MS-109 Clayton J. Brukner collection

Collection Number: MS-109

Title: Clayton J. Brukner Collection

Dates: 1929-1963

Creator: Waco Aircraft Company

Summary/Abstract:
The Clayton J. Brukner collection documents the operation of an airplane manufacturing company, which was located in Troy, during the first half of the 20th century. The Collection consists of business records of the Waco Aircraft Company which was owned by Brukner, and various printed materials relating to aviation, books, journals, yearbooks, etc.

Quantity/Physical Description: 21 linear feet

Language(s): English

Repository:
Special Collections and Archives, University Libraries, Wright State University, Dayton, OH 45435-0001, (937) 775-2092

Restrictions on Access:
There are no restrictions on accessing material in this collection.

Restrictions on Use:
Copyright restrictions may apply. Unpublished manuscripts are protected by copyright. Permission to publish, quote, or reproduce must be secured from the repository and the copyright holder.

Preferred Citation:
[Box Number, Folder Number], MS-109, the Clayton J. Brukner collection, Special Collections and Archives, University Libraries, Wright State University, Dayton, Ohio

Acquisition:
The Clayton J. Brukner Collection was donated to Wright State University Special Collections and Archives by Joanne Heidelberg in September 1980. An addition to the collection was donated at an unknown date.

Separated Material:
The list that follows describes the printed materials separated from the collection and cataloged into the Special Collections Library.

Books:

Aerospace Industries Association of America, Inc. Aerospace Facts and Figures 1963 Los Angeles: Aero Publishers, Inc., 1963.

Aviation Industries Association. Aviation Facts and Figures 1945. New York: McGraw-Hill Book Company, Inc., 1945.

Brim, Daniel J., Jr., and Boggess, H. Edward. Airplane and Engine Maintenance for the Airplane Mechanic. New York: Pitman Publishing Corporation, 1936.

Airplane and Engine Maintenance for the Airplane Mechanic. New York: Pitman Publishing Corporation, 1939.

Colvin, Fred H., and Colvin, Henry F. The Aircraft Handbook New York: McGraw-Hill Book Company, Inc., 1928.

Esso Inc. Community Airports and Airparks. New York: n.p., 1945.

Langley, M. Metal Aircraft Construction. London: Sir Isaac Pitman & Sons, Ltd., 1934.

Niles, Alfred S., and Newell, Joseph S. Airplane Structures. New York: John Wiley & Sons, Inc., 1929.

Teichmann, Frederick K. Airplane Design Manual. New York: Pitman Publishing Corporation, 1942.

Weick, Fred E. Aircraft Propeller Design. New York: McGraw-Hill Book Company, Inc., 1930.

Annuals and Yearbooks:
1. Aircraft Yearbook. 1929; 1931-1954. 24 vols.
2. AIAA Bulletin. (American Institute of Aeronautics and Astronautics). May, 1964 - February, 1965. 5 issues.
3. AIAA Journal. December 1963. 1 issue.
4. International Antique Airplane News. May 1961; May-October 1973. 3 issues.
5. Junior Aircraft Yearbook. 1936; 1938. 2 volumes.
6. S.A.E. Transactions. (Society of Automotive Engineers) 1927; 1930-1946; 1954-1955; 1957. 20 volumes.

Government Documents:
1. National Advisory Committee for Aeronautics. Annual Report. 1919-1920; 1922; 1924; 1927-1942. 20 volumes.
2. National Advisory Committee for Aeronautics. Bibliography of Aeronautics. 1917-1919; 1923; 1925-1932. 10 volumes.

Manuals and Handbooks:
1. Aviation Maintenance and Operations. Construction and Operation Issue. February 1946. 1 volume.

2. S.A.E. Handbook. 1971; 1977. 3 volumes.

Related Material:
MS-165 Peter B. Kline Papers
MS-178 John J. Rose Papers
MS-241 Frank Whittle Papers

Processed by:
Wesley B. Henry, Feb 1981
Seanne Finley, Oct 2012

Arrangement:
The Clayton J. Brukner Collection is organized into seven subseries and seventeen subseries:

Series I: Corporate Minutes
Series II: Financial Records
- Subseries IIA: Monthly Balance Sheets
- Subseries IIB: Profit & Loss Statements
- Subseries IIC: Audit Reports
- Subseries IID: Daily Sales Reports

Series III: Corporate Administrative Files
- Subseries IIIA: Shareholder Files
- Subseries IIIB: Central Aircraft Council
- Subseries IIIC: Defense Plant Corporation
- Subseries IIID: Reconstruction Finance Corporation

Series IV: Subject Files (A-Z)
Series V: Waco Products
Series VI-Manufacturers Aircraft Association Files,
- Subseries VIA: Board of Directors
- Subseries VIB**:** Treasurer
- Subseries VIC: Quarterly Reports
- Subseries VID: General Correspondence
- Subseries VIE: Bulletins
- Subseries VIF: Patent Cases
- Subseries VIG: Patent Arbitrations
- Subseries VIH: Patent Digest
- Subseries VII: Patent Digest - British Supplement

Series VII: Publications

Biographical Note
Clayton John Brukner was born December 18, 1896 in Ravenna, Nebraska, the youngest of seven children of John and Rachel Brukner. After a brief move to Burkeville, Virginia, the Brukners settled in Battle Creek, Michigan where Clayton entered school, graduating from Battle Creek Central High School in 1915.

