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National Air and Space Museum

The Curtiss-Wright Corporation Archives - Patent Files Finding Aid

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Table of Contents

Collection Overview	
Administrative Information	1
Historical Note	2
Scope and Contents	2
Arrangement	2
Names and Subjects	
Container Listing	
Series 1: Patents, 1911-1939	4
Series 2: Patent File Wrappers, 1916-1930	38
Series 3: Patent Litigation, 1916-1947	39
Series 4: Curtiss-Wright Corporation Records, 1906-1945	42

Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Curtiss-Wright Corporation Records - Patent Files
Date:	1906-1947
Identifier:	NASM.1987.0029
Creator:	Curtiss Aeroplane and Motor Company
Extent:	9 Cubic feet (18 document boxes)
Language:	English .
Summary:	The years before World War I were spent in patent litigation for aviation pioneers Glenn Curtiss and Orville and Wilbur Wright.

Administrative Information

Acquisition Information

Curtiss-Wright Corporation, gift, 1987.

Processing Information

Researchers may wish to consult other collections in the NASM Archives:

Curtiss-Wright Corporation Records, Acc. XXXX-0067. This collection includes reports and technical reports from various Curtiss-Wright divisions, legal documents, corporate and financial records, drawings and blueprints. There are additional patent certificates and related materials.

Clement Melville Keys Papers, Acc. XXXX- 0091. Clement Melville Keys (1876-1952) was a financier and corporate organizer who headed the Curtiss group of companies during the merger that formed Curtiss-Wright.

Preferred Citation

Curtiss-Wright Corporation Archives - Patent Files, Acc. 1987-0029, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access.

Conditions Governing Use

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Historical Note

The years before World War I were spent in patent litigation for aviation pioneers Glenn Curtiss and Orville and Wilbur Wright. The Wright brothers claimed wing warping patents and sought to prevent Curtiss and others from manufacturing and selling aircraft and products based on these patents. During World War I, the aircraft manufacturing industry set up the Manufacturer's Aircraft Association, a patent pool in which all participants were allowed to use any patents to build aircraft for the war effort. After the war, Wright Aeronautical Corporation and the Curtiss Aeroplane and Motor Company continued to be major players in the aircraft industry, long after Curtiss and the Wrights ended association with their namesakes.

In 1929, the Curtiss Aeroplane and Motor Company merged with the Wright Aeronautical Corporation to form the Curtiss-Wright Corporation. After the merger, responsibility for engine and propeller manufacture was consolidated under the Wright name while Curtiss concentrated on airplanes. Although the two companies were merged by name and under the direction of a corporate headquarters located in New York City, the separation and specialization of the two divisions continued to cause problems for the company. The election of former Wright personnel to key corporate positions soon led to Wright becoming the dominant division. The Great Depression and the collapse of the market for commercial aviation revealed how reliant the aviation industry was on military production. Sales dropped and Curtiss-Wright was forced to close certain satellite plants and transfer some of their product lines to the St. Louis facility.

During the U.S. military build-up prior to World War II, existing Curtiss-Wright plants were expanded and new aircraft factories were built to meet the growing production demand. The company failed, however, to plan for the future after the war. In 1946, Curtiss-Wright had only two experimental military models at hand for postwar delivery and no assurance of production orders. Wright Aeronautical continued to build engines, but was no longer at the forefront of development. The eventual sale of the Airplane Division to North American included design rights to the former Curtiss-Wright airplanes. The Curtiss-Wright Airplane Division, which manufactured airframes, finally closed down in 1951.

The Curtiss-Wright Corporation still exists in the 21st century, but has become a diversified technology corporation in various markets, including aviation and defense.

Scope and Contents

The Curtiss-Wright Corporation Archives - Patent Files collection consists primarily of materials relating to patents issued to and maintained by the Curtiss-Wright Corporation and its subsidiaries from the 1910s to the 1950s, though the bulk of the materials pre-date World War II. The majority of the collection is original patent certificates. Other materials include records of litigation proceedings, correspondence, memoranda, aircraft drawings and blueprints, reports, sales brochures, meeting minutes, and annual reports.

Arrangement

The collection is arranged in four series: Patents, Patent File Wrappers, Patent Litigation, and Curtiss-Wright Corporation Records. Series I contains original patents and related materials issued or assigned to the Curtiss-Wright Corporation and related organizations. Covering the years between 1911 and 1939, the series is further divided into two subseries: United States Patents and International Patents. Series II consists of file wrappers prepared by the United States Patent Office, containing a complete record of the patent's history. The third series includes materials from Curtiss-Wright's numerous litigation proceedings in defense of its patents. The fourth series contains business records created by the Curtiss-Wright Corporation including photocopies of historic patent and stock documents, division minutes, and reports for the U.S. Navy Department.

Series I - Patents, 1911-1939
Subseries I - United States Patents, 1911-1939
Subseries II - International Patents, 1916-1935
Series II - Patent File Wrappers, 1916-1930
Series III - Patent Litigation, 1916-1947
Series IV - Curtiss-Wright Corporation Records, 1906-1945

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Aeronautics
- Aeronautics, Commercial -- United States
- Aircraft industry
- Patent suits

Types of Materials:

- Drawings
- Financial records

Names:

- Aerial Experiment Association
- Bell, Alexander Graham, 1847-1922
- Curtiss, Glenn Hammond, 1878-1930
- Curtiss-Wright Corporation
- Herring, Augustus Moore, 1867-1926
- Herring-Curtiss Co.

Container Listing

Series 1: Patents, 1911-1939

14 Boxes

Scope and Contents: According to the United States Patent and Trademark Office, a patent is an exclusive right granted by a government to an inventor to manufacture, use, or sell an invention for a certain number of years. This series consists of patents issued to inventors associated with or with rights assigned to the Curtiss-Wright Corporation and related organizations. The series is divided into two subseries: United States Patents, 1911-1939, and International Patents, 1916-1935.

Subseries 1.1: United States Patents, 1911-1939

Scope and Contents: This subseries consists of patents issued by the United States government. There are two types of US patents, a design patent and a utility patent. A design patent refers to the visual ornamental characteristics embodied in, or applied to, an article of manufacture. A utility patent protects useful processes, machines, articles of manufacture, and compositions of matter. 1 Materials in the series consist of the actual certificates issued, official reprints by the Government Printing Office, and related materials. Patent certificates issued before May 1922 hold the original signature of the Commissioner of Patents. After this time, all patent certificates were rubber-stamped. Materials are organized by patent number; the first five patents are design patents and the rest of the patents are utility patents.

1 United States Patent and Trademark Office, "Patents Guidance, Tools & Manuals," <http://www.uspto.gov/patents/resources/types/index.jsp>, accessed August 8, 2010.

Box 1, Folder 1	Design Patent No. 50585, Samuel T. Payne and John P. Tarbox, Nameplate, 4/10/1917
Box 1, Folder 2	Design Patent No. 50714, Nelson W. Dalton, Aeroplane body, 5/8/1917
Box 1, Folder 3	Design Patent No. 52847, Charles G. MacGregor and Henry Kleckler, Hydroaeroplane pontoon, 1/7/1919
Box 1, Folder 4	Design Patent No. 53882, William Starling Burgess, Hydroaeroplane pontoon, 10/7/1919
Box 1, Folder 5	Design Patent No. 55504, Glenn H. Curtiss, Aeroplane, 6/22/1920
Box 1, Folder 6	Patent No. 1010842, Frederick W. Baldwin, Flying machines, 12/5/1911
Box 1, Folder 7	Patent No. 1027242, Glenn H. Curtiss, Means for launching flying machines, 5/21/1912
Box 1, Folder 8	Patent No. 1085575, Glenn H. Curtiss, Control mechanism for flying machines and the like, 1/27/1914
Box 1, Folder 9	Patent No. 1104036, Glenn H. Curtiss, Flying machines, 7/21/1914

Box 1, Folder 10	Patent No. 1108490, Glenn H. Curtiss, Flying machines, 8/25/1914
Box 1, Folder 11	Patent No. 1156215, Glenn H. Curtiss, Heavier than air flying machines, 10/12/1915
Box 1, Folder 12	Patent No. 1170965, Glenn H. Curtiss, Hydroaeroplanes, 2/8/1916
Box 1, Folder 13	Patent No. 1195142, Henry Kleckler, Fuselage for aeroplanes, 8/15/1916
Box 1, Folder 14	Patent No. 1197746, Henry Kleckler, Hydroplane wing pontoons, 9/12/1916
Box 1, Folder 15	Patent No. 1204380, Glenn H. Curtiss, Flying machines, 11/7/1916
Box 1, Folder 16	Patent No. 1210373, Glenn H. Curtiss, Exhaust heaters for air inlets, 12/26/1916
Box 1, Folder 17	Patent No. 1210374, Glenn H. Curtiss, Hulls for flying boats, 12/26/1916
Box 1, Folder 18	Patent No. 1210379, Henry Kleckler, Aileron systems, 12/26/1916
Box 1, Folder 19	Patent No. 1223298, John P. Tarbox, Spoke stays, 4/17/1917
Box 1, Folder 20	Patent No. 1223315, Glenn H. Curtiss, Landing gears for aircraft, 4/17/1917
Box 1, Folder 21	Patent No. 1223316, Glenn H. Curtiss, Multiple control systems for prime movers, 4/17/1917
Box 1, Folder 22	Patent No. 1223317, Glenn H. Curtiss, Folding wing aeroplanes, 4/17/1917
Box 1, Folder 23	Patent No. 1223318, Glenn H. Curtiss, Boat hulls, 4/17/1917
Box 1, Folder 24	Patent No. 1223319, Glenn H. Curtiss, Flying boat hulls, 4/17/1917
Box 1, Folder 25	Patent No. 1223320, Glenn H. Curtiss and John P. Tarbox, Multiple step flying boats, 4/17/1917
Box 1, Folder 26	Patent No. 1223321, Glenn H. Curtiss, Propellers, 4/17/1917
Box 1, Folder 27	Patent No. 1228375, John P. Tarbox and Henry Kleckler, Universal wing post sockets, 5/29/1917
Box 1, Folder 28	Patent No. 1228380, Glenn H. Curtiss, Methods and systems for operating rudders of aircraft, 5/29/1917
Box 1, Folder 29	Patent No. 1228381, Glenn H. Curtiss, Hydroaero machines, 5/29/1917
Box 1, Folder 30	Patent No. 1228382, Glenn H. Curtiss, Flying machines, 5/29/1917

Box 1, Folder 31	Patent No. 1246010, William Starling Burgess, Inherently stable flying boats, 11/6/1917
Box 1, Folder 32	Patent No. 1246011, Glenn H. Curtiss, Flying boats, 11/6/1917
Box 1, Folder 33	Patent No. 1246012, Glenn H. Curtiss, Flying boats, 11/6/1917
Box 1, Folder 34	Patent No. 1246013, Glenn H. Curtiss and Henry Kleckler, Balancing systems for aircraft, 11/6/1917
Box 1, Folder 35	Patent No. 1246014, Glenn H. Curtiss, Hydroplane boats, 11/6/1917
Box 1, Folder 36	Patent No. 1246015, Glenn H. Curtiss, Aeroplanes, 11/6/1917
Box 1, Folder 37	Patent No. 1246016, Glenn H Curtiss, Flying boats, 11/6/1917
Box 1, Folder 38	Patent No. 1246017, Glenn H. Curtiss, Boat type wing pontoons, 11/6/1917
Box 1, Folder 39	Patent No. 1246018, Glenn H. Curtiss, Draft systems for flying boats, 11/6/1917
Box 1, Folder 40	Patent No. 1246019, Glenn H. Curtiss, Flying boat hulls, 11/6/1917
Box 1, Folder 41	Patent No. 1246020, Glenn H. Curtiss, Landing gear for aircraft, 11/6/1917
Box 1, Folder 42	Patent No. 1246021, Nelson W. Dalton, Streamlined shock absorbers, 11/6/1917
Box 1, Folder 43	Patent No. 1246022, Nelson W. Dalton, Aeroplane motor supports, 11/6/1917
Box 1, Folder 44	Patent No. 1246023, Charles B. Kirkham, Aerial propeller fastenings, 11/6/1917
Box 2, Folder 1	Patent No. 1246024, Henry Kleckler, Aeroplane furniture, 11/6/1917
Box 2, Folder 2	Patent No. 1246025, Henry Kleckler, Dual interlocking controls, 11/6/1917
Box 2, Folder 3	Patent No. 1246026, Henry Kleckler, Tail skid clips, 11/6/1917
Box 2, Folder 4	Patent No. 1246027, Henry Kleckler, Aeroplane control surfaces, 11/6/1917
Box 2, Folder 5	Patent No. 1246028, Henry Kleckler, Aeroplane wing hinges, 11/6/1917
Box 2, Folder 6	Patent No. 1246029, Albert F. Zahm, Processes of solidifying and toughening the hub portion of aerial propellers and the like, 11/6/1917
Box 2, Folder 7	Patent No. 1256878, Glenn H. Curtiss, Hydroaeroplane boats, 2/19/1918
Box 2, Folder 8	Patent No. 1269397, Glenn H. Curtiss, Hydroaeroplane pontoons, 6/11/1918

