Office, 1935, 245pp.

Marginal lineations, pp. 60, 1-3; PP. 15-17, Wright Brothers' patent (1906); p. 18, Wright Brothers credited for first flight in the United States; p. 19, airplanes manufactured by United States versus other countries; p. 81, reasoning behind why James Martin refused to become involved in the making of DH-4s for warfare.

Plus a second unmarked copy.

- 12 _____ . Sharp, William G. *Aerial Navigation. Speech of Hon. W. G. Sharp of Ohio in the House of Representatives, August 1, 1912*. Washington, D.C.: Government Printing Office, 1912, pp. 3-14.
- 13 _____ . *Twenty-Fifth Anniversary of the First Airplane Flight. Proceedings Held at Kitty Hawk, N.C., on Dec. 17, 1928, in Commemoration of the 25th Anniversary of the First Flight of an Airplane Made by Wilbur and Orville Wright. 70th Congress, 2d Session, House Document No. 520*. Washington, D.C.: Government Printing Office, 1929, 30pp.

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14 Patent Office. Hagelin, Boris, C. W. *Patent 2,089,603 - Cipherring Machine Patented August 10, 1937*. 8pp.

15 _____. Hagelin, Boris C. W. *Patent 2,247,170 - Cipherring Machine Patented, June 24, 1941*. 17pp.

16 _____. *The German Patent Law, 1913*. Washington, D.C.: Government Printing Office, 1914, 55pp.

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Marginal lineations throughout, plus 3 uncut copies.

18 _____. Abbot, Charles G. *The 1914 Tests of the Langley "Aerodrome"*. Smithsonian Miscellaneous Collections, Vol. 103, No. 8. Washington, D.C.: Smithsonian Institution, 1942, 8pp.

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19 _____. Abbot, Charles G. *Samuel Pierpont Langley*. Smithsonian Miscellaneous Collections, Vol. 92, No. 8. Washington, D.C.: Smithsonian Institution, 1934, 57pp.

20 _____ *An Account of the Exercises on the Occasion of the Presentation of the Langley Medal and Unveiling of the Langley Memorial Tablet, May 6, 1913, including the Addresses of Dr. Alexander Graham Bell, His Excellency, The French Ambassador, Mons. J.J. Jusserand, Dr. John A. Brashear, and Secretary Walcott*. Washington, D.C.: Smithsonian Institution, 1913, 26pp.

21 _____. *Brief Guide to the Smithsonian Institution. 2d ed.* Washington, D.C.: Smithsonian Institution, 1936. Tour guide for Orville Wright's visit, May 19, 1936.

Tour guide for Orville Wright's visit, May 19, 1936.

22 _____. Chanute, Octave. *Samuel Pierpoint Langley: Secretary of the Smithsonian Institution, 1887-1906. Memorial Meeting, December 3, 1906*. Vol. XLIX. Washington, D.C.: Smithsonian Institution, 1907, 49pp.

- 23 _____ . *Charles Doolittle Walcott, Secretary of the Smithsonian Institution, 1907-1927. Memorial Meeting, Jan. 24, 1928.* Smithsonian Miscellaneous Collections, Vol. 80, No. 12. Washington, D.C.: Smithsonian Institution, 1928, 37pp.
- 24 _____ . *Count Von Zeppelin's Dirigible Air Ship. From the Smithsonian Report for 1899, pages 563-565.* Washington, D.C.: Government Printing Office, 1901, 3pp.
- 25 _____ . Curtis, Thomas E. *The Zeppelin Air Ship. From the Smithsonian Report for 1900, pages 217-222.* Washington, D.C.: Government Printing Office, 1901, 6pp.
- 26 _____ . *Handbook of the National Aircraft Collection Exhibited in the United States National Museum. 4th ed.* Washington, D.C.: Smithsonian Institution, 1932, 32pp.
- Marginal lineations and corrections throughout.
- 27 _____ . Huffaker, E. C. *On Soaring Flight: with an Introduction by S. P. Langley. From the Smithsonian Report for 1897, pp. 183-206.* Washington, D.C.: Government Printing Office, 1898.
- Marginal lineations, pp. 192-201.
- 28 _____ . Hunsaker, J.C., E. Buckingham, H.E. Rossell, D.W. Douglas, C.L. Brand, and E.B. Wilson, *Reports on Wind Tunnel Experiments in Aerodynamics.* Smithsonian Miscellaneous Collections, Vol. 62, No. 4. Washington, D.C. Smithsonian Institution, 1916, 92pp.
- 29 _____ . Janssen, J. *The Progress of Aeronautics. From the Smithsonian Report for 1900, pp. 187-193.* Washington, D.C.: Government Printing Office, 1901.
- 30 _____ . Langley, Samuel P[ierpont]. *The Greatest Flying Creature. From the Smithsonian Report for 1901, pp. 649-59.* Washington, D.C.: Government Printing Office, 1902.
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- 32 _____ . Langley, Samuel P[ierpont]. *Story of Experiments in Mechanical Flight. From the Smithsonian Report for 1897, pp. 169-81*. Washington, D.C.: Government Printing Office, 1898.

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- 34 _____ Randers-Pehrson, N. H. *Pioneer Wind Tunnels*. Smithsonian Miscellaneous Collections, Vol. 93, No. 4. Washington, D.C.: Smithsonian Institution, 1935, 20pp.

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- 36 U.S. Weather Bureau. Marvin, C.F. *A Monograph on the Mechanics and Equilibrium of Kites*. Washington, D.C.: U.S. Weather Bureau, 1897, 71pp.