Always interested in electronics and machines, Clayton found work as an electrical maintenance man at the Postum Company in Battle Creek. He later went to work for the Curtiss Aeroplane and Motor Company in Buffalo, New York and then to Aeromarine and Standard Aircraft Company.

With assistance from George E. "Buck" Weaver, Brukner and his closest friend, James Elwood Junkin, formed an aircraft company in 1920 and agreed to call it the Weaver Aircraft Company or Waco for short. The company was situated at Weaver's airfield in Lorain, Ohio.

In 1923 Brukner and Junkin moved to Troy, Ohio where they formed the Advance Aircraft Company, keeping the name Waco to describe the company's aircraft. During the twenties and thirties, Brukner's company turned out numerous civil aircraft models achieving dominance in the light aircraft field.

In June 1929, Brukner changed the name of his company from the Advance Aircraft Company to the Waco Aircraft Company. The company continued to specialize in light civil aircraft, both open cockpit and cabin designs.

During World War II, Waco designed and built primary trainers and troop and cargo carrying gliders for the Army Air Forces. During the war, Waco built 1,607 CG-3, CG-4, CG-13, and CG-15 gliders and other companies built, on contract, 13,402 additional gliders.

After the war, Brukner and his company concentrated on building airplane parts and small machinery, declining to compete in the civil aircraft market. In 1963, Brukner sold his company to Allied Aero Industries, Inc. of Syracuse, NY. The Troy plant was closed soon after.

Interested in increasing cooperation among the aircraft companies in the country, Brukner was active in the Manufacturers Aircraft Association, an organization which served to disseminate information throughout the aircraft industry.

Always an avid lover of nature, Brukner bought land for a wildlife refuge seven miles from Troy in 1934. This became known as the Brukner Nature Center which was incorporated on June 27, 1967 by the State of Ohio for educational purposes. An active civic leader in Troy, Brukner served on the board of the Stouder Memorial Hospital from 1945-1950. One wing of the hospital, built largely from Brukner's financial assistance, was named for him in 1972.

Clayton J. Brukner died on December 26, 1977. He was buried at Lyons Lake Cemetery in Marshall, Michigan.

Scope and Content

Series I of the Clayton J. Brukner Collection contains corporate minutes of the Waco Board of Directors from April 30, 1940 through February 4, 1963. Also included are minutes from stockholder's meetings during the same period.

Series II consists of various financial records of the Waco Company. The series includes monthly balance sheets, profit and loss statements, audit reports and sales reports covering the years 1930-1962. The researcher should be aware, however, that there are several gaps in the series.

Series III contains corporate administrative files from 1940-1959. This series includes various files dealing with Waco's involvement with several government and industry-based organizations and programs during the years of World War II. Also included in the series are files of Waco shareholders from 1945-1959.

Series IV contains correspondence arranged alphabetically, covering the years 1929 to 1972, although the bulk of the correspondence centers around the years 1930 to 1945. The majority of the correspondence is business oriented including inter-office memorandums, but there are also files concerning government agencies and professional institutions.

Series V covers material concerning Waco products built from 1934-1945. This series includes instruction manuals and parts lists for several models of Waco cabin aircraft built from 1934-1939. The numerical drawing lists for the Waco military gliders refer to blueprints that are not part of the Brukner collection. Production information for the CG-4A, CG-15A and C-62 aircraft are included and a few photographs of Waco aircraft are located at the end of the file.

Series VI consists of material pertaining to the Manufacturers Aircraft Association, an organization that Brukner was very active in. Most of the series contains issues of three M.A.A. publications, the M.A.A. Bulletins, the M.A.A Patent Arbitrations and the M.A.A Patent Digests. The M.A.A Bulletins deal with legal matters such as patent infringements that concerned the aeronautical companies in the United States. The Bulletins also dealt with changes in government regulations which may have had an immediate impact on the aircraft manufacturers. The M.A.A. Arbitrations deal solely with patent claims and royalty awards. The file also includes patent licenses awarded to Waco. The M.A.A. Patent Digests are abridgements of United States airplane patents that had been newly awarded. These three publications cover the years from roughly 1930 to 1962, and there are British supplements to the Patent Digest for the years 1936 through 1961.

The researcher should be aware that there are several gaps in these files, the largest being in the Patent Digest from 1950 to 1959 inclusive. The indexes for those years are present however, and are located chronologically in the Patent Digest series.

This series also contains correspondence regarding the M.A.A. and several patent cases involving Waco.

The last series, number VII, consists of various published newsletters and magazines of aeronautical organizations including Waco. The publications cover the years 1943 to 1965 but the researcher should be advised that these files are very sparse with only a few examples of these publications available in the collection. A substantial amount of printed materials relating to aeronautics has been separated from the collection and catalogued into the Special Collections Library.