Box 2, Folder 9	Patent No. 1269570, Glenn H. Curtiss, Convertible running gear, 6/11/1918
Box 2, Folder 10	Patent No. 1271386, John P. Tarbox, Assembly forms for aeroplane wings, 7/2/1918
Box 2, Folder 11	Patent No. 1280760, Charles B. Kirkham, Internal combustion engines, 10/8/1918
Box 2, Folder 12	Patent No. 1283529, Henry Kleckler, Fan pumps, 11/5/1918
Box 2, Folder 13	Patent No. 1283684, Glenn H. Curtiss, Flying boat cruisers, 11/5/1918
Box 2, Folder 14	Patent No. 1283803, Charles B. Kirkham, Crank case main bearings, 11/5/1918
Box 2, Folder 15	Patent No. 1284250, Glenn H. Curtiss, Valve operating systems, 11/12/1918
Box 2, Folder 16	Patent No. 1284906, Henry Kleckler, Hydro landing bases for aircraft, 11/12/1918
Box 2, Folder 17	Patent No. 1284907, Henry Kleckler, Landing gear for aircraft, 11/12/1918
Box 2, Folder 18	Patent No. 1285021, William Starling Burgess, Aeroplane wing construction, 11/19/1918
Box 2, Folder 19	Patent No. 1285229, Henry Kleckler and Charles G. MacGregor, Flying boat hulls, 11/19/1918
Box 2, Folder 20	Patent No. 1285230, Henry Kleckler and Charles G. MacGregor, Hydroaeroplane pontoons, 11/19/1918
Box 2, Folder 21	Patent No. 1286345, Charles B. Kirkham, Lubricating systems, 12/3/1918
Box 2, Folder 22	Patent No. 1287249, Glenn H. Curtiss, Tilting wing flying boats, 12/10/1918
Box 2, Folder 23	Patent No. 1237339, Charles B. Kirkham, Thrust bearings for aeronautical motors, 12/10/1918
Box 2, Folder 24	Patent No. 1297341, Henry Kleckler, Handling trucks for flying boats, 12/10/1918
Box 2, Folder 25	Patent No. 1289683, Glenn H. Curtiss, Flying boats, 12/31/1918
Box 2, Folder 26	Patent No. 1290000, Albert F. Zahm, Calculators, 12/31/1918
Box 2, Folder 27	Patent No. 1290004, Paul G. Zimmermann, Aeroplane fittings, 12/31/1918
Box 2, Folder 28	Patent No. 1290005, Paul G. Zimmermann, Fuselage covers, 12/31/1918
Box 2, Folder 29	Patent No. 1290102, Nelson W. Dalton, Landing gear construction, 1/7/1919
Box 2, Folder 30	Patent No. 1290235, Henry Kleckler, Triplanes, 1/7/1919

Box 2, Folder 31	Patent No. 1290236, Henry Kleckler, Tail skids for aeroplanes, 1/7/1919
Box 2, Folder 32	Patent No. 1290237, Henry Kleckler, Engine bed mountings, 1/7/1919
Box 2, Folder 33	Patent No. 1290838, Henry Kleckler, Aeroplane construction, 1/7/1919
Box 2, Folder 34	Patent No. 1291678, Henry Kleckler, Wing construction, 1/14/1919
Box 2, Folder 35	Patent No. 1294389, Henry Kleckler, Hydroaero machines, 2/18/1919
Box 2, Folder 36	Patent No. 1294412, Glenn H. Curtiss, Twin fuselage construction, 2/18/1919
Box 2, Folder 37	Patent No. 1294413, Glenn H. Curtiss, Autoplanes, 2/18/1919
Box 2, Folder 38	Patent No. 1294414, Glenn H. Curtiss and William L. Gilmore, Hulls for flying boats, 2/18/1919
Box 2, Folder 39	Patent No. 1294415, Glenn H. Curtiss and William L. Gilmore, Flying boats, 2/18/1919
Box 2, Folder 40	Patent No. 1294474, Charles B. Kirkham, Motor cooling system, 2/18/1919
Box 2, Folder 41	Patent No. 1294475, Charles B. Kirkham, Exhaust manifolds, 2/18/1919
Box 2, Folder 42	Patent No. 1294476, Henry Kleckler, Duplex V-strut landing gear, 2/18/1919
Box 2, Folder 43	Patent No. 1294477, Henry Kleckler, Tail skids for aeroplanes, 2/18/1919
Box 3, Folder 1	Patent No. 1295084, Glenn H. Curtiss, Aeroplane construction, 2/18/1919
Box 3, Folder 2	Patent No. 1296630, Glenn H. Curtiss, Hydroaircraft, 3/11/1919
Box 3, Folder 3	Patent No. 1296667, Henry Kleckler, Wing post sockets, 3/11/1919
Box 3, Folder 4	Patent No. 1296730, Paul G. Zimmermann and Henry Kleckler, Pusher hydroaeroplanes, 3/11/1919
Box 3, Folder 5	Patent No. 1296770, Glenn H. Curtiss, Airplane landing gears, 3/11/1919
Box 3, Folder 6	Patent No. 1296773, Nelson W. Dalton, Convertible control systems, 3/11/1919
Box 3, Folder 7	Patent No. 1296774, Nelson W. Dalton, Magneto cut-off switches, 3/11/1919
Box 3, Folder 8	Patent No. 1296775, Nelson W. Dalton, Aerofoil construction, 3/11/1919
Box 3, Folder 9	Patent No. 1296790, William L. Gilmore and William E. Valk, Jr., Radiators for aeroplanes, 3/11/1919

Box 3, Folder 10	Patent No. 1296876, John P. Tarbox, Skid structures for hydroaircraft, 3/11/1919
Box 3, Folder 11	Patent No. 1298515, Henry Kleckler, Fuselage clips, 3/25/1919
Box 3, Folder 12	Patent No. 1298516, Henry Kleckler, Aeroplane control bridges, 3/25/1919
Box 3, Folder 13	Patent No. 1298625, Paul G. Zimmermann, Landing gear for aeroplanes, 3/25/1919
Box 3, Folder 14	Patent No. 1306749, Glenn H. Curtiss, Twin-float hydroaeroplanes, 6/17/1919
Box 3, Folder 15	Patent No. 1306750, Glenn H. Curtiss, Aeroplane wing trusses, 6/17/1919
Box 3, Folder 16	Patent No. 1306751, Glenn H. Curtiss, Combination landing gears for aeroplanes, 6/17/1919
Box 3, Folder 17	Patent No. 1306764, Henry Kleckler, Aeroplane wing hinges, 6/17/1919
Box 3, Folder 18	Patent No. 1306765, Henry Kleckler, Landing gears for aircraft, 6/17/1919
Box 3, Folder 19	Patent No. 1310737, William Starling Burgess, Reconnoitering hydro airplanes, 7/22/1919
Box 3, Folder 20	Patent No. 1310764, William G. Mesner, Airplane wire fastenings, 7/22/1919
Box 3, Folder 21	Patent No. 1310913, Clarence A. Kirkham, Motor cylinders, 7/22/1919
Box 3, Folder 22	Patent No. 1310942, Nelson W. Dalton, Airplane wing construction, 7/22/1919
Box 3, Folder 23	Patent No. 1311129, Henry Kleckler, Control systems, 7/22/1919
Box 3, Folder 24	Patent No. 1316244, Thomas Seth Kemble, Magneto testing apparatus, 9/16/1919
Box 3, Folder 25	Patent No. 1316257, Harry B. Snell, Wire bending machines, 9/16/1919
Box 3, Folder 26	Patent No. 1316260, Albert F. Zahm, Vibration measures, 9/16/1919
Box 3, Folder 27	Patent No. 1316277, Glenn H. Curtiss, Cruising hydroaeroplanes, 9/16/1919
Box 3, Folder 28	Patent No. 1316278, Glenn H. Curtiss, Triplane speed scouts, 9/16/1919
Box 3, Folder 29	Patent No. 1316279, Glenn H. Curtiss, Speed scout aeroplanes, 9/16/1919
Box 3, Folder 30	Patent No. 1316280, Glenn H. Curtiss, Folding wing airplanes, 9/16/1919
Box 3, Folder 31	Patent No. 1316281, Nelson W. Dalton, Propeller thrust registers for aircraft, 9/16/1919

Box 3, Folder 32	Patent No. 1316908, Charles Gordon MacGregor, Flying boat hulls, 9/23/1919
Box 3, Folder 33	Patent No. 1323842, Glenn H. Curtiss, Reconnoitering aeroplanes, 12/2/1919
Box 3, Folder 34	Patent No. 1323843, Glenn H. Curtiss, Fuel supply systems, 12/2/1919
Box 3, Folder 35	Patent No. 1323959, William Starling Burgess, Pusher triplanes, 12/2/1919
Box 3, Folder 36	Patent No. 1326008, John P. Tarbox, Turnbuckles, 12/23/1919
Box 3, Folder 37	Patent No. 1326010, Albert F. Zahm, Ailerons of variable aspect ratio, 12/23/1919
Box 3, Folder 38	Patent No. 1326405, Charles B. Kirkham, Air heaters for aeronautical motors, 12/30/1919
Box 3, Folder 39	Patent No. 1329038, Glenn H. Curtiss, Lubricating systems for traveling motors, 1/27/1920
Box 3, Folder 40	Patent No. 1329336, Glenn H. Curtiss, Flying boat hulls, 1/27/1920
Box 3, Folder 41	Patent No. 1329342, Henry Kleckler, Aeroplane constructions, 1/27/1920
Box 3, Folder 42	Patent No. 1336405, Henry Kleckler, Airplanes, 4/6/1920
Box 4, Folder 1	Patent No. 1336406, John P. Tarbox, Convertible multiplanes, 4/6/1920
Box 4, Folder 2	Patent No. 1336632, Henry Kleckler, Aeroplane control mechanism, 4/13/1920
Box 4, Folder 3	Patent No. 1336633, Henry Kleckler, Landing gears for aircraft, 4/13/1920
Box 4, Folder 4	Patent No. 1336634, Henry Kleckler, Flying boats, 4/13/1920
Box 4, Folder 5	Patent No. 1336649, Edward T. Musson, Wire wrapping and winding machines, 4/13/1920
Box 4, Folder 6	Patent No. 1336704, Charles B. Kirkham, Aeronautical motors, 4/13/1920
Box 4, Folder 7	Patent No. 1338310, Charles L. Lawrance, Lubricating systems for high-speed engines, 4/27/1920
Box 4, Folder 8	Patent No. 1349676, Charles B. Kirkham, Lubrication of internal combustion engines, 8/17/1920
Box 4, Folder 9	Patent No. 1349677, Henry Kleckler, Strut fittings, 8/17/1920
Box 4, Folder 10	Patent No. 1351742, Glenn H. Curtiss and Henry Kleckler, Flying boat construction, 9/7/1920

Box 4, Folder 11	Patent No. 1351743, Glenn H. Curtiss, Airplane wing structure trusses, 9/7/1920
Box 4, Folder 12	Patent No. 1351763, Charles B. Kirkham, Aeronautical motors, 9/7/1920
Box 4, Folder 13	Patent No. 1351764, Henry Kleckler, Hoisting connections for airplanes, 9/7/1920
Box 4, Folder 14	Patent No. 1355736, Glenn H. Curtiss, Hydro-aircraft, 10/12/1920
Box 4, Folder 15	Patent No. 1355738, Nelson W. Dalton, Aeroplane-wing structures, 10/12/1920
Box 4, Folder 16	Patent No. 1355741, William L. Gilmore and Joseph F. Meade, Airplane fuselages, 10/12/1920
Box 4, Folder 17	Patent No. 1355767, Joseph F. Meade and Everett Vail Church, Airplane fittings, 10/12/1920
Box 4, Folder 18	Patent No. 1357950, William Starling Burgess, Airplane control surface operating braces, 11/9/1920
Box 4, Folder 19	Patent No. 1357992, Thomas S. Kemble, Exhaust mufflers, 11/9/1920
Box 4, Folder 20	Patent No. 1358527, Glenn H. Curtiss, Tripod flying boats, 11/9/1920
Box 4, Folder 21	Patent No. 1358603, Albert F. Zahm, Hovering aeroplanes, 11/9/1920
Box 4, Folder 22	Patent No. 1358605, Paul G. Zimmermann, Fuselage wiring, 11/9/1920
Box 4, Folder 23	Patent No. 1363793, Charles B. Kirkham, Lubricating pumps, 12/28/1920
Box 4, Folder 24	Patent No. 1363794, Charles B. Kirkham and Arthur L. Thurston, Control mechanism, 12/28/1920
Box 4, Folder 25	Patent No. 1363844, Glenn H. Curtiss, Airplane fittings, 12/28/1920
Box 4, Folder 26	Patent No. 1363845, Glenn H. Curtiss and William L. Gilmore, Hydro-aero machines, 12/28/1920
Box 4, Folder 27	Patent No. 1363847, Nelson W. Dalton, Aeroplanes, 12/28/1920
Box 4, Folder 28	Patent No. 1364425, Clayton Emmett Bedell, Flying boat hulls, 1/4/1921
Box 4, Folder 29	Patent No. 1364431, Carl E. Freund, Airplane wing structures, 1/4/1921
Box 4, Folder 30	Patent No. 1364614, Glenn H. Curtiss, Airplane wing construction, 1/4/1921
Box 4, Folder 31	Patent No. 1368428, William L. Gilmore, Airplane fuselages, 2/15/1921