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- 37 Aero Club of America. *Resolution of March 12, 1906, Commemorating the First Flight of Wilbur and Orville Wright*. New York: Aero Club, 1906, 2pp.

Four copies of the above.

- 38 Aero Club of America. *Aero Club of America, 1907*. New York: Aero Club, 1907, 35pp. Call number TL501 .A26 1911

- 39 Aero-Club de France. *Annuaire Pour 1910*. Paris: Aero-Club de France, 1910.

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- 41 _____ . Cox, H. Roxbee. *Looking Forward: Prolegomena for a Detailed Study of the Future of British Civil Aviation. The 1940 (28th) Wilbur Wright Memorial Lecture*. London: The Aeronautical Society, 1940, 73pp.

Proof copy.

42 _____ . Trippe, Juan T. Ocean Air Transport. *The 29th Wilbur Wright Memorial Lecture Delivered Before the Aeronautical Society, London, June 17, 1941*. [London: The Aeronautical Society, 1941], 36pp.

43 _____ . Warner, Edward P. *Post-War Transport Aircraft. The 1943 (31st) Wilbur Wright Memorial Lecture*. [London: The Aeronautical Society, 1943], 68pp.

Proof copy inscribed: "To Dr. Orville Wright with whom it all began. Edward Warner, June 1943."

44 *The Aeronautical World*, Vol. I, No. 8 (March 1, 1903).

45 American Society of Mechanical Engineers. *The Official Program of the Fiftieth Anniversary Celebration of the American Society of Mechanical Engineers*. April, 1930. 112pp.

46 _____ . Moss, Sanford A. *The Impact Tube. Presented at the Annual Meeting of the American Society of Mechanical Engineers, New York, December 5-8, 1916*. 37pp.

47 _____ . Squier, George. *The Present State of Military Aëronautics. Paper presented to the American Society of Mechanical Engineers, New York, December, 1908*. Pp. 1571- 1644 + 23 plates.

Marginal lineations on pp. 1573, 1602, and 1610.

48 Association Amicale des Pilotes Aviateurs d'Avant-Guerre. *Annuaire 1924*, Paris: The Aero-Sports, 1924, 72pp.

49 Baekeland, L. H. "Comments on the Report of the Investigation of the United States Patent Office," [reprinted from] *Metallurgical and Chemical Engineering*, Vol. XI (May, 1913), pp. 249-60ff.

Marginal lineations throughout.

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- 51 _____ . "The Engineer: Human and Superior Direction of Power," [reprinted from] *Science*, N.S., LIV, 1401 (Nov. 4, 1921), pp. 417-24.
- 52 _____ . "Protection of Intellectual Property," [reprinted from] *Journal of Industrial and Engineering Chemistry*, IV, 1 (Jan., 1912), pp. 244-53.
- 53 *Ballooning and Aeronautics*, I, 1-2 (Jan.-Feb., 1907).
- 54 Brewer, Griffith, "The Life and Works of Wilbur Wright," [reprinted from] *Aeronautical Journal*, XX, 79 (July-Sept., 1916), pp. 68-135.
- 55 Chanute, Octave, "Aerial Navigation," [reprinted from] *Popular Science Monthly* (March, 1904), pp. 385-93.
- Marginal lineation on p. 391.
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- 57 _____ . "The Revelation at Ft. Meyer," [reprinted from] *The American Aeronaut* (Sept., 1909), pp. 80-6.
- 58 The Edison Institute of Technology. *A Dinner in Honor of Thomas Alva Edison Upon the Occasion of the Fiftieth Anniversary of his Invention of the Electric Light and of the Dedication of the Edison Institute of Technology. October, 1929.* Greenfield, Mich., 1929, 6pp. [uncut]
- Newspaper clippings included regarding Thomas Edison.
- 59 Institut Aérodynamique de Koutchino. *Bulletin de L'Institut Aérodynamique de Koutchino. Fascicule I.* St. Pétersbourg: Institut Aérodynamique, 1906, 108pp. *Fascicule II.* Moscow: . . . , 1909, 127pp.
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- 61 Institute of the Aeronautical Sciences. Randers-Pehrson, N. H., and A. G. Renstrom. *Aeronautic Americana. A Bibliography of Books and Pamphlets on*

- Aeronautics Published in America before 1900*. New York: Institute of the Aeronautical Sciences, 1943, 40pp.
- 62 Institution of Automobile Engineers. Hele-Shaw, H. S. *Aerial Automobolism. Presidential Address to be Read on Wednesday, October 13, 1909, at the Institution of Mechanical Engineers*. London: Institution of Automobile Engineers, 1909, 21pp.
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- 65 Jones, Franklin D. "The Wilt Process of Twist Drill Manufacture," reprinted from] *Machinery* (July, 1918), 7pp.
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- 66 *Journal of the Western Society of Engineers*, Vol. VI, No. 5 (Oct., 1901).
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- 68 Kaempffert, Waldemar. "The Museum of Science and Industry Founded by Julius Rosenwald. An Institution to Reveal the Technical Ascent of Man," [reprinted from] *Scientific Monthly*, XXVIII, 6 (June, 1929), pp. 481-98.
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- 69 Lewis, George W. "Some Modern Methods of Research in the Problems of Flight. The 1939 (27th) Wilbur Wright Memorial Lecture," [proof copy from] *Aeronautical Journal* (Oct., 1939), 30pp.

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