Subject Terms

Persons/Families
Brukner, Clayton John, 1896-1977

Organizations/Corporate Names
Waco Aircraft Company
Aircraft Manufacturer's Association

Places
Troy (Ohio)

Subjects
WACO airplanes -- History

Material Types
Paper
Blueprints

Collection Inventory

Series I: Corporate Minutes

Box	File	Description	Date
1	1	Waco Board of Directors Minutes (includes Stockholder's Meetings)	Apr. 30, 1940-Dec. 2, 1946
	2	Waco Board of Directors Minutes (includes Stockholder's Meetings)	Feb. 1, 1957-Dec. 27, 1957
	3	Waco Board of Directors Minutes (includes Stockholder's Meetings)	Jan. 6, 1958-Dec. 7, 1959
	4	Waco Board of Directors Minutes (includes Stockholder's Meetings)	Feb. 1, 1960-Dec. 22, 1961
	5	Waco Board of Directors Minutes (includes Stockholder's Minutes)	Jan. 2, 1962-Feb. 4, 1963

Series II: Financial Records

Subseries IIA: Monthly Balance Sheets

Box	File	Description	Date
1	6	Monthly Balance Sheets	June 1930-Dec. 1943
	7	Monthly Balance Sheets	Jan. 1944-Dec. 1945
	8	Monthly Balance Sheets	Jan. 1946-Dec. 1947
	9	Monthly Balance Sheets	Jan. 1948-Sept. 1949
	10	Monthly Balance Sheets	Oct. 1954-Dec. 1954
	11	Monthly Balance Sheets	Jan. 1955-Dec. 1955
1	12	Monthly Balance Sheets	Jan. 1956-Dec. 1956
	13	Monthly Balance Sheets	Apr. 1957-Dec. 1957
	14	Monthly Balance Sheets	Jan. 1958-Dec. 1958

Box	File	Description	Date
2	1	Monthly Balance Sheets	Jan. 1959-Nov. 1959
	2	Monthly Balance Sheets	Jan. 1960-Dec. 1960
	3	Monthly Balance Sheets	Jan. 1961-Dec. 1961
	4	Monthly Balance Sheets	Jan. 1962-July 1962

Subseries IIB: Profit and Loss Statements

Box	File	Description	Date
2	5	Profit and Loss Statements	1930-1941
	6	Profit and Loss Statements	1942-1944
	7	Profit and Loss Statements	1945-1947
	8	Profit and Loss Statements	1948-1949; Sept. 1962
	9	Break-Even Chart	April 1948

Subseries IIC: Audit Reports

Box	File	Description	Date
2	10	Audit Reports	1934-1938
	11	Audit Reports	1939-1942
3	1	Audit Reports	1943-1946
	2	Audit Reports	1947-1952
	3	Audit Reports	1953-1956
	4	Audit Reports	1957-1959
	5	Audit Reports	1960-1962

Sub-series IID: Daily Sales Reports

Box	File	Description	Date
3	6	Daily Sales Reports	Oct. 1, 1938-Sept. 27, 1939
	7	Daily Sales Reports	Oct. 1, 1939-Sept. 30, 1940
	8	Daily Sales Reports	Oct. 1, 1940-Sept. 28, 1941
	9	Daily Sales Reports	Oct. 3, 1941-Nov. 20, 1942

Series III: Corporate Administrative Files

Subseries IIIA: Shareholder Files

Box	File	Description	Date
3	10	Reports to Shareholders	1945-1959
	11	Material for Annual Stockholder's Meeting	1958-1959
	12	Copy of 1954 Proxy	

Subseries IIIB: Central Aircraft Council

4	1	Central Aircraft Council Correspondence	1943-1946
	2	Central Aircraft Council Agenda for June 23, 1944 Meeting	1944

Subseries IIIC: Defense Plant Corporation

Box	File	Description	Date
4	3	Approved Contracts	1942-1943

Box	File	Description	Date
4	4	Approved Contract Change Orders	1941-1944
	5	Approved Bid Tabulations	1942-1943
	6	Correspondence Jan. 1942-Sept. 1942	1942
	7	Correspondence Oct. 1942-Feb. 1946	1942-1946
	8	Easement Survey	
	9	Disposition - DPC Owned Plant and Equipment	1943-1945
	10	Emergency Facilities (Waco)	1942-1943
	11	DPC Emergency Facilities Appendix A	
5	1	Emergency Facilities, Applications and Schedules	1941-1943
	2	Emergency Facilities, Reports and Schedules	1940-1945
	3	DPC Owned Equipment and Machinery Inventories	1944-1945
	4	Equipment Lists	1945-1946
	6	Regulations	1941
	7	Waco Schedule and Plant Drawings	
	8	Supervising Engineer and Division Engineer – Correspondence	1942
	9	Supervising Engineer and Division Engineer – Correspondence	1943
	10	Supervising Engineer and Division Engineer – Correspondence	1944-1947
6	1	Surplus Construction Materials and Equipment	1943-1944

Subseries IIID: Reconstruction Finance Corporation

Box	File	Description	Date

6	2	Washington and Cleveland Offices	1941-1942
	3	Washington and Cleveland Offices	1943-1946
	4	Machinery and Equipment Purchased by Waco, First Lists	1945
	5	Machinery and Equipment Purchased, Final Lists	1946
	6	Office of Defense Plants Termination Procedure	1945