Box 4, Folder 32	Patent No. 1368439, Thomas Seth Kemble, Exhaust valve springs, 2/15/1921
Box 4, Folder 33	Patent No. 1368542, William Starling Burgess, Longitudinal control systems for aircraft, 2/15/1921
Box 4, Folder 34	Patent No. 1368548, Glenn H. Curtiss, Aileron braking systems, 2/15/1921
Box 4, Folder 35	Patent No. 1368549, Glenn H. Curtiss, Airplane construction, 2/15/1921
Box 4, Folder 36	Patent No. 1368550, Glenn H. Curtiss, Triplanes, 2/15/1921
Box 4, Folder 37	Patent No. 1370692, Charles B. Kirkham, Aeronautical motors, 3/8/1921
Box 4, Folder 38	Patent No. 1370693, Henry Kleckler, Airplane landing gears, 3/8/1921
Box 4, Folder 39	Patent No. 1373408, William Starling Burgess, Pontoon mountings for hydroaeroplanes, 4/5/1921
Box 4, Folder 40	Patent No. 1373432, Charles B. Kirkham, Valve operating mechanism, 4/5/1921
Box 4, Folder 41	Patent No. 1373433, Henry Kleckler, Control columns, 4/5/1921
Box 4, Folder 42	Patent No. 1382387, Clayton L. Roloson, Engine bed supports, 6/21/1921
Box 4, Folder 43	Patent No. 1382421, William L. Gilmore and Joseph F. Meade, Hydroairplane landing gears, 6/21/1921
Box 4, Folder 44	Patent No. 1386787, Charles B. Kirkham, Pumps, 8/9/1921
Box 4, Folder 45	Patent No. 1386841, Joseph G. Coffin, Methods and apparatus for making aerofoils and the like, 8/9/1921
Box 4, Folder 46	Patent No. 1386846, Glenn H. Curtiss and Henry Kleckler, Fuel supply systems for aircraft and similar apparatus, 8/9/1921
Box 4, Folder 47	Patent No. 1392271, Glenn H. Curtiss, Streamline wiring for airplanes, 9/27/1921
Box 4, Folder 48	Patent No. 1392272, Glenn H. Curtiss, Airplane landing gears, 9/27/1921
Box 4, Folder 49	Patent No. 1392276, Charles B. Kirkham, Reduction gearings, 9/27/1921
Box 5, Folder 1	Patent No. 1392277, Charles B. Kirkham and Arthur L. Thurston, Airplane landing gears, 9/27/1921
Box 5, Folder 2	Patent No. 1392278, Charles B. Kirkham and Arthur L. Thurston, Fuselages, 9/27/1921

Box 5, Folder 3	Patent No. 1392279, Henry Kleckler, Flying boat hulls, 9/27/1921
Box 5, Folder 4	Patent No. 1394630, Grover C. Loening, Airplanes, 10/25/1921
Box 5, Folder 5	Patent No. 1394726, William L. Gilmore, Airplane fuselage, 10/25/1921
Box 5, Folder 6	Patent No. 1398194, Charles L. Lawrance, Big end construction for radial motors, 11/22/1921
Box 5, Folder 7	Patent No. 1398315, Ernest Hallewell Cawthra, Fuel supply and regulating systems for aircraft engines, 11/29/1921
Box 5, Folder 8	Patent No. 1398330, Charles B. Kirkham, Radiators for airplanes, 11/29/1921
Box 5, Folder 9	Patent No. 1401934, Albert F. Zahm, Hovering airplanes, 12/27/1921
Box 5, Folder 10	Patent No. 1404617, Charles L. Lawrance, Big end constructions for motors, 1/24/1922
Box 5, Folder 11	Patent No. 1404618, Charles L. Lawrance, Big end constructions for motors, 1/24/1922
Box 5, Folder 12	Patent No. 1404861, Charles B. Kirkham, Lubricating devices for internal combustion engines, 1/31/1922
Box 5, Folder 13	Patent No. 1404920, Albert F. Zahm, Wind tunnel balances, 1/31/1922
Box 5, Folder 14	Patent No. 1405176, Albert F. Zahm, Propeller thrust and torque measures, 1/31/1922
Box 5, Folder 15	Patent No. 1405177, Albert F. Zahm, Systems for testing propellers, 1/31/1922
Box 5, Folder 16	Patent No. 1406575, Joseph F. Meade, Landing gears for aircraft, 2/14/1922
Box 5, Folder 17	Patent No. 1406600, Albert F. Zahm, Propeller hub construction, 2/14/1922
Box 5, Folder 18	Patent No. 1406617, Nelson W. Dalton, Controls for aircraft, 2/14/1922
Box 5, Folder 19	Patent No. 1418131, Glenn H. Curtiss, Motive power systems for aircraft, 5/30/1922
Box 5, Folder 20	Patent No. 1420609, Glenn H. Curtiss, Hydroaeroplanes, 6/20/1922
Box 5, Folder 21	Patent No. 1420610, Glenn H. Curtiss, Method of getting hydroaeroplanes off the water into the air, 6/20/1922
Box 5, Folder 22	Patent No. 1423334, Charles B. Kirkham, Magneto gearing, 7/18/1922

Box 5, Folder 23	Patent No. 1423681, George B. Post, Airplanes, 7/25/1922
Box 5, Folder 24	Patent No. 1430640, William L. Gilmore, Airplanes, 10/3/1922
Box 5, Folder 25	Patent No. 1432817, Joseph Wertzheiser, Lubricating systems for high speed engines, 10/24/1922
Box 5, Folder 26	Patent No. 1434547, Charles B. Kirkham and Arthur L. Thurston, Airplanes, 11/7/1922
Box 5, Folder 27	Patent No. 1434559, Edward T. Musson, Wing jigs, 11/7/1922
Box 5, Folder 28	Patent No. 1435139, Harvey C. Mummert, Retractable landing gears for aircraft, 11/7/1922
Box 5, Folder 29	Patent No. 1437465, John A. Christen, Airplane fittings, 12/5/1922
Box 5, Folder 30	Patent No. 1437466, Nelson W. Dalton, Automatic safety devices for aeronautical motors, 12/5/1922
Box 5, Folder 31	Patent No. 1437469, William L. Gilmore and Theodore P. Wright, Aeroplane wing structures, 12/5/1922
Box 5, Folder 32	Patent No. 1437471, Charles B. Kirkham, Propeller hub fastenings, 12/5/1922
Box 5, Folder 33	Patent No. 1437861, Finley R. Porter, Fuel supply systems, 12/5/1922
Box 5, Folder 34	Patent No. 1439798, Henry M. Crane, Compression relief devices for internal combustion engines, 12/26/1922
Box 5, Folder 35	Patent No. 1445135, William L. Gilmore, Fighting aeroplanes, 2/13/1923
Box 5, Folder 36	Patent No. 1445142, Charles B. Kirkham, Propeller mountings, 2/13/1923
Box 5, Folder 37	Patent No. 1447788, Charles B. Kirkham, Lubricating devices for internal combustion engines, 3/6/1923
Box 5, Folder 38	Patent No. 1454505, John A. Christen, Multiple control systems for multimotored aircraft, 5/8/1923
Box 5, Folder 39	Patent No. 1463171, George J. Meade, Valve operating mechanism, 7/31/1923
Box 5, Folder 40	Patent No. 1463556, Sylvanus Albert Reed, Aeronautical propellers, 7/31/1923
Box 5, Folder 41	Patent No. 1465973, Glenn H. Curtiss, Triplane flying boats, 8/28/1923
Box 5, Folder 42	Patent No. 1465989, Charles B. Kirkham, Aeronautical motors, 8/28/1923

Box 5, Folder 43	Patent No. 1466634, John P. Tarbox, Wing shedding means for flying boats, 8/28/1923
Box 5, Folder 44	Patent No. 1479993, Charles B. Kirkham, Motive power systems for aircraft, 1/8/1924
Box 5, Folder 45	Patent No. 1481986, Joseph G. Coffin, Methods and apparatus for measuring altitudes, 1/29/1924
Box 5, Folder 46	Patent No. 1485783, Grandison Gardner, Vertical stabilizer, 3/4/1924
Box 5, Folder 47	Patent No. 1386607, Rudolph R. Reissig, Tanks and methods of making, 3/11/1924
Box 5, Folder 48	Patent No. 1494787, Henry Kleckler and Glenn H. Curtiss, Tail skids for aeroplanes, 5/20/1924
Box 5, Folder 49	Patent No. 1509251, Harvey C. Mummert, Wing radiator fastenings, 9/23/1924
Box 5, Folder 50	Patent No. 1511666, William L. Gilmore, Twin fuselage monoplanes, 10/14/1924
Box 5, Folder 51	Patent No. 1511667, William L. Gilmore, Cooling systems for the power plants of aircraft, 10/14/1924
Box 5, Folder 52	Patent No. 1511672, Charles B. Kirkham, Internal combustion engines, 10/14/1924
Box 6, Folder 1	Patent No. 1511689, John P. Tarbox, Combination land air and water craft, 10/14/1924
Box 6, Folder 2	Patent No. 1511691, William E. Valk, Jr., Airplane radiators, 10/14/1924
Box 6, Folder 3	Patent No. 1513053, Charles A. Lewis, Aircraft landing gear, 10/28/1924
Box 6, Folder 4	Patent No. 1518410, Sylvanus Albert Reed, Aeronautical propellers, 12/9/1924
Box 6, Folder 5	Patent No. 1531704, John P. Langfelder, Flotation bodies for hydroaircraft, 3/31/1925
Box 6, Folder 6	Patent No. 1535526, William L. Gilmore, Aeroplane wings, 4/28/1925, 4/28/1925
Box 6, Folder 7	Patent No. 1535532, John P. Langfelder, Aeroplanes, 4/28/1925
Box 6, Folder 8	Patent No. 1539273, Sylvanus A. Reed, Propellers, 5/26/1925
Box 6, Folder 9	Patent No. 1542412, Sylvanus A. Reed, Aeronautical propellers, 6/16/1925
Box 6, Folder 10	Patent No. 1543479, Arthur Nutt, Starters for internal combustion engines, 6/23/1925

Box 6, Folder 11	Patent No. 1543651, Harvey C. Mummert, Wing strut fastenings for aeroplanes, 6/23/1925
Box 6, Folder 12	Patent No. 1545505, Grover C. Loening, Airplanes, 7/14/1925
Box 6, Folder 13	Patent No. 1545684, Arthur Nutt and Adolph Moses, Internal combustion motors, 7/14/1925
Box 6, Folder 14	Patent No. 1555409, William L. Gilmore, Airplane wings, 9/29/1925
Box 6, Folder 15	Patent No. 1556348, William A. Ray and Rex B. Beisel, Aeroplane landing gears, 10/6/1925
Box 6, Folder 16	Patent No. 1563384, Grover C. Loening, Retractable landing gears, 12/1/1925
Box 6, Folder 17	Patent No. 1565096, Harvey C. Mummert and William Wait, Jr., Methods of constructing radiators for use in connection with internal combustion motors, 12/8/1925
Box 6, Folder 18	Patent No. 1565097, Harvey C. Mummert, Differential aileron controls, 12/8/1925
Box 6, Folder 19	Patent No. 1565100, Arthur Nutt and Adolph Moses, Automatic throttle controls, 12/8/1925
Box 6, Folder 20	Patent No. 1568578, Walter L. Weeks, Reverse gear and clutch operating mechanism, 1/5/1926
Box 6, Folder 21	Patent No. 1569245, Andrew V.D. Willgoos, Internal combustion engines, 1/12/1926
Box 6, Folder 22	Patent No. 1575328, William L. Gilmore and Harvey C. Mummert, Aeroplane landing gears, 3/2/1926
Box 6, Folder 23	Patent No. 1575359, Arthur Nutt, Lubricating systems for aeronautical motors, 3/2/1926
Box 6, Folder 24	Patent No. 1584053, William Wait, Jr., Engine bed mountings, 5/11/1926
Box 6, Folder 25	Patent No. 1584466, Harvey C. Mummert and William L. Gilmore, Airplane landing gears, 5/11/1926
Box 6, Folder 26	Patent No. 1590699, Sylvanus A. Reed, Aeronautical propellers, 6/29/1926
Box 6, Folder 27	Patent No. 1598738, George J. Meade and Charles F. Taylor, Oil radiators, 9/7/1926
Box 6, Folder 28	Patent No. 1604757, Sylvanus A. Reed, Aeronautical propellers, 10/26/1926
Box 6, Folder 29	Patent No. 1604758, Sylvanus A. Reed, Aeronautical propellers, 10/26/1926

