

# LIBERTY AVIATION MUSEUM



CA.17.1

Wesley R. Hoffman Collection

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## **Introduction**

This collection of papers was given to the Liberty Aviation Museum by Marsha Hill, daughter of Wesley R. Hoffman in August 2017. This collection consists of original mechanical and technical drawings for the former Focke Wulf Condor 200 airplane that was manufactured by Focke Wulf Flugzeugbau AG of Bremen, Germany in the 1930s. These papers were the property of Wesley R. Hoffman, and upon his death in January 2017, they were bequeathed to his daughter, Marsha Hill. Permission to use this collection for research purposes was granted by the donor.

## **Biographical Sketch**

Wesley R. Hoffman was born on 16 February 1930 to Arthur and Wanda Hoffman in Carroll Township, Ottawa County, Ohio. Mr. Hoffman was born and raised in and around the Oak Harbor, Ohio area, and lived much of his life there. In 1951, he married Joyce O. Wohlers and they remained married until her death in November 2016. During his lifetime, he was an electrician, was an avid enthusiast of aviation history, and possessed a private pilot's license.

This collection features archives of rare original mechanical and technical drawings for an airplane that no longer exists. These drawings acquired by Mr. Hoffman, in the 1950s, from an acquaintance who was cleaning an [unknown type] airplane out, took them from a refuse box. Mr. Hoffman asked the individual if he could keep the drawings, and this person said, yes, he could keep them because he was preparing to throw the box in the garbage. Hoffman being familiar with aviation, knew these drawings were unique, stored them in a safe for several decades. Mrs. Marsha Hill

indicated that some monetary offers were made to her father throughout the years, but he never accepted any of them and kept them until his passing.

### **Scope and Content**

This collection consists of Seventy-Eight (78) mechanical and technical aviation drawings. The text of the drawings are written and printed in German. The text has been translated as close as possible, with Google Translate from German to English. The English translation are listed in the inventory. These are technical drawings that would have been used by the manufacturer for fabrication of mechanical parts and (plausibly) assembly of the Focke Wulf Condor 200 aircraft. Some of the drawings were rendered by BMW Flugmotorenbau GmbH of Munich, Germany. The types of drawings in this collection are of engine components, piping, fittings, lubrication systems, cowlings, cowl doors, molded panels, floor panels, defroster, seals, inducer, and other related components. The drawings seem not to be a complete set for the entire aircraft. They are arranged, digitally, by drawing number in chronological order. The original paper drawings are stored in an oversized, acid-free, archival storage box; they remain in the same original order as they were when first received by the Liberty Aviation Museum. They were digitally scanned for Liberty by the Preservation Department of the Cleveland Public Library, Main Building, located on Superior Avenue in Cleveland, Ohio.

### **Inventory**

#### **Digital File**

<b>Denomination#</b>	<b>Drawing #</b>	<b>Description</b>	<b>Release Date</b>
8-200.632-S.35	8-200.632-1409	Verstärkungsblech = Support Panel	Ca. 1939
	8-200.632-1410	Verstärkungsring = Reinforcement Ring	Ca. 1939
	8-200.632-1411		Ca. 1939
	8-200.632-1401	Klappen Blech = Fold Sheet Metal	Ca. 1939
		Verkleidungblech = Cladding Sheet	