Subseries IIIE: War Production Board

Box	File	Description	Date
6	7	Correspondence	1942-1943
	8	Correspondence	1944-1945
	9	Aircraft Division	1945

Box	File	Description	Date
6A	1	Waco Board of Directors minutes	1954
	2	Waco Board of Directors minutes	1955
	3	Waco Board of Directors minutes	1956
	4	Waco Board of Directors minutes	1957
	5	Statement of Profit and Loss	Jan 1931-1937
	6	Statement of Profit and Loss	1935-1938
	7	Financial statements	1939, 1941
	8	Notice of annual meeting of stockholders	1953

Series IV: Subject Files (A-Z)

Box	File	Description	Date
6	10	Accounting and Payroll Departments	1942-1952
	11	Aeronautical Chamber of Commerce of America	1934-1935
	12	Air Compressor	1942
	13	Aircraft Owners & Pilots Association, Correspondence	1943-1947

Box	File	Description	Date
7	1	Aircraft Shows and Contests	1935-1941
	2	American Institute of Electrical Engineers	1953
	3	Army Air Force Accounting	1942-1943
	4	Army Air Force Inspections	1941-1944
	5	Army Air Force Miscellaneous Resident Personnel-Correspondence	1943-1945

Box	File	Description	Date
7	6	Army Air Force Representative and Contracting Officers	1942-1946

	7	Auburn Automobile Company	1929-1930
	8	Aviation Manufacturing Corporation	1938-1939
	9	"A" Miscellaneous	1929-1941
	10	"A" Miscellaneous	1942-1958
	11	Bahnson Company	1942
	12	Baker, Lester R.	1941-1947
	13	Baker, M.P.	1940-1945
	14	Battelle & Battelle	1934-1955
	15	Bonds - Government	1942-1952
	16	Broomhall, Baird	1945-1954
	17	"B" Miscellaneous	1930-1941
8	1	"B" Miscellaneous	1942-1958
	2	Carpenter, C.C.	1941-1949
	3	Carpenter, C.C.; Memos to, Re: Plancor 398	1942-1943
	4	Carpenter, C.C.; Memos from, Re: Plancor Project	1942
	5	Carpenter, C.C.; Memos from	1943
	6	Civilian Air Patrol	1941-1942
	7	Civilian Air Patrol League	1944-1945
	8	Clark, E.R.	1942
	9	Conn, Arthur S.	1937-1938
	10	Continental Aircraft Engine Company	1929-1945
	11	Conversion-Contract 4160	1945
	12	Corwin, R.G.	1935-1940
	13	Cranes-Factory	1941-1942
	14	Curtiss Aeroplane Division (Curtiss Wright Corp.)	1940-1941
	15	Curtiss Aeroplane & Motor Lawsuit	1930
	16	Curtiss Assets Corporation Lawsuit	1930
	17	Curtiss Lawsuit Correspondence	1930
9	1	"C" Miscellaneous	1928-1941
	2	"C" Miscellaneous	1942-1957
	3	Department of Commerce, Bulleting & Regulations	1931-1938
	4	Department of Commerce, Correspondence	1928-1938
	5	Diatherm Correspondence	1943-1944
	6	Door Insulation	1943-1944
	7	Doors & Operators	1942-1943
	8	Dry Kiln	1941-1942
	9	"D" Miscellaneous	1930-1941

Box	File	Description	Date
9	10	Eclipse Aviation Corporation	1933-1937

	11	EDO Aircraft Company	1930-1939
	12	Executive Order 9240 & Amendment 9248 (Overtime Pay)	1942-1943
10	1	Executive Order 9250 (Wage Stabilization)	1942-1945
	2	"E" Miscellaneous	1930-1939
	3	Fire Protection	1942-1943
	4	Forest Products Laboratory	1942-1949
	5	Foster, C.H.	1942-1943
	6	"F" Miscellaneous	1929-1940
	7	Geyer & Neuffer, Architect-Engineers	1942-1944
	8	Ginder, W.L., Testimony Transcript	Feb 1944
	9	Government Bids Rejected	1967-1972
	10	Government Contracting	1948-1950
	11	Government Contracting	1951-1954
	12	Gramm Trailer Corporation Bread Truck Body Project	1947-1948
	13	Gramm Trailer Production Diary	1948
	14	"G" Miscellaneous	1929-1938
11	1	Hospital Care Corporation	1940-1942
	2	Housing & Transportation of Employees	1942
	3	Humidifiers & Humidistats	1940-1943
	4	"H" Miscellaneous	1929-1940
	5	Immigration & Naturalization Service, U.S. Dept. of Labor	1940
	6	Independent Aviation Operators	1934
	7	Institute of Aeronautical Sciences	1933-1940
	8	Invention - C.J. Brukner Personal	1945
	9	Iron Fireman	1940-1944
	10	"J" Miscellaneous	1932-1942
	11	Kelso-Wagner-Cuttell-Etc. Power and Light	1942-1943
	12	King, Tower W.	1942-1943
	13	"K" Miscellaneous	1933-1940
	14	Lighting	1941-1948
	15	Local Airport Information	1945-1948
	16	Luscombe, D.A.	1932-1933
	17	"L" Miscellaneous	1930-1941
	18	Machinery & Equipment Lists	1947
12	1	Maintenance Department	1942-1945
	2	Military Aviation News Clippings	1934
	3	Miscellaneous Correspondence with Manufacturers	1952-1961
	4	"M" Miscellaneous	1928-1951
	5	National Advisory Committee for Aeronautics	1930-1952
	6	National Aeronautic Association	1932-1939
Box	File	Description	Date
12	7	National Aeronautic Association	1940-1948