Box 6, Folder 30	Patent No. 1613602, Thomas H. Birmingham, Aerofoils, 1/11/1927
Box 6, Folder 31	Patent No. 1613619, Harvey C. Mummert and Joseph F. Meade, Aeroplane radiators, 1/11/1927
Box 6, Folder 32	Patent No. 1617433, Rex B. Beisel, Oil temperature regulators, 2/15/1927
Box 6, Folder 33	Patent No. 1617816, Grover C. Loening, Amphibian airplanes, 2/15/1927
Box 6, Folder 34	Patent No. 1621326, Charles L. Lawrance, Internal combustion engines, 3/15/1927
Box 6, Folder 35	Patent No. 1623128, Harvey C. Mummert, Temperature regulating systems for liquid cooled aeronautical motors, 4/5/1927
Box 6, Folder 36	Patent No. 1631259, William L. Gilmore, Variable lift--variable resistance airfoils, 6/7/1927
Box 6, Folder 37	Patent No. 1632526, Andrew V.D. Willgoos, Clutches, 6/14/1927
Box 6, Folder 38	Patent No. 1632913, Arthur Nutt, Propeller mountings, 6/21/1927
Box 6, Folder 39	Patent No. 1635009, Sylvanus Albert Reed, Twisting machines, 7/5/1927
Box 6, Folder 40	Patent No. 1639029, William L. Gilmore, Aeroplanes, 8/16/1927
Box 6, Folder 41	Patent No. 1642278, Nathan F. Vanderlipp, Fasteners, 9/13/1927
Box 6, Folder 42	Patent No. 1650464, Sylvanus A. Reed, Aeronautical propellers, 11/22/1927
Box 6, Folder 43	Patent No. 1650665, Arthur L. Thurston, Airplane radiators, 11/29/1927
Box 6, Folder 44	Patent No. 1651152, Sylvanus Albert Reed, Aeronautical propellers, 11/29/1927
Box 6, Folder 45	Patent No. 1653122, William A. Ray, Aeroplane landing gears, 12/20/1927
Box 6, Folder 46	Patent No. 1666761, William Wait, Jr., Combination seat and control mechanism for aircraft, 4/17/1928
Box 6, Folder 47	Patent No. 1666769, Rex B. Beisel and William L. Gilmore, Airplanes, 4/17/1928
Box 6, Folder 48	Patent No. 1672341, Sylvanus A. Reed, Aeronautical propellers, 6/5/1928
Box 6, Folder 49	Patent No. 1673564, Charles E. Hathorn and Sylvanus A. Reed, Propeller twisting presses, 6/12/1928
Box 6, Folder 50	Patent No. 1673608, William Wait, Jr., Wheel chocks for aeroplanes, 6/12/1928

Box 6, Folder 51	Patent No. 1681219, Harold Caminez, Engine mounting, 8/21/1928
Box 6, Folder 52	Patent No. 1682202, Stanley I. Vaughn, Beams, 8/28/1928
Box 6, Folder 53	Patent No. 1682204, William Wait, Jr., Aeroplane radiators, 8/28/1928
Box 6, Folder 54	Patent No. 1682229, Temple N. Joyce, Adjustable windshields, 8/28/1928
Box 6, Folder 55	Patent No. 1684187, Grover C. Loening, Constructions for airplane floats, 9/11/1928
Box 7, Folder 1	Patent No. 1687636, Sylvanus A. Reed, Aeronautical propellers, 10/16/1928
Box 7, Folder 2	Patent No. 1692010, William Wait, Jr., Retractable landing gears, 11/20/1928
Box 7, Folder 3	Patent No. 1694496, Theodore P. Wright and William Wait, Jr., Rudder operating mechanism for aircraft, 12/11/1928
Box 7, Folder 4	Patent No. 1704713, Arthur R. Stalb, Jr., Pontoon attaching means, 3/12/1929
Box 7, Folder 5	Patent No. 1705708, Rex B. Beisel, Metal trusses, 3/19/1929
Box 7, Folder 6	Patent No. 1707830, William Wait, Jr., Exhaust mufflers for radial cylinder engines for aircraft, 4/2/1929
Box 7, Folder 7	Patent No. 1708373, Frederick R. Weymouth, Control surface operating mechanism, 4/9/1929
Box 7, Folder 8	Patent No. 1711637, Sherman Mills Fairchild, Control surface operating mechanism, 5/7/1929
Box 7, Folder 9	Patent No. 1714804, Harvey C. Mummert, Radiators for aeroplanes, 5/28/1929
Box 7, Folder 10	Patent No. 1714806, Arthur Nutt, Valve operating mechanism, 5/28/1929
Box 7, Folder 11	Patent No. 1714807, Arthur Nutt, Valve operating mechanism, 5/28/1929
Box 7, Folder 12	Patent No. 1714842, Rex B. Beisel, Radiator shutters, 5/28/1929
Box 7, Folder 13	Patent No. 1718956, Knut Henrichsen, Aeroplane landing gears, 7/2/1929
Box 7, Folder 14	Patent No. 1722467, Thomas H. Huff, Dusting apparatus, 7/30/1929
Box 7, Folder 15	Patent No. 1722821, Arthur Nutt, Valve operating mechanism, 7/30/1929
Box 7, Folder 16	Patent No. 1723012, Harold Caminez, Aircraft engine mount, 8/6/1929

Box 7, Folder 17	Patent No. 1723175, Edward T. Jones, Master connecting rods for radial cylinder engines, 8/6/1929
Box 7, Folder 18	Patent No. 1723962, Frederick R. Weymouth, Folding wing, 8/6/1929
Box 7, Folder 19	Patent No. 1724959, George A. Page, Jr., and Frank H. Russell, Wire end seals for aircraft, 8/20/1929
Box 7, Folder 20	Patent No. 1731492, Louis Haase, Pontoon nose buffer, 10/15/1929
Box 7, Folder 21	Patent No. 1731531, Edgar N. Gott, Aircraft, 10/15/1929
Box 7, Folder 22	Patent No. 1735852, Elliot Daland, Landing gears for airplanes, 11/19/1929
Box 7, Folder 23	Patent No. 1737122, Arthur Nutt, Motor cooling systems, 11/26/1929
Box 7, Folder 24	Patent No. 1737123, George A. Page, Jr., Dump valves for fluid containers, 11/26/1929
Box 7, Folder 25	Patent No. 1739690, Arthur Nutt, Oiling systems, 12/17/1929
Box 7, Folder 26	Patent No. 1743173, William O. Warner, Cam-shaft driving mechanism for internal combustion engines, 1/14/1930
Box 7, Folder 27	Patent No. 1745126, Arthur Ralston Stalb, Jr., Detachable ski, 1/28/1930
Box 7, Folder 28	Patent No. 1749769, Corydon Milton Johnson, Airplane wing construction, 3/11/1930
Box 7, Folder 29	Patent No. 1759197, Grover Loening, Retractable landing gears, 5/20/1930
Box 7, Folder 30	Patent No. 1759442, Richard Henry DePew, Jr., Control surface operating mechanism, 5/20/1930
Box 7, Folder 31	Patent No. 1770276, Charles D. Koch, Refrigerators for moving vehicles, 7/8/1930
Box 7, Folder 32	Patent No. 1770756, Roscoe I. Markey, Tail skid, 7/15/1930
Box 7, Folder 33	Patent No. 1771743, Arthur G. Butler and George A. Page, Emergency dump valves, 7/29/1930
Box 7, Folder 34	Patent No. 1772889, Sherman Mills Fairchild, Wing landing light, 8/12/1930
Box 7, Folder 35	Patent No. 1773399, Arthur H. Leak, Crank case construction, 8/19/1930
Box 7, Folder 36	Patent No. 1778113, Grover Loening, Seaplanes or amphibians, 10/14/1930

Box 7, Folder 37	Patent No. 1778340, Sylvanus A. Reed, Aeronautical propellers, 10/14/1930
Box 7, Folder 38	Patent No. 1781883, Sylvanus A. Reed, Aeronautical propellers, 11/18/1930
Box 7, Folder 39	Patent No. 1785339, Elliot Daland, Shock absorbers for landing gears of airplanes, 12/16/1930
Box 7, Folder 40	Patent No. 1789483, William Wait, Jr., Operating mechanism for aircraft control surfaces, 1/20/1931
Box 7, Folder 41	Patent No. 1792489, William L. Gilmore, Joint fittings, 2/17/1931
Box 7, Folder 42	Patent No. 1792537, William J. Irvine, Cowl fasteners, 2/17/1931
Box 7, Folder 43	Patent No. 1793494, John G. Lee, Folding wing aeroplane, 2/24/1931
Box 7, Folder 44	Patent No. 1799555, Leroy R. Grumman, Flying boats and like craft, 4/7/1931
Box 7, Folder 45	Patent No. 1803995, Roland Chilton, Splined connections, 5/5/1931
Box 7, Folder 46	Patent No. 1804433, Sylvanus Albert Reed, Aeronautical propellers, 5/12/1931
Box 7, Folder 47	Patent No. 1804434, Sylvanus A. Reed, Aeronautical propellers and methods of making the same, 5/12/1931
Box 7, Folder 48	Patent No. 1814315, Charles D. Koch, Refrigerators for vehicles, 7/14/1931
Box 7, Folder 49	Patent No. 1817956, William Wait, Jr., Aeroplane wings, 8/11/1931
Box 7, Folder 50	Patent No. 1818000, Howard R. Moles, Aerofoil operating mechanism, 8/11/1931
Box 7, Folder 51	Patent No. 1823883, Maitland B. Bleecker, Indicators for internal combustion engines, 9/22/1931
Box 7, Folder 52	Patent No. 1825301, Rex B. Beisel, Aeroplanes, 9/29/1931
Box 7, Folder 53	Patent No. 1831365, Sylvanus A. Reed, Aeronautical propellers and methods of making same, 11/10/1931
Box 7, Folder 54	Patent No. 1831366, Sylvanus A. Reed, Tandem aeronautical propellers, 11/10/1931
Box 7, Folder 55	Patent No. 1831394, Sylvanus A. Reed, Aeronautical propellers, 11/10/1931
Box 7, Folder 56	Patent No. 1832275, Rex B. Beisel, Aeronautical propellers, 11/17/1931
Box 7, Folder 57	Patent No. 1832320, Arthur Nutt, Crank case oil seal, 11/17/1931

Box 7, Folder 58	Patent No. 1833635, Ralph D. Carlton and Hubert F. Franklin, Control surface operating mechanism for aircraft, 11/24/1931
Box 7, Folder 59	Patent No. 1833646, Charles E. Hathorn, Emergency flotation gears for aircraft, 11/24/1931
Box 7, Folder 60	Patent No. 1833911, Sylvanus A. Reed, Aeronautical propellers, 12/1/1931
Box 8, Folder 1	Patent No. 1836989, Sylvanus A. Reed, Aeronautical propellers and methods of making the same, 12/15/1931
Box 8, Folder 2	Patent No. 1842765, Sylvanus A. Reed, Adjustable pitch propellers, 1/26/1932
Box 8, Folder 3	Patent No. 1842766, Sylvanus A. Reed, Aeronautical propellers, 1/26/1932
Box 8, Folder 4	Patent No. 1846609, Sylvanus A. Reed, Attachment means for aeronautical propellers, 2/23/1932
Box 8, Folder 5	Patent No. 1850964, Rex B. Beisel, Aeroplane landing gears, 3/22/1932
Box 8, Folder 6	Patent No. 1855020, Knut Henrichsen, Aircraft tail chassis, 4/19/1932
Box 8, Folder 7	Patent No. 1855589, Sylvanus A. Reed, Aeronautical propellers, 4/26/1932
Box 8, Folder 8	Patent No. 1856080, Robert R. Osborn, Aeroplane wing structures, 5/3/1932
Box 8, Folder 9	Patent No. 1858393, Richard Henry DePew, Jr., Airplane wheel brake operating means, 5/17/1932
Box 8, Folder 10	Patent No. 1860813, Arthur Nutt, Lubrication systems for inverted motors, 5/31/1932
Box 8, Folder 11	Patent No. 1860814, Arthur Nutt, Internal combustion engines, 5/31/1932
Box 8, Folder 12	Patent No. 1860851, Roland Chilton, Yielding clutches, 5/31/1932
Box 8, Folder 13	Patent No. 1869182, Werner J. Blanchard, Propellers, 7/26/1932
Box 8, Folder 14	Patent No. 1869211, Robert R. Osborn, Airfoil operating mechanism, 7/26/1932
Box 8, Folder 15	Patent No. 1874332, Edmund B. Moore, Variable pitch propellers, 8/30/1932
Box 8, Folder 16	Patent No. 1874406, Theodore P. Wright, Exhaust silencers, 8/30/1932
Box 8, Folder 17	Patent No. 1874422, Rex B. Beisel, Gun mounts, 8/30/1932
Box 8, Folder 18	Patent No. 1874444, Carl Gustaf Carvelli, Oiling systems, 8/30/1932