NA	8-200.619	Enteisungsanlage = Defroster	6/7/1938
8-200.619-S.2	8-200.619-0305	Schelle = Clamp	Ca. 1939
	8-200.619-0302	Schelle = Clamp	Ca. 1939
	8-200.619-0301	Schelle = Clamp	Ca. 1939
	8-200.619-0101	Rohr = Pipe	Ca. 1939
	8-200.619-01	Ruhrkrummer = Elbow pipe	Ca. 1939
	8-200.619-0304	Schelle = Clamp	Ca. 1939
	8-200.619-0303	Schelle = Clamp	Ca. 1939
8-200.620-S.3	8-200.620-01	Schmierstoffbehälter-Formmaße = Lubricant Container Moldings	Ca. 1938
8-200.620-S.4	8-200.620-0101	Mantelbleche = Shell plates	Ca. 1938
	8-200.620-0102		
8-200.620-S.5	8-200.620-0104	Behälterboden = Container Bottom	Ca. 1938
	8-200.620-0103		
8-200.620-S.7	8-200.620-0123	Gabelblech = Fork Plate	Ca. 1938
	8-200.620-0131	Dichtung = ???	Ca. 1938
	8-200.620-0124	Lager, Schnitt A-B = ???	Ca. 1938
	8-200.620-01 H01	HG-Beschlag = Fitting	Ca. 1938
8-200.620-S.8	8-200.620- 01H02	HG Beschlag = Fitting	Ca. 1938
		Rohr = Pipe	Ca. 1938
	8-200.620-0138	Rohr = Pipe	Ca. 1938
	8-200.620-0122	Auge = Eye	Ca. 1938

	8-200.620-0140	Rohr = Pipe	Ca. 1938
	8-200.620-0139		
8-200.621-S.3	8-200.621-01	Armaturen Befestigung = fitting attachments	Ca. 1938
8-200.621-S.9	8-200.621-18	Rohrkrümmer = Elbow	Ca. 1939
	8-200.621-1401	Rohr = Pipe	Ca. 1938
	8-200.621-14	Entlüftungsleitung = Vent Line	Ca. 1938
	8-200.621-1801	Rohr = Pipe	Ca. 1939
8-200.621-S.5	8-200.621-0201	Rohr = Pipe	Ca. 1939
	8-200.621-02	Rohrkrümmer für Ölvarlauf = Pipe Elbow for Oil Supply	Ca. 1939
	8-200.621-04		Ca. 1939
	8-200.621-0401	Rohrkrümmer für Ölvarlauf = Elbos for Oil Supply	Ca. 1939
	8-200.621-0302	Rohr = Pipe	Ca. 1939
	8-200.621-0301	Rohr = Pipe	Ca. 1939
	8-200.621-03	Rohr = Pipe Ölhahuberbrückung = Oil tap bypass	Ca. 1939
8-200.621-S.7	R8-200.621-0901	Schweißstutzen = Weld stubs	Ca. 1938
		Dichtkegel = Sealing Cone	Ca. 1938
	8-200.621-0903	T-Stück = Tee	Ca. 1938
	8-200.621-09	Schweißstutzen = Weld stubs	Ca. 1938
	8-200.621-0901	Schweißstutzen = Weld stubs	
	8-200.621-0902		
8-200.621-S.8	8-200.621-1302	Rohr = Pipe	Ca. 1938

	8-200.621.1301	Rohr = pipe	Ca. 1938
	8-200.621.1702	Rohr = Pipe	Ca. 1938
	8-200.621.1701	Rohr = Pipe	Ca. 1938
	8-200.621-16	Oel Kühlerbefestigung = Oil Cooler Attachment	Ca. 1938
	8-200.621-1601		Ca. 1938
	8-200.621-17	Gabelbolzen = Clevis Pin Krummerfur Schmierstoff-Leitung = Manifold for Lubricant Pipe	Ca.1938
8-200.621-S.6	8-200.621-0701	Rohr = Pipe	Ca. 1938
	8-200.621-0801	Rohr = Pipe	Ca. 1938
	8-200.621-07	Leitung = Pipe manifold for refill pipe	Ca. 1938
	8-200.621-0702	Schweißstutzen = Weld Stubs	Ca. 1938
	8-200.621-08	Rohr Krummer fur Auffulleitung = Pipe Manifold for refill pip	Ca. 1938
	8-200.621-0802	Dichtkegel = Sealing Cone	Ca. 1938
8-200.621-S.12	8-200.621-2412	Schelle = Clamp	Ca. 1939
	8-200.621-2411	Befestigungsblech = Mounting Plate	Ca. 1939
	8-200.621-2406	Schielle = Clamp	Ca. 1939
	8-200.621-2410	????? = Clamp?	Ca. 1939
	8-200.621-2405	Schelle = Clamp	Ca. 1939
	8-200.621-2407	Schelle = Clamp	Ca. 1939
	8-200.621-2408	Schelle = Clamp	Ca. 1939
	8-200.621-2404	Schelle = Clamp	Ca. 1939