	8	National Air Races	1931-1939
	9	National Air Tour	1931
	10	National Association of State Aviation Officials	1934-1939
	11	Neitis, Matt	1932-1939
	12	Nicholas-Beazley Airplane Company	1929-1931
	13	Notices, Announcements to Waco Personnel	1940-1952
	14	"N" Miscellaneous	1931-1940
	15	Office of Production Management	1941-1942
13	1	Ohio Aviation Board	1932-1952
	2	Ohio Sales Assessment Case	1940-1941
	3	Onan, D.W. & Sons	1934-1949
	4	Ort, Karl	1934
	5	"O" Miscellaneous	1930-1931
	6	Parker, Charles	1936-1939
	7	Pearson, Russell E.	1935-1941
	8	Pearson, Russell E.	1950-1958
	9	Perry, H.R.	1930-1949
	10	Perry, H.R.	1950-1957
	11	Personnel Department	1944-1946
	12	Plancor 398	1942-1943
	13	Plant Protection Department	1942
	14	Production Planning Department	1941-1951
14	1	Projects (Special) Plancor 398	1942-1944
	2	Purchasing Department	1941-1949
	3	Putnam-King Court Case	1938-1939
	4	"P" Miscellaneous	1930-1941
	5	"P" Miscellaneous	1942-1952
	6	"Q" Miscellaneous	1958
	7	R.R. Siding	1941-1947
	8	Renegotiation-Waco	1943
	9	Republic P-47 Engine Mounts	1942-1944
	10	Rockwood Sprinkler Company	1942-1944
	11	Rototiller	1934-1950
	12	"R" Miscellaneous	1931-1940
	13	"R" Miscellaneous	1942-1955
	14	Sales & Service Depts.	1942-1950
	15	Shroyer vs Brukner Lawsuit	1934
	16	Sluice Gate	1931-1953
	17	Social Security Act Reports	1937-1941
	18	Stedman, C.T.	1932-1935
	19	Stevens & Davis	1945
Box	File	Description	Date
14	20	Stinson Lawsuit	1937

15	1	Steel	1942
	2	St. John, L.E.	1934-1944
	3	Sub-Contract Division	1942-1944
	4	Sub-in-Contracting	1944
	5	Surplus Equipment-Plancor 398	1942-1948
	6	Surplus Equipment-Waco	1947-1949
	7	"S" Miscellaneous	1929-1941
	8	"S" Miscellaneous	1942-1958
	9	Tax Amortization Information	1940-1942
	10	Tax Amortization Information	1943-1944
	11	Termination of Contracts	1944
	12	Termination Division	1944
	13	Thompson vs Defense Plant Corporation	1943-1945
	14	Thompson, J.J.	1942-1943
16	1	Truscon Steel Co., Doors	1942-1944
	2	"T" Miscellaneous	1928-1941
	3	"T" Miscellaneous	1942-1958
	4	Utility Lines	1943
	5	Vultee Aircraft, Inc.	1941-1942
	6	"V" Miscellaneous	1928-1940
	7	Waco Code of Regulations & By-Laws	1944-1947
	8	Waco Donations	1944-1945
	9	Waco Inspection Manual No. 1	1944
	10	War Department	1930-1941
	11	Weihmiller, H.G.	1943-1945
	12	Weihrauch, E.V.	1942-1949
	13	Wood and Daum Company	1943-1944
	14	Worker Training	1940-1943
	15	Worksheets	1941
	16	Worksheets	1942
17	1	Worksheets	1942-1943
	2	Wright Aeronautical Corporation	1945-1946
	3	"W" Miscellaneous	1930-1941
	4	"XYZ" Miscellaneous	1929-1940

Box	File	Description	Date
17A	1	Battelle and Battelle audit	1957
	2	Battelle and Battelle audit	1958
	3	Battelle and Battelle audit	1959

Box	File	Description	Date
17A	4	Battelle and Battelle audit	1960

5	Battelle and Battelle audit	1961
6	Battelle and Battelle audit	1962
7	Blueprints	1958-1963
8	Blueprint-oil cooler	Jul 1930
9	Blueprint-Waco	Aug 1932
10	Bylaws-Waco	1929
11	Catalogues	1935, 1943-1949, undated
12	Cycle-weld	1942-1943
13	Correspondence-general	1938-1943
14	Correspondence-general	1944-1948
15	Correspondence- M.A.A. Inc.	1933-1936, 1949
16	Correspondence-Marechal and Noe	1932-1935
17	Drawing of proposed factory addition	Oct 1941
18	Drawing–hand	Undated
19	Federal Seal & Gear Corp.	1956-1962
20	Gresen Manufacturing Company	1958-1960
21	Material direct requisition form	1955
22	Mono-Spar	1933-1934
23	Straight time ticket stub	Undated
24	Statement of Policy-Cooperative Service Agreement	1945, 1948
25	Two-control Aircraft	1939-1944
26	Weick, Fred E.	1938-1947
27	Wilkie, W. J.-resume	1947