Box 8, Folder 19	Patent No. 1874446, Roland Chilton, Ported cylinder construction, 8/30/1932
Box 8, Folder 20	Patent No. 1874493, Charles G. Geignetter, Duel control brakes, 8/30/1932
Box 8, Folder 21	Patent No. 1874522, Knut Henrichsen, Curved control sticks, 8/30/1932
Box 8, Folder 22	Patent No. 1874523, Knut Henrichsen, Aircraft cowling for tandem motors, 8/30/1932
Box 8, Folder 23	Patent No. 1874605, George A. Page, Jr., Oil tanks, 8/30/1932
Box 8, Folder 24	Patent No. 1874610, Samuel T. Payne, Fuselage construction, 8/30/1932
Box 8, Folder 25	Patent No. 1874650, Colby W. Steward, Aeroplane landing gears, 8/30/1932
Box 8, Folder 26	Patent No. 1874685, Theodore P. Wright, Ribless wings, 8/30/1932
Box 8, Folder 27	Patent No. 1882305, Max Stupar and George A. Payne, Clamps, 10/11/1932
Box 8, Folder 28	Patent No. 1886708, Roscoe I. Markey, Fastening device for airplane wing covers, 11/8/1932
Box 8, Folder 29	Patent No. 1888807, Elmer James Rivers, Machine for shaping metal tubes, 11/22/1932
Box 8, Folder 30	Patent No. 1890820, Roscoe I. Markey, Airplane, 12/13/1932
Box 8, Folder 31	Patent No. 1892064, Roscoe I. Markey, Aeroplane landing ski, 12/27/1932
Box 8, Folder 32	Patent No. 1892065, Roscoe I. Markey, Aeroplane engine mount, 12/27/1932
Box 8, Folder 33	Patent No. 1892070, Roy G. Miller, Sound absorbing monocoque fuselage, 12/27/1932
Box 8, Folder 34	Patent No. 1892914, Clem G. Trimbach, Machine gun mounts for aircraft, 1/3/1933
Box 8, Folder 35	Patent No. 1892915, Arne F. Vinje, Aircraft control surface adjusting mechanisms, 1/3/1933
Box 8, Folder 36	Patent No. 1892916, Arne F. Vinje, Aircraft controls, 1/3/1933
Box 8, Folder 37	Patent No. 1892927, Raymond C. Blaylock, Control surface for aircraft, 1/3/1933
Box 8, Folder 38	Patent No. 1894582, George W. De Bell, Retractable landing gear, 1/17/1933
Box 8, Folder 39	Patent No. 1895222, Corydon M. Johnson, Airplane safety belt, 1/24/1933

Box 8, Folder 40	Patent No. 1896222, Roland Chilton, Engine cowlings, 2/7/1933
Box 8, Folder 41	Patent No. 1896234, Charles E. Hathorn, Tail wheels, 2/7/1933
Box 8, Folder 42	Patent No. 1896270, Theodore P. Wright, Airplanes, 2/7/1933
Box 8, Folder 43	Patent No. 1902071, Charles E. Hathorn, Stabilizer adjusting mechanism, 3/21/1933
Box 8, Folder 44	Patent No. 1902094, George A. Page, Jr., Rudder pedal adjusting mechanism, 3/21/1933
Box 8, Folder 45	Patent No. 1902096, Fred A. A. Pearson, Propellers, 3/21/1933
Box 8, Folder 46	Patent No. 1902107, Clem G. Trimbach, Machine gun mounts for aircraft, 3/21/1933
Box 8, Folder 47	Patent No. 1902111, Stanley Irving Vaughn, Metal joints and methods of forming the same, 3/21/1933
Box 8, Folder 48	Patent No. 1902421, Herbert Rawdon and Walter E. Burnham, Shock absorbers, 3/21/1933
Box 8, Folder 49	Patent No. 1905891, Werner J. Blanchard, Aeronautical propellers, 4/25/1933
Box 8, Folder 50	Patent No. 1906404, George A. Page, Jr., Apparatus for cooling internal combustion engines, 5/2/1933
Box 9, Folder 1	Patent No. 1908726, Rex B. Beisel and George A. Page, Jr., Aeroplane shutters, 5/16/1933
Box 9, Folder 2	Patent No. 1908757, Charles E. Hathorn, Aeronautical trusses and methods of forming the same, 5/16/1933
Box 9, Folder 3	Patent No. 1908814, Werner J. Blanchard, Propeller mountings, 5/16/1933
Box 9, Folder 4	Patent No. 1908820, Roland Chilton, Engine cowlings, 5/16/1933
Box 9, Folder 5	Patent No. 1910591, Roland Chilton, Air cooled engine cylinders, 5/23/1933
Box 9, Folder 6	Patent No. 1914092, Knut Henrichsen and Samuel T. Payne, Retractable landing gears, 6/13/1933
Box 9, Folder 7	Patent No. 1917078, Theodore P. Wright and Robert R. Osborn, Landing gears for aircraft, 7/4/1933
Box 9, Folder 8	Patent No. 1922063, Stanley I. Vaughn, Monocoque bodies, 8/15/1933

Box 9, Folder 9	Patent No. 1923384, Roy G. Miller, Airplane fuel tank, 8/22/1933
Box 9, Folder 10	Patent No. 1925271, Roy G. Miller, Composite floor construction, 9/5/1933
Box 9, Folder 11	Patent No. 1926329, Roland Chilton, Pistons, 9/12/1933
Box 9, Folder 12	Patent No. 1926349, Arthur Nutt, Arthur H. Leak, and Harry L. Chisholm, Jr., Valve operating mechanism, 9/12/1933
Box 9, Folder 13	Patent No. 1933966, Roland Chilton, Engine cowlings, 11/7/1933
Box 9, Folder 14	Patent No. 1933998, Samuel T. Payne, Oil coolers, 11/7/1933
Box 9, Folder 15	Patent No. 1934399, Maitland B. Bleecker, Methods and apparatus for cooling internal combustion engines, 11/7/1933
Box 9, Folder 16	Patent No. 1939047, William F. Gerhardt and Clarence A. Brock, Aerodynamic instructions and testing apparatus, 12/12/1933
Box 9, Folder 17	Patent No. 1939051, Charles E. Hathorn, Sliding windshields, 12/12/1933
Box 9, Folder 18	Patent No. 1941348, Charles E. Hathorn, Joint fittings, 12/26/1933
Box 9, Folder 19	Patent No. 1942391, Roy G. Miller, Airplane wing spars, 1/2/1934
Box 9, Folder 20	Patent No. 1943233, Myron G. Beard, Heating and ventilating systems, 1/9/1934
Box 9, Folder 21	Patent No. 1944219, Roland Chilton, Flange connections, 1/23/1934
Box 9, Folder 22	Patent No. 1947982, William F. Gerhardt and Clarence A. Brock, Amusement apparatus, 2/20/1934
Box 9, Folder 23	Patent No. 1947987, Charles E. Hathorn, Combined exhaust manifolds and mufflers, 2/20/1934
Box 9, Folder 24	Patent No. 1950970, Roland Chilton, Two cycle engines, 3/13/1934
Box 9, Folder 25	Patent No. 1950971, Roland Chilton, Reduction gears, 3/13/1934
Box 9, Folder 26	Patent No. 1950995, Jules E. Piccard, Oleopneumatic struts, 3/13/1934
Box 9, Folder 27	Patent No. 1951320, Werner J. Blanchard, Variable pitch propellers, 3/13/1934
Box 9, Folder 28	Patent No. 1951321, Werner J. Blanchard, Blade retention devices, 3/13/1934
Box 9, Folder 29	Patent No. 1951783, Myron G. Beard, Instrument board lighting devices, 3/20/1934

Box 9, Folder 30	Patent No. 1951839, Elmer J. Rivers, Riveting devices, 3/20/1934
Box 9, Folder 31	Patent No. 1958229, Walter H. Beech, Safety meters, 5/8/1934
Box 9, Folder 32	Patent No. 1958261, William J. Blanchard, Indicators, 5/8/1934
Box 9, Folder 33	Patent No. 1958264, Roland Chilton, Valve gears, 5/8/1934
Box 9, Folder 34	Patent No. 1961584, Charles E. Hathorn, Frames for access opening for use in aircraft construction, 6/5/1934
Box 9, Folder 35	Patent No. 1962246, Arthur H. Leak, Multiple master connecting rod assemblies, 6/12/1934
Box 9, Folder 36	Patent No. 1966043, George A. Page, Jr. and George E. Warren, Cowling rings, 7/10/1934
Box 9, Folder 37	Patent No. 1968182, Clem G. Trimbach, Gun mounts, 7/31/1934
Box 9, Folder 38	Patent No. 1974802, Roland Chilton, Valve spring mechanism, 9/25/1934
Box 9, Folder 39	Patent No. 1974803, Roland Chilton, The venting of crank cases, 9/25/1934
Box 9, Folder 40	Patent No. 1974804, Roland Chilton, Crank case venting systems, 9/25/1934
Box 9, Folder 41	Patent No. 1976456, Edmund L. Noonan, Combined fuel valves and tank releases, 10/9/1934
Box 9, Folder 42	Patent No. 1976479, Arthur G. Butler, Bungee controls, 10/9/1934
Box 9, Folder 43	Patent No. 1976480, Ralph D. Carlton and Raymond C. Blaylock, Aerofoils, 10/9/1934
Box 9, Folder 44	Patent No. 1976482, Edward R. Child, Slot and flap combinations, 10/9/1934
Box 9, Folder 45	Patent No. 1976483, Roland Chilton, Compensated valve gears, 10/9/1934
Box 9, Folder 46	Patent No. 1979025, Gustaf Carvelli, Venting systems, 10/30/1934
Box 9, Folder 47	Patent No. 1980181, Karl Bodden, Automatic riveters, 11/13/1934
Box 9, Folder 48	Patent No. 1980185, Roland Chilton, Torsional vibration dampers, 11/13/1934
Box 9, Folder 49	Patent No. 1980195, William F. Gerhardt and Clarence A. Brock, Wind tunnel balances, 11/13/1934
Box 9, Folder 50	Patent No. 1980228, Frank D. Rogers, Welding tools, 11/13/1934

Box 9, Folder 51	Patent No. 1983358, Frank W. Fink, Aircraft landing gear holding devices, 12/4/1934
Box 9, Folder 52	Patent No. 1983368, Charles E. Hathorn, Sealing means for control rods, 12/4/1934
Box 10, Folder 1	Patent No. 1983378, William D. Kennedy, Valve gear servicing devices, 12/4/1934
Box 10, Folder 2	Patent No. 1988079, Knut Henrichsen, Airplane wings, 1/15/1935
Box 10, Folder 3	Patent No. 1988085, Salvatore P. Orlando, Structural joints, 1/15/1935
Box 10, Folder 4	Patent No. 1988093, Colby W. Steward, Landing gears, 1/15/1935
Box 10, Folder 5	Patent No. 1988119, Henry C. Hill, Internal combustion engines, 1/15/1935
Box 10, Folder 6	Patent No. 1988148, Frederick R. Weymouth, Ailerons and flap combinations, 1/15/1935
Box 10, Folder 7	Patent No. 1990978, Edward R. Child, Irreversible controls, 2/12/1935
Box 10, Folder 8	Patent No. 1990979, Roland Chilton, Engine cooling means, 2/12/1935
Box 10, Folder 9	Patent No. 1990990, Charles E. Hathorn, Control levers and shafting, 2/12/1935
Box 10, Folder 10	Patent No. 1993875, Rudolph Daub, Valve gear operating mechanism, 3/12/1935
Box 10, Folder 11	Patent No. 1993893, George A. Page, Jr., Battery installations, 3/12/1935
Box 10, Folder 12	Patent No. 1995601, Kenneth A. Browne, Mixture ratio control for fuel injection pumps, 3/26/1935
Box 10, Folder 13	Patent No. 1997279, Roland Chilton, Piston driving mechanism, 4/9/1935
Box 10, Folder 14	Patent No. 1997285, Frederick R. Weymouth, Antiflutter devices, 4/9/1935
Box 10, Folder 15	Patent No. 1997298, Charles E. Hathorn, Mufflers, 4/9/1935
Box 10, Folder 16	Patent No. 2000666, Robert R. Osborn and Theodore P. Wright, Aircraft, 5/7/1935
Box 10, Folder 17	Patent No. 2000714, Arthur Nutt, Lubricating systems, 5/7/1935
Box 10, Folder 18	Patent No. 2000722, Colby W. Steward, Exhaust manifolds, 5/7/1935
Box 10, Folder 19	Patent No. 2002944, Charles E. Hathorn, Access openings for use in aircraft construction, 5/28/1935
Box 10, Folder 20	Patent No. 2008094, Milton A. Chester, Shock struts, 7/16/1935