	8-200.621-2403	Befestigungsblech = Mounting Plate	Ca. 1939
8-200.623-S.1	8-200.623	Abgas-Austritte = Boiler Panel	Ca. 1938
8-200.627-S.4	8-200.027	Enteisungsanlage = Defroster	Ca. 1939
8-200.628-S.8	8-200.628.09	Abstutzung f. Spreizklappentragring = Support for Flaps	Ca. 1939
8-200.628-S.10	8-200.628.20	Anbauteile am Ring 3 = Attachments on Ring 3	Ca. 1939
8-200.628-S.11	8-200.628.20	Anbauteile am Ring 3 = Attachments on Ring 3	Ca. 1939
8-200.628-S.12	8-200.628.20	Anbauteile am Ring 3 = Attachments on Ring 3	Ca. 1939
8-200.628-S.13	8-200.628-2060	Lasche = Flap	Ca. 1939
	8-200.628-2061	Lasche = Flap	Ca. 1939
	8-200.628-2015	U-Belch = U Sheet	Ca. 1939
8-200.629-S.7	8-200.629-0906	Schraubstutzen = Screw Neck	Ca. 1939
	8-200.629-17	Olkuhlerbefestigung = Oil Cooler Attachment	Ca. 1939
	8-200.629-0907		Ca. 1939
	8-200.629-16	Dichtkegel = Sealing Cone	Ca. 1939
	8-200.629-1601	Alkuhlerbefestigung = Radiator Monitoring	Ca. 1939
	8-200.629-0501	Rohr = Pipe	Ca. 1939
	8-200.629-0502	Rohrhälfte = Half Pipe	Ca. 1939
	8-200.629-0901	Rohrhälfte = Half Pipe	Ca. 1939
	8-200.629-0902	Rohr = Pipe	Ca. 1939
	8-200.629-09		Ca. 1939

	8-200.629-05	Rohr = Pipe  Abzweigstück = Pipe Branch  Rohrkrümmer für Ölrücklauf = Elbow for Oil return	Ca. 1939
8-200.629-S.4	8-200.629-0101	Trager = Carrier	Ca. 1939
8-200.630-S.12	8-200.630-0607	Mantelblech = Shell Plate	Ca. 1939
	8-200.630-0613	Blech = Sheet	Ca. 1939
	8-200.630-0605	Stützenhälfte = Support Half	Ca. 1939
	8-200.630-0608	Seitenblech = Sheet	Ca. 1939
	8-200.630-0606	Leitblech = baffle	Ca. 1939
8-200.630-S.6	8-200.630-0102	Gewindebolzen = Threaded Bolt	Ca. 1939
	8-200.630-0501	Einsatz = ???	Ca. 1939
	8-200.630-0502	Lager = ???	Ca. 1939
	8-200.630-05	Lagerung f. Andrehkurbel = ???	Ca. 1939
8-200.630-S.11	8-200.630-0716	Blech = Sheet	Ca. 1939
	8-200.630-0709	Hebel = Lever	Ca. 1939
	8-200.630-0706	Winkel = ???	Ca. 1939
	8-200.630-0711	Bolzen = Bolt	Ca. 1939
	8-200.630-0710	Kugelzapfen = Ball Pin	Ca. 1939
	8-200.630-0707	Bolzen = Bolt	Ca. 1939
	8-200.630-0713	Siebrahmen = Screen Frame	Ca. 1939
	8-200.630-0708	Winkelhebel = ?? Lever	Ca. 1939
	8-200.630-0705	Winkel = ???	Ca. 1939