Series V: Waco Products

Box	File	Description	Date
17	5	Instruction Manuals and Parts Price Lists for Waco Cabin Aircraft	1934-1939
	6	CG-3A Parts Catalog	1943
	7	CG-4A Numerical Drawing List	1944-1945
	8	CG-4A Production	1943-1944
	9	CG-4A Production Charts	1943-1944
	10	CG-4A Production Charts	1943-1944
18	1	XCG-13 Blueprints	
	2	XCG-13 Drawing List	1942
	3	XCG-13 Drawing List	1943
	4	CG-13A Parts Catalog	1944
	5-7	CG-15A Drawing List	1945
	8	CG-15A Tooling & Production	1944-1945
Box	File	Description	Date
18	9	C-62 Production	1942-1944

	10	Waco F-7 Detail Specifications	1939
	11	Waco "F" Stress Analysis	
	12	Waco UPF-7 Detail Specifications	1939

Box	File	Description	Date
19	1	Waco Model KCA Drawing List	1931
	2	Waco Nine Stress Analysis	
	3	Glider Correspondence	1941-1945
	4	Glider Engineering Services	1942-1944
	5	Glider Production Reports	1943-1945
	6	Waco Aircraft Photographs	

Series VI: Manufacturers Aircraft Association Files

Subseries VIA: Board of Directors

19	7	Manufacturers Aircraft Association(M.A.A.) Board of Directors	1931-1935
	8	M.A.A. - Board of Directors	Sept. 1939-Dec. 1941
	9	M.A.A. - Board of Directors	Sept. 1939-Dec. 1941
	10	M.A.A. - Board of Directors	Jan. 1942-Dec.1943
20	1	M.A.A. - Board of Directors	Jan. 1944-Jan.1941

Subseries VIB: Treasurer

20	2	M.A.A. – Treasurer	Feb. 1931-Jan.1941

Subseries VIC: Quarterly Reports

20	3	M.A.A. - Quarterly Reports	Mar. 1932-Dec.1939
	4	M.A.A. - Quarterly Reports	June 1940-Sept. 1942
	5	M.A.A. - Quarterly Reports	Mar. 1943-Sept. 1947

Subseries VID: General Correspondence

20	6	M.A.A. - General Correspondence	1929-1937
21	1	M.A.A. - General Correspondence	1938-1943
	2	M.A.A. - General Correspondence	1944-1946
	3	M.A.A. - General Correspondence	1947-1949

Subseries VIE: Bulletins

Box	File	Description	Date

21	4	M.A.A. - Bulletins, #7 - #105	Sept. 1929-Feb. 1939
	5	M.A.A. - Bulletins, #106 - #143	Mar. 1939-Oct.1940
	6	M.A.A. - Bulletins, #145 - #163	Jan.-Apr. 1941
22	1	M.A.A. - Bulletins, #164 - #190	May 1941-Mar.1942
	2	M.A.A. - Bulletins, #192 - #203	Apr.-July 1942
	3	M.A.A. - Bulletins, #208 - #235	Sept. 1942-Aug. 1943
	4	M.A.A. - Bulletins, #238 - #254	Sept. 1943-Apr. 1944
	5	M.A.A. - Bulletins, #256 - #264	May 1944
	6	M.A.A. - Bulletins, #267 - #287	June-Sept 1944
	7	M.A.A. - Bulletins, #289 - #293	Oct.-Nov. 1944
23	1	M.A.A. - Bulletins, #295 - #314	Feb.-Aug. 1945
	2	M.A.A. - Bulletins, #315 - #352	Sept. 1945-Mar. 1946
	3	M.A.A. - Bulletins, #354 - #366	Apr.-May 1946
	4	M.A.A. - Bulletins, #368 - #390	June-Oct. 1946
	5	M.A.A. - Bulletins, #392 - #485	Dec. 1946-Dec.1948

Subseries VIF: Patent Cases

23	6	Esnault-Pelterie Patent Infringement	1930-1939
	7	Great Britain-Interchange of Patent Rights and Other Information	1942-1960
24	1	Junkers Patent Negotiations - M.A.A.	1937-1938
	2	Martin, James V., Patents	1931-1936
	3	Martin, James V., Patents	1937-1940
	4	Martin, James V., Patent Drawings	
	5	Myers, George F., Patents	1929-1939
	6	Patent Search for Flush Connection for Wing Fabrics	1938
	7	Patent Searches	1930-1931
	8	Patent Searches	
	9	Soft copies of patents	
	10	Soft copies of patents - Waco licensed, Non-royalty	
25	1	Soft copies of patents - Waco licensed, Non-royalty	
	2	Miscellaneous Patents	