Box 10, Folder 21	Patent No. 2010945, Ralph D. Carleton, Tail wheel fairings, 8/13/1935
Box 10, Folder 22	Patent No. 2014776, Robert R. Osborn, Wing construction, 9/17/1935
Box 10, Folder 23	Patent No. 2014777, Samuel T. Payne and Frederick R. Weymouth, Retractable landing gear, 9/17/1935
Box 10, Folder 24	Patent No. 2014791, Clem G. Trimbach, Adapters for twin flexible machine guns, 9/17/1935
Box 10, Folder 25	Patent No. 2014793, Frederick R. Weymouth and Frank A. Wedberg, Retractable landing gear, 9/17/1935
Box 10, Folder 26	Patent No. 2014801, Frederic Flader, Rib construction, 9/17/1935
Box 10, Folder 27	Patent No. 2017207, Charles E. Hathorn, Strut fairing brackets, 10/15/1935
Box 10, Folder 28	Patent No. 2018012, Roland Chilton, Spinner cowls, 10/22/1935
Box 10, Folder 29	Patent No. 2021129, Roland Chilton, Oil temperature regulators, 11/19/1935
Box 10, Folder 30	Patent No. 2021282, Werner J. Blanchard, Lubricating systems, 11/19/1935
Box 10, Folder 31	Patent No. 2021306, Charles E. Hathorn, Tail wheels, 11/19/1935
Box 10, Folder 32	Patent No. 2021307, Charles E. Hathorn, Retractable landing gear operating means, 11/19/1935
Box 10, Folder 33	Patent No. 2021324, Robert R. Osborn, Folding wing aeroplanes, 11/19/1935
Box 10, Folder 34	Patent No. 2021325, George A. Page, Jr., Wheel fairing, 11/19/1935
Box 10, Folder 35	Patent No. 2021326, Samuel T. Payne, Retractable landing gears, 11/19/1935
Box 10, Folder 36	Patent No. 2025735, Frederic E. Flader and Donald C. Rowe, Amphibian landing gears, 12/31/1935
Box 10, Folder 37	Patent No. 2025743, Charles E. Hathorn, Retractable landing gear, 12/31/1935
Box 10, Folder 38	Patent No. 2025744, Charles E. Hathorn, Methods and apparatus for electric spot welding, 12/31/1935
Box 10, Folder 39	Patent No. 2026182, Arthur H. Leak, Supercharger fuel drains, 12/31/1935
Box 10, Folder 40	Patent No. 2032682, Werner J. Blanchard, Crankcase vents, 3/3/1936
Box 10, Folder 41	Patent No. 2032711, Howard R. Moles, Crash pads, 3/3/1936

Box 10, Folder 42	Patent No. 2032718, Donald C. Rowe, Tail wheels, 3/3/1936
Box 10, Folder 43	Patent No. 2034083, Arthur G. Butler, Landing gears, 3/17/1936
Box 10, Folder 44	Patent No. 2034087, Roland Chilton, Two speed supercharger drives, 3/17/1936
Box 10, Folder 45	Patent No. 2034095, Charles E. Hathorn, Hand grips and covers, 3/17/1936
Box 10, Folder 46	Patent No. 2034106, Guy A. Luburg, Retractable landing gears, 3/17/1936
Box 10, Folder 47	Patent No. 2034119, Herbert V. Shebat, Mufflers, 3/17/1936
Box 10, Folder 48	Patent No. 2034121, Robert A. Swaim, Parking brakes, 3/17/1936
Box 10, Folder 49	Patent No. 2035019, Robert R. Osborn, Cooling means, 3/24/1936
Box 10, Folder 50	Patent No. 2035231, George F. Haberstro, Parking harness, 3/24/1936
Box 10, Folder 51	Patent No. 2037384, Arthur H. Leak, Connecting rods, 4/14/1936
Box 10, Folder 52	Patent No. 2040465, Roland Chilton, Connecting rods, 5/12/1936
Box 10, Folder 53	Patent No. 2040496, Robert R. Osborn, Control mechanism for auxiliary wing flaps, 5/12/1936
Box 10, Folder 54	Patent No. 2044338, Colby W. Steward, Retractable landing gears, 6/16/1936
Box 11, Folder 1	Patent No. 2044340, Clem G. Trimbach, Gun installation and firing means, 6/16/1936
Box 11, Folder 2	Patent No. 2044357, John A. Kerr, Aileron control for folding wings, 6/16/1936
Box 11, Folder 3	Patent No. 2044368, Donald C. Rowe, Walter Tydon, and Fredric E. Flader, Differential screws, 6/16/1936
Box 11, Folder 4	Patent No. 2047341, Stanley I. Vaughn and Edwin H. Fabing, Methods of riveting, 7/14/1936
Box 11, Folder 5	Patent No. 2047392, Frederick I. Steele, Gear shift mechanism, 7/14/1936
Box 11, Folder 6	Patent No. 2049145, George E. Warren and George F. Haberstro, Jr., Control levers with switches, 7/28/1936
Box 11, Folder 7	Patent No. 2050240, Myron G. Beard, Heating and ventilating systems for aircraft, 8/11/1936
Box 11, Folder 8	Patent No. 2050741, Godfrey B. Speir, Wheel starters, 8/11/1936

Box 11, Folder 9	Patent No. 2050748, Rudolph Daub, Two cycle engines, 8/11/1936
Box 11, Folder 10	Patent No. 2053048, S.T. Robinson, Cover fastenings, 9/1/1936
Box 11, Folder 11	Patent No. 2053053, Robert A. Swaim, Aircraft landing gears, 9/1/1936
Box 11, Folder 12	Patent No. 2053064, Leonard O. Cederwall, Aileron controls, 9/1/1936
Box 11, Folder 13	Patent No. 2053078, Charles E. Hathorn, Engine mounts, 9/1/1936
Box 11, Folder 14	Patent No. 2053093, Guy A. Luburg, Amphibian landing gears, 9/1/1936
Box 11, Folder 15	Patent No. 2056999, Raymond C. Blaylock, Control mechanism, 10/13/1936
Box 11, Folder 16	Patent No. 2057010, Roland Chilton, Baffles for air-cooled cylinders, 10/13/1936
Box 11, Folder 17	Patent No. 2059687, Rudolph F. Gagg, Deicing throttles, 11/3/1936
Box 11, Folder 18	Patent No. 2059717, Clem G. Trimbach, Flexible adapters for machine guns, 11/3/1936
Box 11, Folder 19	Patent No. 2064461, Roland Chilton and Rudolph F. Gagg, Cylinder fin construction, 15/15/1936
Box 11, Folder 20	Patent No. 2064673, Guy A. Luburg, Collapsible turtlebacks, 12/15/1936
Box 11, Folder 21	Patent No. 2064674, Guy A. Luburg, Eddie Molloy, and Frederic E. Flader, Flexible flotation gears, 12/15/1936
Box 11, Folder 22	Patent No. 2064675, Guy A. Luburg, Amphibian landing gears, 12/15/1936
Box 11, Folder 23	Patent No. 2064729, Ralph D. Carleton, Bomb supports, 12/15/1936
Box 11, Folder 24	Patent No. 2066394, Rudolph Daub, Internal combustion engine structure, 1/5/1937
Box 11, Folder 25	Patent No. 2067585, Clem G. Trimbach, Gunners' seat and mountings, 1/12/1937
Box 11, Folder 26	Patent No. 2067595, Kenneth A. Browne, Willard B. Goodman, and Donald J. Lowman, Deicing means, 1/12/1937
Box 11, Folder 27	Patent No. 2067597, Roland Chilton, Cooling fins, 1/12/1937
Box 11, Folder 28	Patent No. 2069991, Werner J. Blanchard, Pitch indicators, 2/9/1937
Box 11, Folder 29	Patent No. 2069994, Arthur G. Butler, Folding landing gears, 2/9/1937

Box 11, Folder 30	Patent No. 2069996, Ralph D. Carleton and Clem G. Trimbach, Releasable tanks and bomb racks, 2/9/1937
Box 11, Folder 31	Patent No. 2070006, Bruce G. Eaton, Jr., and Harry A. Sutton, Wing spoilers, 2/9/1937
Box 11, Folder 32	Patent No. 2070009, Willard B. Goodman, Anterior throttle carburetors, 2/9/1937
Box 11, Folder 33	Patent No. 2071594, Clem G. Trimbach, Streamline mounts for miniature bombs, 2/23/1937
Box 11, Folder 34	Patent No. 2073325, Harry A. Sutton, Sliding hoods, 3/9/1937
Box 11, Folder 35	Patent No. 2073350, Robert R. Osborn, Wing trusses, 3/9/1937
Box 11, Folder 36	Patent No. 2073362, Arthur G. Butler, Richard E. Palmer, and Samuel T. Payne, Retractable landing gears, 3/9/1937
Box 11, Folder 37	Patent No. 2076224, Roland Chilton, Engine cowlings, 4/6/1937
Box 11, Folder 38	Patent No. 2076225, Roland Chilton, Engine cooling and cowling, 4/6/1937
Box 11, Folder 39	Patent No. 2076232, Willard B. Goodman and Wesley L. Losson, Engine cooling and cowling, 4/6/1937
Box 11, Folder 40	Patent No. 2076254, Herbert V. Shebat, Bearings, 4/6/1937
Box 11, Folder 41	Patent No. 2076256, Robert A. Swaim and Carl R.O.P. Heintze, Mounts for wing guns, 4/6/1937
Box 11, Folder 42	Patent No. 2076259, Theodore P. Wright, Antivibration vanes, 4/6/1937
Box 11, Folder 43	Patent No. 2089168, Perry W. Brown, Spline connections, 8/3/1937
Box 11, Folder 44	Patent No. 2089649, Charles E. Hathorn, Quick detachable clevises, 8/10/1937
Box 11, Folder 45	Patent No. 2090079, Clem G. Trimbach, Gun mounts, 8/17/1937
Box 11, Folder 46	Patent No. 2090775, Theodore P. Wright, Twisted fairings, 8/24/1937
Box 11, Folder 47	Patent No. 2092639, Roland Chilton, Gear means for eliminating a master connecting rod, 9/7/1937
Box 11, Folder 48	Patent No. 2092644, Frank Erny, Tension oleo struts, 9/7/1937
Box 11, Folder 49	Patent No. 2092655, George A. Page, Jr., Airplanes with sleeping accommodations, 9/7/1937

Box 11, Folder 50	Patent No. 2092662, Frederick R. Weymouth, Retractable landing gear, 9/7/1937
Box 12, Folder 1	Patent No. 2095739, Willard B. Goodman, Carburetors, 10/12/1937
Box 12, Folder 2	Patent No. 2095743, Charles E. Hathorn, Retractable landing gears, 10/12/1937
Box 12, Folder 3	Patent No. 2095757, William G. Lundquist and John E. Weiss, Dynamic dampers, 10/12/1937
Box 12, Folder 4	Patent No. 2095791, Roland Chilton and Rudolph F. Gagg, Spark plug shields and coolers, 10/12/1937
Box 12, Folder 5	Patent No. 2095794, George M. Corbin, Reduction gears, 10/12/1937
Box 12, Folder 6	Patent No. 2097996, Arthur G. Butler, Auxiliary surface controls, 11/2/1937
Box 12, Folder 7	Patent No. 2098565, Roland Chilton, Engine cooling and cowling, 11/9/1937
Box 12, Folder 8	Patent No. 2098566, Roland Chilton, Deicing means for aircraft, 11/9/1937
Box 12, Folder 9	Patent No. 2098571, Chester C. DePew, Link type dynamic dampers, 11/9/1937
Box 12, Folder 10	Patent No. 2101239, Roland Chilton, Supercharger drives, 12/7/1937
Box 12, Folder 11	Patent No. 2102817, Frederick R. Weymouth, Fuselage construction, 12/21/1937
Box 12, Folder 12	Patent No. 2104590, Henry C. Hill, Fluid metering devices, 1/4/1938
Box 12, Folder 13	Patent No. 2104599, Paul G. Wellenkamp, Geared connecting rods, 1/4/1938
Box 12, Folder 14	Patent No. 2109329, Ralph D. Carleton, Engine mounts, 2/22/1938
Box 12, Folder 15	Patent No. 2110711, Donald G. MacCulloch, Two speed superchargers, 3/8/1938
Box 12, Folder 16	Patent No. 2110730, Raymond P. Holland, Jr., Stall indicators, 3/8/1938
Box 12, Folder 17	Patent No. 2110749, Walter Tydon and William O. Watson, Landing gear locking devices, 3/8/1938
Box 12, Folder 18	Patent No. 2110752, Theodore P. Wright, Methods of applying covering to a frame, 3/8/1938
Box 12, Folder 19	Patent No. 2113000, Donald C. Rowe, Antiflutter devices, 4/5/1938
Box 12, Folder 20	Patent No. 2114522, Arthur G. Butler, Steerable tail wheels, 4/19/1938