	8-200.630-07H01	Umlenkelle = Return Shaft	Ca. 1939
8-200.630-S.8	8-200.630-0601	Unterteil = Lower part	Ca. 1939
8-200.630-S.9	8-200.630-0602	Mantelblech = Shell Plate	Ca. 1939
	8-200.630-0603	Seitenblech = Page Sheet	Ca. 1939
	8-200.630-0604	Seitenblech = Page Sheet	Ca. 1939
8-200.632-S.6	8-200.632 Bl.6	Formmaße für A-Profile = Form dimensions for A-profiles	Ca. 1939
8-200.632-S.1	8-200.632-	Innere Verkleidung = Inner Panel	Ca. 1939
8-200.632-S.2	8-200.632 Bl.2	Innere Verkleidung = Inner Panel	Ca. 1939
8-200.632-S.7	8-200.632-01	Vorderer Ring = Front Ring	Ca. 1939
8-200.632-S.9	8-200.632-02	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.11	8-200.632-03	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.14	8-200.632-05	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.17	8-200.632-08	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.19	8-200.632-09 Bl.2	Anbauteile für Ring 3 = Attachments for Ring 3	Ca. 1939
8-200.632-S.21	8-200.632-09 Bl.4	Anbauteile für Ring 3 = Attachments for Ring 3	Ca. 1939
8-200.632-S.34	8-200.632-14	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.36	8-200.632-15	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.39	8-200.632-16	Heizkesselverkleidung = Boiler Panel	Ca. 1939
8-200.632-S.54	8-200.632-19	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.8	8-200.632-0609	Einfassung = Mount	Ca. 1939



	8-200.632-T5	A-Profil = A-Profile	Ca. 1939
	8-200.632-T6	A-Profil = A-Profile	Ca. 1939
	8-200.632-0109	Winkle = ???	Ca. 1939
	R8-200.632-0101	Vorderer Ring = Front Ring	Ca. 1939
8-200.632-S.22	8-200.632-0902	Profil = Profile	Ca. 1939
	8-200.632-0903	Profil = Profile	Ca. 1939
8-200.632-S.24	8-200.632-0905	Blech = Sheet	Ca. 1939
	8-200.632-0911	Blech = Sheet	Ca. 1939
	8-200.632-0914	Blech = Sheet	Ca. 1939
8-200.632-S.25	8-200.632-0917	U Profil = U Profile	Ca. 1939
	8-200.632-0913	Verkleidungsblech = Cowling	Ca. 1939
	8-200.632-0922	Einfassung = Mount	Ca. 1939
	8-200.632-0909	Winkel = ???	Ca. 1939
	8-200.632-0910	Winkel = ???	Ca. 1939
	8-200.632-0912	Scharnierhälfte = Hinge Half	Ca. 1939
	8-200.632-0920	Hülse = Shell	Ca. 1939
8-200.632-S.31	8-200.632-1201	Verkleidungsblech = Cowling	Ca. 1939
8-200.632-S.12	8-200.632-1301	Verkleidungsblech = Cowling	Ca. 1939
	8-200.632-0701	Verkleidungsblech = Cowling	Ca. 1939
	8-200.632-T3	Blechstreifen = Metal Strip	Ca. 1939
	8-200.632-T4	A-Profil = A Profile	Ca. 1939
8-200.632-S.38	8-200.632-1501	Verkleidungsblech = Cowling	Ca. 1939