Subseries VIG: Patent Arbitrations

25	3	M.A.A. - Patent Arbitrations, #4 - #15	
	4	M.A.A. - Patent Arbitrations, #16 - #27	
Box	File	Description	Date
25	5	M.A.A. - Patent Arbitrations, #28 - #38	

	6	M.A.A. - Patent Arbitrations, #39 - #47
	7	M.A.A. - Patent Arbitrations, #48 - #53
26	1	M.A.A. - Patent Arbitrations, #54 - #60
	2	M.A.A. - Patent Arbitrations, #61 - #68
	3	M.A.A. - Patent Arbitrations, #69 - #72
	4	M.A.A. - Patent Arbitrations, #73 - #77
	5	M.A.A. - Patent Arbitrations, #78 - #84
	6	M.A.A. - Patent Arbitrations, #85 - #92
27	1	M.A.A.- Patent Arbitrations, #93 - #97
	2	M.A.A.- Patent Arbitrations, #98 - #104
	3	M.A.A.-Patent Arbitrations, #105 - #110
	4	M.A.A.-Patent Arbitrations, #111 - #115
	5	M.A.A.-Patent Arbitrations, #116 - #121
	6	M.A.A.-Patent Arbitrations, #122 - #128
28	1	M.A.A.-Patent Arbitrations, #129 - #250
	2	M.A.A.-Patent Arbitrations, #251 - #257
	3	M.A.A.-Patent Arbitrations, #258 - #265
	4	M.A.A.-Patent Arbitrations, #266 - #273

Subseries VIH: Patent Digest

28	5	M.A.A. - Patent Digest	Jan.-Oct. 1930
	6	M.A.A. - Patent Digest	Nov.-Dec. 1930
	7	M.A.A. - Patent Digest	Jan.-June 1931
29	1	M.A.A. - Patent Digest	July-Dec. 1931
	2	M.A.A. - Patent Digest	Jan.-May 1932
	3	M.A.A. - Patent Digest	June-Dec. 1932
	4	M.A.A. - Patent Digest	Jan.-June 1933
	5	M.A.A. - Patent Digest	July-Dec. 1933
	6	M.A.A. - Patent Digest	Jan.-Apr. 1934
	7	M.A.A. - Patent Digest	May-Aug. 1934
30	1	M.A.A. - Patent Digest	Sep.-Dec. 1934
	2	M.A.A. - Patent Digest	Jan.-Apr. 1935
	3	M.A.A. - Patent Digest	May-Aug. 1935
	4	M.A.A. - Patent Digest	Sep.-Dec. 1935
	5	M.A.A. - Patent Digest	Jan.-June 1936
	6	M.A.A. - Patent Digest	July-Dec. 1936
	7	M.A.A. - Patent Digest	Jan.-Apr. 1937
Box	File	Description	Date
31	1	M.A.A. - Patent Digest	May-Sep. 1937

	2	M.A.A. - Patent Digest	Oct.-Dec. 1937
	3	M.A.A. - Patent Digest	Jan.-Sep. 1938
	4	M.A.A. - Patent Digest	June-Sep. 1938
	5	M.A.A. - Patent Digest	Oct.-Dec. 1938
	6	M.A.A. - Patent Digest	Jan.-Apr. 1939
	7	M.A.A. - Patent Digest	May-Aug. 1939
	8	M.A.A. - Patent Digest	Sep.-Dec. 1939
32	1	M.A.A. - Patent Digest	Jan.-Apr. 1940
	2	M.A.A. - Patent Digest	May-Aug. 1940
	3	M.A.A. - Patent Digest	Sep.-Dec. 1940
	4	M.A.A. - Patent Digest	Jan.-Apr. 1941
	5	M.A.A. - Patent Digest	May-Aug. 1941
	6	M.A.A. - Patent Digest	Sep.-Dec. 1941
	7	M.A.A. - Patent Digest	Jan.-Apr. 1942
33	1	M.A.A. - Patent Digest	May-Aug. 1942
	2	M.A.A. - Patent Digest	Sep.-Dec. 1942
	3	M.A.A. - Patent Digest	Jan.-Apr. 1943
	4	M.A.A. - Patent Digest	May-Aug. 1943
	5	M.A.A. - Patent Digest	Sep.-Dec. 1943
	6	M.A.A. - Patent Digest	Jan.-Apr. 1944
	7	M.A.A. - Patent Digest	May-Aug. 1944
	8	M.A.A. - Patent Digest	Sep.-Dec. 1944
34	1	M.A.A. - Patent Digest	Jan.-Apr. 1945
	2	M.A.A. - Patent Digest	May-Aug. 1945
	3	M.A.A. - Patent Digest	Sep.-Dec. 1945
	4	M.A.A. - Patent Digest	Jan.-Feb. 1946
	5	M.A.A. - Patent Digest	Mar.-May 1946
	6	M.A.A. - Patent Digest	June-Sep. 1946
	7	M.A.A. - Patent Digest	Oct.-Dec. 1946
	8	M.A.A. - Patent Digest	Jan.-May 1947
35	1	M.A.A. - Patent Digest	June-Sep. 1947
	2	M.A.A. - Patent Digest	Oct.-Dec. 1947
	3	M.A.A. - Patent Digest	Jan.-Apr. 1948
	4	M.A.A. - Patent Digest	May-Aug. 1948
	5	M.A.A. - Patent Digest	Sep.-Dec. 1948
	6	M.A.A. - Patent Digest	Jan.-Apr. 1949
	7	M.A.A. - Patent Digest	May-Aug. 1949
	8	M.A.A. - Patent Digest	Sep.-Dec. 1949