Box 12, Folder 21	Patent No. 2115165, Charles E. Hathorn and John W. Dunn, Tank construction, 4/26/1938
Box 12, Folder 22	Patent No. 2116860, Raymond C. Blaylock and Clem G. Trimbach, Automatic gun chargers, 5/10/1938
Box 12, Folder 23	Patent No. 2116861, Roland Chilton, Dynamic dampers, 5/10/1938
Box 12, Folder 24	Patent No. 2117234, Jonathan R. Austin and Donovan R. Berlin, Emergency balancing means, 5/10/1938
Box 12, Folder 25	Patent No. 2119221, Kenneth Campbell, Engine cowlings, 5/31/1938
Box 12, Folder 26	Patent No. 2120290, Andre J. Meyer, Adjustable combustion chamber engines, 6/14/1938
Box 12, Folder 27	Patent No. 2121950, Roland Chilton, Ball suspended dynamic counterweights, 6/28/1938
Box 12, Folder 28	Patent No. 2122449, Donovan R. Berlin, Aircraft cabins, 7/5/1938, 6/28/1938
Box 12, Folder 29	Patent No. 2124078, Richard E. Palmer and Charles S. J. MacNeil, Jr., Controllable pitch propellers, 7/19/1938, 6/28/1938
Box 12, Folder 30	Patent No. 2127460, Roland Chilton, Engine accessory drives, 8/16/1938
Box 12, Folder 31	Patent No. 2127461, Roland Chilton, Cylinder head attachments, 8/16/1938
Box 12, Folder 32	Patent No. 2127462, Roland Chilton, Rocking dynamic dampers, 8/16/1938
Box 12, Folder 33	Patent No. 2127463, Roland Chilton, Reduction gears, 8/16/1938
Box 12, Folder 34	Patent No. 2127464, Roland Chilton, Planetary reduction gears, 8/16/1938
Box 12, Folder 35	Patent No. 2128983, Werner J. Blanchard, Aircraft power plant control, 9/6/1938
Box 12, Folder 36	Patent No. 2128986, Roland Chilton, Flexible control terminals, 9/6/1938
Box 12, Folder 37	Patent No. 2132605, Roland Chilton, Cylinder heads, 10/11/1938
Box 12, Folder 38	Patent No. 2132659, Ralph D. Speirs, Pattern construction, 10/11/1938
Box 12, Folder 39	Patent No. 2137382, Raymond C. Blaylock, Francis P. Basset, Edward R. Child, and Robert R. Osborn, Wing flaps, 11/22/1938
Box 12, Folder 40	Patent No. 2137384, Kenneth Alan Browne, Fuel metering and distributing systems, 11/22/1938

Box 12, Folder 41	Patent No. 2137385, Arthur G. Butler, Aircraft control systems, 11/22/1938
Box 12, Folder 42	Patent No. 2137386, Kenneth Campbell and Philip B. Taylor, Controllable engine cowlings, 11/22/1938
Box 12, Folder 43	Patent No. 2137390, Roland Chilton, Rotary valves and seals therefor, 11/22/1938
Box 12, Folder 44	Patent No. 2137391, Roland Chilton, Cylinder attachments, 11/22/1938
Box 12, Folder 45	Patent No. 2137399, Vinton Higbie and Raymond W. Young, Aircraft engine intercoolers, 11/22/1938
Box 12, Folder 46	Patent No. 2137400, Henry C. Hill and Arthur Landauer, Crankcase scavenging scoops, 11/22/1938
Box 12, Folder 47	Patent No. 2137418, Charles M. Shay, Dynamic dampers, 11/22/1938
Box 12, Folder 48	Patent No. 2137640, Clem G. Trimbach and Camille R. Lemonier, Flexible gun mount control, 11/22/1938
Box 12, Folder 49	Patent No. 2139367, Norman L. Kearney, Radiator core construction, 12/6/1938
Box 12, Folder 50	Patent No. 2144607, Roland Chilton, Reduction gears, 1/24/1939
Box 13, Folder 1	Patent No. 2146522, Werner J. Blanchard, Motor control systems, 2/7/1939
Box 13, Folder 2	Patent No. 2146523, Maitland B. Bleecker and Godfrey B. Speir, Cowling, 2/7/1939
Box 13, Folder 3	Patent No. 2146524, Maitland B. Bleecker, Dynamic dampers guided for polar and translational movement, 2/7/1939
Box 13, Folder 4	Patent No. 2146527, Allan Chilton, Radial engine connection rods, 2/7/1939
Box 13, Folder 5	Patent No. 2146528, Roland Chilton, Rotary valves, 2/7/1939
Box 13, Folder 6	Patent No. 2146529, Roland Chilton, Magneto mounts, 2/7/1939
Box 13, Folder 7	Patent No. 2146530, Roland Chilton, Spherically formed connecting rod ends and bearings, 2/7/1939
Box 13, Folder 8	Patent No. 2146538, Fredric E. Flader, Adjustable engine cowlings, 2/7/1939
Box 13, Folder 9	Patent No. 2146548, Frank Mitschang, Joseph Mitschang, and Julian C. Wander, Flexible abrasive disks, 2/7/1939
Box 13, Folder 10	Patent No. 2146550, Erol Francis Pierce, Hydraulic valve tappets, 2/7/1939

Box 13, Folder 11	Patent No. 2146554, Peter F. Rossman, Cooling of machine guns, 2/7/1939
Box 13, Folder 12	Patent No. 2150537, Donovan R. Berlin, William O. Watson, and Walter Tydon, Retractable landing gears, 3/14/1939
Box 13, Folder 13	Patent No. 2150540, Allan Chilton, Reduction gears, 3/14/1939
Box 13, Folder 14	Patent No. 2150541, Roland Chilton, Rotary valves, 3/14/1939
Box 13, Folder 15	Patent No. 2150546, Fredric E. Flader, Wing structures, 3/14/1939
Box 13, Folder 16	Patent No. 2150548, Henry C. Hill, Connecting rods, 3/14/1939
Box 13, Folder 17	Patent No. 2154063, Roland Chilton, Rocking dynamic dampers with floating pin supports, 4/11/1939
Box 13, Folder 18	Patent No. 2158270, Kenneth A. Brown, Controllable cowling, 5/16/1939
Box 13, Folder 19	Patent No. 2158272, Roland Chilton, Rocker arm bearings, 5/16/1939
Box 13, Folder 20	Patent No. 2158273, Roland Chilton, Controllable cowling, 5/16/1939
Box 13, Folder 21	Patent No. 2158300, George A. Page, Jr., Retractable landing gears, 5/16/1939
Box 13, Folder 22	Patent No. 2158676, Lloyd F. Engelhardt, Wing flap mechanism, 5/16/1939
Box 13, Folder 23	Patent No. 2162218, Henry C. Hill, Oil seals, 6/13/1939
Box 13, Folder 24	Patent No. 2162227, George A. Page, Jr., Pressure fuselage, 6/13/1939
Box 13, Folder 25	Patent No. 2162243, Kenneth A. Browne, Automatic magneto couplings, 6/13/1939
Box 13, Folder 26	Patent No. 2162259, William D. Kennedy, Engine oil scavenging devices, 6/13/1939
Box 13, Folder 27	Patent No. 2165443, Donovan R. Berlin, Aircraft power plants, 7/11/1939
Box 13, Folder 28	Patent No. 2165447, Kenneth A. Browne, Pressure measuring carburetors, 7/11/1939
Box 13, Folder 29	Patent No. 2165448, Kenneth A. Browne, Turbosuperchargers, 7/11/1939
Box 13, Folder 30	Patent No. 2165453, Allan Chilton, Chester C. DePew, and Roland D. Chilton, Multiple engine power plants, 7/11/1939
Box 13, Folder 31	Patent No. 2165460, Arthur J. Desing, Adjustable length levers, 7/11/1939
Box 13, Folder 32	Patent No. 2165462, Roland Chilton, Reduction gears, 7/11/1939

Box 13, Folder 33	Patent No. 2165463, Roland Chilton, Dynamic torque balancers, 7/11/1939
Box 13, Folder 34	Patent No. 2165482, Paul E. Hovgard, Aircraft wing arrangements, 7/11/1939
Box 13, Folder 35	Patent No. 2169222, Roland Chilton, Dynamic dampers having single support and cam stabilizer, 8/15/1939
Box 13, Folder 36	Patent No. 2169243, Vinton Higbie, Supercharger and coder arrangements, 8/15/1939
Box 13, Folder 37	Patent No. 2172729, Roland Chilton, Centrifugal breathers, 9/12/1939
Box 13, Folder 38	Patent No. 2172741, Wilton G. Lundquist, Crankshaft torsion dampers, 9/12/1939
Box 13, Folder 39	Patent No. 2175825, Kenneth A. Browne and Edward S. Taylor, Engine mounts, 10/10/1939
Box 13, Folder 40	Patent No. 2175852, Kendall Perkins, Turret gun mounts, 10/10/1939
Box 13, Folder 41	Patent No. 2175876, Roland Chilton, One way clutches, 10/10/1939
Box 13, Folder 42	Patent No. 2175931, Clem G. Trimbach, Gun pointing accessories, 10/10/1939
Box 13, Folder 43	Patent No. 2175999, Edward S. Taylor, Flexible engine mounts, 10/10/1939
Box 13, Folder 44	Patent No. 2178953, Roland Chilton, Hydraulic plunger seals, 11/7/1939
Box 13, Folder 45	Patent No. 2178960, Rudolph F. Gagg, Cowling, 11/7/1939
Box 13, Folder 46	Patent No. 2178993, Henry C. Hill, Piston ring arrangements, 11/7/1939
Box 13, Folder 47	Patent No. 2178998, Carl William Scott, Engine cowlings, 11/7/1939
Box 13, Folder 48	Patent No. 2179072, Roland Chilton and Allan Chilton, Planetary reduction gears, 11/7/1939
Box 13, Folder 49	Patent No. 2182961, Roy T. Clay, Vernier controls, 12/12/1939
Box 13, Folder 50	Patent No. 2183011, Rudolph Daub, Radial engine valve gears, 12/12/1939
Box 13, Folder 51	Patent No. 2183020, Henry C. Hill, Ignition harness, 12/12/1939
Box 13, Folder 52	Patent No. 2184734, Roland Chilton, Rocking dynamic dampers, 12/26/1939

Subseries 1.2: International Patents, 1916-1935

Scope and Contents: This subseries consists of information concerning patents issued by Canada, Germany, and the United Kingdom. Canadian materials consist of the original patent certificate, holding the original signature of the Commissioner and containing papers and/or drawings signed by the patent holder. German and British materials do not contain the original patent and instead contain the correspondence between the Curtiss-Wright Patent Division and international patent offices and attorneys. 2 Materials are organized by country, then by patent number.