	8-200.632-1502	Klappenblech = Froid Sheet Metal	Ca. 1939
	8-200.632-1503	Verstärkungsring = Reinforcement Ring	Ca. 1939
	8-200.632-1511		Ca. 1939
	8-200.632-T7	Versteifungsprofil = Stiffening Profile A-Profil = A Profile	Ca. 1939
8-200.632-S.43	8-200.632-17	Verkleidungsklappe = Cowling Door	Ca. 1939
8-200.632-S.53	8-200.632-1805	Düsenblech = Nozzle Plate	Ca. 1939
	8-200.632-1806	Einfassung = Mount	Ca. 1939
	8-200.632-1807	Dichtstreifen = Sealing Strips	Ca. 1939
	8-200.632-1809	A Profil = A Profile	Ca. 1939
	8-200.632-1810	A Profil = A Profile	Ca. 1939
8-200.632-S.41	8-200.632-1602	Verkleidungsblech = Cowling	Ca. 1939
	8-200.632-1609	Bock = Trestle?	Ca. 1939
	8-200.632-1205	Verstärkungsrahmen = Reinforcing Frame	Ca. 1939
8-200.632-S.42	8-200.632-1603	Verkleidungsblech = Cowling	Ca. 1939
	8-200.632-1604	Profil = Profile	Ca. 1939
8-200.632-S.44	8-200.632-1701	Verkleidungsblech = Cowling	Ca. 1939
8-200.632-S.45	8-200.632-1705	Klappenverkleidung = Flap Liner	Ca. 1939
	8-200.632-1708	Bock = Testle?	Ca. 1939
8-200.632-S.49	8-200.632-1801	Bodenblech = Floor Panel	Ca. 1939
8-200.632-S.50	8-200.632-1802	Seitenblech = Page Sheet	Ca. 1939
8-200.632-S.51	8-200.632-1803	Seitenblech = Page Sheet	Ca. 1939

8-200.632-S.52	8-200.632-1804	Verkleidungsblech = Cowling	Ca. 1939
8-200.632-S.55	8-200.632-????	Verstärkungstreifen = Reinforcement Strips	Ca. 1939
	8-200.632-1906	Kell = ??	Ca. 1939
	8-200.632-0104	A-Profil = A-Profile	Ca. 1939
	8-200.632-1408	A-Profil = A-Profile	Ca. 1939
	8-200.632-0207	A-Profil = A-Profile	Ca. 1939
	8-200.632-0807	A-Profil = A-Profile	Ca. 1939
	8-200.632-1901	Verkleidungsblech = Cowling	Ca. 1939
8-200.632-S.4	8-200.632 Bl.4	Formmaße für A-Profile = Form dimensions for A-profiles	Ca. 1939
NA	9-801.722-030.12 (BMW Flugmotorenbau GmbH, Munchen)	Laderrad = Pully	Ca. 1944
NA	9-801.722-040.12	Laderrad = Pully	Ca. 1944
NA	9-801.722-050.12	Vorsatzläufer = Inducer	Ca. 1944
NA	9-801.730-073.22	Deckel = Cover	Ca. 1940 - 1947
NA	9-801.730-403.14	Anlaufstift = Start Up Pen?	Ca. 1940 - 1942
NA	9-801.730-728.14	Welle (vollst.) = ?? (Complete)	Ca. 1940

NA	9-801.730-832.12	Ölpumpe (vollst.)= Oil Pump (Complete)	Ca. 1940
NA	9-801.738-860.12	Absaugpumpe vollst. = Suction pump completely	Ca. 1943
NA	9-801.739-860.12	Oelabsaugpumpe vollst. = Oil suction pump completely	Ca. 1942
8-200.627-S.1	NA	Engine Line?	?
8-200.622-S.1	8-200.622	Triebwerksgestange = Engine Linkage	Ca. 1938
8-200.6??-?.?	?	Engine Lines?	?
8-200.624-S.1	8-200.624 Bl.7	Triebwerksgestange = Engine Linkage	Ca. 1939
8-200.628-S.3	8-200.628 Bl:3	FormmaBe f. Innere Verkleidung = Forming f. Inner Panel	Ca. 1939
8-200.632-S.48	8-200.632-18 Bl.2	Ölkühler – Verkleidung FormmaBe = Oil cooler - Panel Molding	Ca. 1939
8-200.632-S.3	8-200.632 Bl.3	FormmaBa für Innere Verkleidung = Molded Interior Panel	Ca. 1939
8-200.632-S.5	8-200.632 Bl.5	FormmaBe für A-Profile = Form Dimensions for A-profiles	Ca. 1939

\* Objects in relation to the Wesley R. Hoffman papers of the Hill Collection, Accession 2017.29, can be viewed upon request, on site, at the Liberty Aviation Museum in Port Clinton, Ohio. \*