Box	File	Description	Date
36	1	M.A.A. - Patent Digest Indexes	1950-1954

	2	M.A.A. - Patent Digest Indexes	1956-1959
	3	M.A.A. - Patent Digest	Jan.-Feb. 1960
	4	M.A.A. - Patent Digest	March 1960
	5	M.A.A. - Patent Digest	Apr.-May 1960
	6	M.A.A. - Patent Digest	June-July 1960
	7	M.A.A. - Patent Digest	Aug.-Sep. 1960
	8	M.A.A. - Patent Digest	Oct.-Nov. 1960
37	1	M.A.A. - Patent Digest	December 1960
	2	M.A.A. - Patent Digest	Jan.-Feb. 1961
	3	M.A.A. - Patent Digest	Mar.-Apr. 1961
	4	M.A.A. - Patent Digest	May-June 1961
	5	M.A.A. - Patent Digest	July-Sep. 1961
	6	M.A.A. - Patent Digest	Oct.-Nov. 1961
	7	M.A.A. - Patent Digest	December 1961
	8	M.A.A. - Patent Digest	Jan.-Apr. 1962

Box	File	Description	Date
37A	1	Patent arbitration-M.A.A. arbitration No. 21	1931-1932
	2	Patent arbitration-M.A.A. arbitration No.88	1941-1942
	3	M.A.A. No. 115-flush cover access opening	1934-1940
	4	Patent-M.A.A. No. 153	1936, undated
	5	M.A.A. No. 154-fuel tank construction	1937
	6	Patent- M.A.A. No. 330	1940
	7	Patent- M.A.A. No. 330	1940-1947
	8	Patent- M.A.A. No. 330-blueprint	Sep 1939

Subseries VII: Patent Digest – British Supplement

38	1	M.A.A. - Patent Digest	Apr.-Dec. 1936
	2	M.A.A. - Patent Digest	Jan.-Dec. 1937
	3	M.A.A. - Patent Digest	Jan.-May 1938
	4	M.A.A. - Patent Digest	June-Dec. 1938
	5	M.A.A. - Patent Digest	Jan.-Oct. 1939
	6	M.A.A. - Patent Digest, Index only	1940
	7	M.A.A. - Patent Digest, Index only	1946
	8	M.A.A. - Patent Digest	Mar.-Dec. 1952
	9	M.A.A. - Patent Digest	Mar.-Dec. 1953
	10	M.A.A. - Patent Digest	Mar.-Sep. 1954
	11	M.A.A. - Patent Digest	Mar.-Dec. 1955
	12	M.A.A. - Patent Digest	Mar.-Dec. 1956

Box	File	Description	Date
39	1	M.A.A. - Patent Digest	Mar.-Dec. 1957

	2	M.A.A. - Patent Digest	Mar.-Dec. 1958
	3	M.A.A. - Patent Digest	Mar.-Dec. 1959
	4	M.A.A. - Patent Digest	Mar.-Dec. 1960
	5	M.A.A. - Patent Digest	Mar.-June 1961

Box	File	Description	Date
39A	1	Landing gear installation blueprint	1936
	2	License-fuel cell	1950-1956, 1961
	3	Patents	1931-1935
	4	Patents	Dec 1936-Jul 1937
	5	General information pamphlet on patents	1931
	6	Patent-aircraft landing gear-shackle and wheel mount	1937-1942
	7	Landing gear shackle disclosure	1937
	8	Patent-aircraft landing gear-tri-cycle	1938-1941
	9	Patent-Curtiss-Wright	1936-1938
	10	Patent-Christensen-Hydraulic packing ring	1942
	11	Patent-Fowler Flap	1933-1938
	12	Patent-McPherson-COWL Ventilator	1933-1935
	13	Patent-Stickley 1,815,597	1931-1939

Series VII: Publications

39	6	Aircraft War Production Council, Inc. Bulletins	July 1943 – Nov. 1944
	7	Automotive Council for War Production Bulletins	Jan.-Sep. 1945
	8	National Aeronautic Association Magazine – National Aeronautics	Feb. 28, 1949-Apr. 10, 1952
	9	OX5 Club, By-laws & Rosters	1959-1965
	10	OX5 News	Oct. 1962 – Oct. 1965
	11	OX5 Wingding	Apr. 1959 – July 1960
	12	OX5 Club Miscellaneous	1961-1964
	13	Quadrant	July 1962 – Oct. 1965
	14	Slipstream	Jan. 1959 – Dec. 1963
	15	The Waco Word	Dec. 1943 – Apr. 1945