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Box 14, Folder 1	Canada Patent No. 168910, Glenn H. Curtiss, Hydroaeroplane boats, 4/18/1916
Box 14, Folder 2	Canada Patent No. 173948, Glenn H. Curtiss, Multiple control systems for prime movers, 12/19/1916
Box 14, Folder 3	Canada Patent No. 174099, Glenn H. Curtiss, Lubricating systems for travelling motors, 12/26/1916
Box 14, Folder 4	Canada Patent No. 187241, Charles B. Kirkham, Aerial propeller fastenings, 10/29/1918
Box 14, Folder 5	Canada Patent No. 187331, Glenn H. Curtiss and John P. Tarbox, Multiple step flying boats, 11/5/1918
Box 14, Folder 6	Canada Patent No. 187332, Nelson W. Dalton, Convertible control systems, 11/5/1918
Box 14, Folder 7	Canada Patent No. 187333, Nelson W. Dalton, Streamline shock absorbers, 11/5/1918
Box 14, Folder 8	Canada Patent No. 187334, Henry Kleckler, Tail skids for aeroplanes, 11/5/1918
Box 14, Folder 9	Canada Patent No. 187335, Henry Kleckler, Tail skids for aeroplanes, 11/5/1918
Box 14, Folder 10	Canada Patent No. 187381, Henry Kleckler, Triplanes, 11/12/1918
Box 14, Folder 11	Canada Patent No. 188301, Glenn H. Curtiss, Flying boat hulls, 1/14/1919
Box 14, Folder 12	Canada Patent No. 188302, Glenn H. Curtiss, Aircraft, 1/21/1919
Box 14, Folder 13	Canada Patent No. 190201, Henry Kleckler, Fuselages for aeroplanes, 5/6/1919
Box 14, Folder 14	Canada Patent No. 191903, Glenn H. Curtiss, Triplane flying boats, 7/29/1919
Box 14, Folder 15	Canada Patent No. 192354, Glenn H. Curtiss, Flying boats, 8/26/1919
Box 14, Folder 16	Canada Patent No. 192355, Glenn H. Curtiss, Flying boat hulls, 8/26/1919

Box 14, Folder 17	Canada Patent No. 192469, Glenn H. Curtiss, Autoplanes, 9/2/1919
Box 14, Folder 18	Canada Patent No. 193014, Joseph G. Coffin, Barometer construction, 9/30/1919
Box 14, Folder 19	Canada Patent No. 193580, Glenn H. Curtiss, Triplane speed scouts, 11/4/1919
Box 14, Folder 20	Canada Patent No. 204593, Henry Kleckler, Dual interlocking controls, 10/5/1920
Box 14, Folder 21	Canada Patent No. 206342, William L. Gilmore, Fighting aeroplanes, 12/7/1920
Box 14, Folder 22	Canada Patent No. 206983, John A. Christen, Multiple control systems for multi-motored aircraft, 12/28/1920
Box 14, Folder 23	Canada Patent No. 211904, Thomas S. Kemble, Exhaust mufflers, 5/24/1921
Box 14, Folder 24	Canada Patent No. 217509, William L. Gilmore and Joseph F. Meade, Landing gear, 4/4/1922
Box 14, Folder 25	Canada Patent No. 224499, William L. Gilmore and Glenn H. Curtiss, Hydro-aero machines, 10/3/1922
Box 14, Folder 26	Canada Patent No. 229060, Grover Cleveland Loening, Airplanes, 2/27/1923
Box 14, Folder 27	Canada Patent No. 253211, Grover Cleveland Loening, Airplanes, 9/1/1925
Box 14, Folder 28	Germany Patent No. 81735, Sylvanus Albert Reed, Propeller, 5/3/1935
Box 14, Folder 29	United Kingdom Patent No. 362748, Wright Aeronautical, assignee Roland Chilton, Improvements in or relating to yielding clutches, 12/10/1931
Box 14, Folder 30	United Kingdom Patent No. 363201, Wright Aeronautical, assignee Roland Chilton, Improvements in or relating to cooling devices for internal combustion engines, 12/17/1931
Box 14, Folder 31	United Kingdom Patent No. 371710, Curtiss Aeroplane and Motor Company, assignees George A. Page, Jr., and George E. Warren, Improvements in or relating to cowling rings, 4/28/1932
Box 14, Folder 32	United Kingdom Patent No. 371892, Wright Aeronautical, assignee Rudolph Farewell Gagg, Improvements in or relating to shielding devices for electrical ignition systems, 4/29/1932

[Return to Table of Contents](#)

Series 2: Patent File Wrappers, 1916-1930

1 Boxe

Scope and Contents: A file wrapper is the folder prepared by the United States Patent and Trademark Office containing a complete record of proceedings from the filing of the initial patent application to the issued patent. 3 The original accordion folder containing these materials noted that these were the original assignments relative to the title in Curtiss Aeroplane and Motor Company and Curtiss Assets Corporation matters. Materials are organized by patent number.

3 United States Patent and Trademark Office, "Glossary," <http://www.uspto.gov/main/glossary/#f>, accessed August 18, 2010.

Box 14, Folder 33	File Wrapper - Patent No. 1203550; Related materials, 1916; 1929-1930
Box 14, Folder 34	File Wrapper - Patent No. 1223316, 1917
Box 15, Folder 1	File Wrapper - Patent No. 1246020, 1917
Box 15, Folder 2	File Wrapper - Patent No. 1246027, 1917
Box 15, Folder 3	File Wrapper - Patent No. 1294477, 1919
Box 15, Folder 4-7	File Wrapper - Patent No. 1296730, 1919
Box 15, Folder 8	File Wrapper - Patent No. 1311129, 1919
Box 15, Folder 9	File Wrapper - Patent No. 1316279, 1919
Box 15, Folder 10	File Wrapper - Patent No. 1329342, 1920
Box 15, Folder 11	File Wrapper - Patent No. 1336632, 1920
Box 15, Folder 12	File Wrapper - Patent No. 1420610, 1922
Box 15, Folder 13	File Wrapper - Patent No. 1653122, 1927
Box 15, Folder 14	Chain of Title of Curtiss Patents, 1930-1954
Box 15, Folder 15	Curtiss Matters [unfiled material], UNDATED

[Return to Table of Contents](#)

Series 3: Patent Litigation, 1916-1947

2 Boxes

Scope and Contents: The Curtiss-Wright Corporation was involved in numerous legal disputes with other major aircraft companies over patent rights. The majority of the series consists of materials dated between 1929 and 1934 placed in files by Curtiss-Wright during the pursuit of patent litigation. File contents include copies of the proceedings, correspondence and memoranda, aircraft drawings and blueprints, advertising brochures, and copies of related patents. The series also contains copies of patents that were not associated with a case file, but might have been used for research. Materials are arranged by a file number created by Curtiss-Wright, followed by unfiled materials ordered by date.

Materials were originally stored in accordion folders, with additional manila folders inside. The front page of the accordion folder, which contained the case name, case number, and a list of the patents involved, was placed in the first folder of each file number.

Box 16, Folder 1	File No. 291, Curtiss Assets Corporation vs. Consolidated Aircraft Corporation, Equity No. 748, Proceedings, 1929
Box 16, Folder 2	File No. 291, Curtiss Assets Corporation vs. Consolidated Aircraft Corporation, Equity No. 748, The New York, Rio, and Buenos Aires Line Incorporated, 1929
Box 16, Folder 3	File No. 291, Curtiss Assets Corporation vs. Consolidated Aircraft Corporation, Equity No. 748, General Three Suits, 1929
Box 16, Folder 4	File No. 310, Curtiss Assets Corporation vs. The Waco Aircraft Company, Equity No. 268, Proceedings, 1930
Box 16, Folder 5	File No. 310, Curtiss Assets Corporation vs. The Waco Aircraft Company, Equity No. 268, Correspondence, 1930
Box 16, Folder 6	File No. 310, Curtiss Assets Corporation vs. The Waco Aircraft Company, Equity No. 268, Waco information, UNDATED
Box 16, Folder 7	File No. 311, Curtiss Aeroplane and Motor Company, Inc., vs. The Waco Aircraft Company, Equity No. 269, Proceedings and copies, 1929
Box 16, Folder 8	File No. 315, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 805, Proceedings, 1930-1933
Box 16, Folder 9	File No. 315, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 805, Correspondence and blueprints, 1930-1933
Box 16, Folder 10	File No. 315, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 805, Patents in suit, 1916-1922
Box 16, Folder 11	File No. 316, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 845, Proceedings, 1930-1933

Box 16, Folder 12	File No. 316, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 845, Correspondence, 1930-1931
Box 17, Folder 1	File No. 316, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 845, [Notices, Stipulations, Blueprints], 1930-1931
Box 17, Folder 2	File No. 316, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 845, Date Re: Evidence [Orville Wright Interview and Correspondence], 1931-1932
Box 17, Folder 3	File No. 316, Curtiss Assets Corporation vs. Bellanca Aircraft Corporation, Equity No. 845, Extra copies and memorabilia, 1930-1933
Box 17, Folder 4	File No. 321, Curtiss Assets Corporation vs. Ford Motor Company, Equity No. 864, Proceedings, 1930-1931
Box 17, Folder 5	File No. 321, Curtiss Assets Corporation vs. Ford Motor Company, Equity No. 864, Correspondence, 1930-1934
Box 17, Folder 6	File No. 321, Curtiss Assets Corporation vs. Ford Motor Company, Equity No. 864, Papers to be filed as needed at hearing [Notice and stipulation], 1931
Box 17, Folder 7	File No. 321, Curtiss Assets Corporation vs. Ford Motor Company, Equity No. 864, Memoranda, 1931-1932
Box 17, Folder 8	File No. 321, Curtiss Assets Corporation vs. Ford Motor Company, Equity No. 864, Wright patent for Improvement in Flying Machines, original issued December 29, 1914, copied May 15, 1931, 1914
Box 17, Folder 9	File No. 325, Curtiss Assets Corporation vs. Nicholas-Beazley Airplane, Co., Inc., Equity No. 269, Proceedings, 1931
Box 17, Folder 10	File No. 325, Curtiss Assets Corporation vs. Nicholas-Beazley Airplane, Co., Inc., Equity No. 269, Memoranda and copies of patents in suit, 1930-1931
Box 17, Folder 11	File No. 325, Curtiss Assets Corporation vs. Nicholas-Beazley Airplane, Co., Inc., Equity No. 269, Correspondence, 1929-1932
Box 17, Folder 12	Patent No. 1122348 - Assignment, October 30, 1930
Box 17, Folder 13	Aerial Camera and Mapping Patents, 1916-1930
Box 17, Folder 14	Bellanca Patents, 1931-1932
Box 17, Folder 15	Non-Curtiss-Wright Patents, 1916-1931

Box 17, Folder 16

Docket No. 19832, Tom Clark v. Wright Aeronautical Corporation, 1947

[Return to Table of Contents](#)

Series 4: Curtiss-Wright Corporation Records, 1906-1945

1 Boxe

Scope and Contents: This series consists of business records collected and released by the Curtiss-Wright Corporation. Included are photocopies of twenty-three historical Curtiss-Wright documents including the Wright brothers' original patent certificate and other Wright patents, Glenn Curtiss' original patent for the first flying boat, and stock certificates issued to Wright Aeronautical Corporation. The location of the original documents is unknown. The series holds research reports and documents submitted to the U.S. Navy Department Bureau of Aeronautics. The series also contains the 1944 and 1945 minutes and reports from the Curtiss-Wright Patent Department and Development Division Technical Committee. Materials are arranged chronologically.

Box 18, Folder 1-2 Photocopies of Historic Curtiss-Wright Documents, 1906-1928

Box 18, Folder 3 International Nickel Company, Directory, United States Aircraft Engine Manufacturers, First Edition, February 1, 1930

Box 18, Folder 4 Statements by F.H. Russell to the Patents Committee of the U.S. House of Representatives Regarding the Manufacturers Aircraft Association, Inc., December 4, 1935

Box 18, Folder 5 [Report to U.S. Navy Department] Wright Aeronautical Corporation, Serial No. 248, Supplement No. 1, Report on Fifty Hour Endurance Test at 750 HP, 1950 RPM of Wright Cyclone Model SGH-1820F2 Engine No. 17920 with W.A.C. Dynamic Damper, January 26, 1935

Box 18, Folder 6 [Report to U.S. Navy Department] Wright Aeronautical Corporation, Serial No. 248, Supplement No. 2, Report on Endurance Testing of the W.A.C. Dynamic Damper on Wright Cyclone Model SCR1820F-2 Engine No. 17920, March 18, 1935

Box 18, Folder 7 [Report to U.S. Navy Department] Wright Aeronautical Corporation, Serial No. 248, Supplement No. 2, Appendix No. 1, Report on Endurance Testing of the W.A.C. Dynamic Damper on Wright Cyclone Model SCR1820F-2 Engine No. 17920, March 18, 1935

Box 18, Folder 8 [Report to U.S. Navy Department] Wright Aeronautical Corporation, Serial No. 248, Supplement No. 3, Report on Summary of Testing on W.A.C. Dynamic Damper, April 1, 1935

Box 18, Folder 9 [Report to U.S. Navy Department] Wright Aeronautical Corporation, Serial No. 248, Supplement No. 4, Report on Torsional Vibration Characteristics of the W.A.C. Dynamic Damper on a Direct Drive SR-1820F-52 Engine, April 25, 1935

Box 18, Folder 10 [U.S. Navy Department Experimental Contract] Pathfinder Apparatus - Instructions, 1944

Box 18, Folder 11 [U.S. Navy Department Experimental Contract] Pathfinder Apparatus - Correspondence, 1944

Box 18, Folder 12	Curtiss-Wright Development Division Technical Committee, 1944-1945
Box 18, Folder 13	Numbers Assigned to Curtiss-Wright Projects, 1944-1945
Box 18, Folder 14	Curtiss-Wright Patent Department - Monthly and Annual Reports, 1944-1945

[Return to Table of Contents](#)