



Finding Aid for

**FORD MOTOR COMPANY AIRCRAFT LITERATURE,  
BLUEPRINTS, AND PHOTOGRAPHS COLLECTION, 1938-1945  
Accession 754**

Finding Aid Published: January 2011



20900 Oakwood Boulevard · Dearborn, MI 48124-5029 USA  
research.center@thehenryford.org · www.thehenryford.org

## The Henry Ford

### **FORD MOTOR COMPANY AIRCRAFT LITERATURE, BLUEPRINTS, AND PHOTOGRAPHS COLLECTION, 1938-1945 Accession 754**

#### **SCOPE AND CONTENT NOTE**

The Ford Motor Company Aircraft Literature, Blueprints, and Photographs collection consists of four series. **Ford Motor Company Material series, 1941-1944 (0.4 cubic ft.)**, includes correspondence and general letters from P. A. Weyl who worked in the Ford Motor Company's Aircraft Engineering Department during World War II and was an engineering liaison with various government production offices. Also included is a drafting room standards manual and an engine testing manual. The **Aircraft Product and Parts and Service Literature series, 1938-1945 (2 cubic ft. and 1 oversize box)**, includes catalogs, manuals, and promotional brochures from aircraft manufacturers and parts suppliers covering myriad parts, assemblies, and subassemblies used in manufacturing and repairing aircraft engines. The **Publications and Technical Papers series, 1939-1945 (1 cubic ft.)**, includes aircraft industry technical publications, scientific journal articles, and test reports covering a wide range of technical issues specific to the design and production of aircraft and aircraft engines. The **Blueprints and Photographs series (4.8 cubic ft.)**, circa 1942-1945, includes various sized design drawings for magneto parts and assemblies produced by the Scintella Magneto Company, a subsidiary of Bendix Aviation Corporation, during World War II and photographs from the Pratt & Whitney R2800 Engine Parts Catalog, 1942-1945. The catalog material consists of black and white photographs and photostats used to illustrate the Pratt & Whitney R2800 engine service manual.

## **BOX AND FOLDER LISTING**

**Box no.                      Description**

---

### **FORD MOTOR COMPANY MATERIAL**

#### **Box 1**

P. A. Weyl records, 1942-1944  
American Standards Association Technical Data Digest, 1942-1943  
Automotive Council for War Production, 1944  
Ford Decimal System, 1941-1943  
General Correspondence, 1943-1944  
National Advisory Committee for Aeronautics, 1942-1943  
Technical Papers, 1941-1942  
Presentation Material, Engine Troubleshooting, circa 1944  
Drafting Room Standards, 1942  
Aircraft Engine Testing Manual, 1943

### **AIRCRAFT PRODUCT AND PARTS AND SERVICE LITERATURE**

#### **Box 2**

A. C. Spark Plug (General Motors), 1942-1943  
A. F. Holden Company, 1942 and 1944  
Acheson Colloids Corporation, undated  
APCO Mossberg, undated  
Lear Aviation, 1944  
Aircraft Screw Products, 1939-1944 (8 publications)  
Allen Manufacturing Company, undated  
Aluminum Company of America (ALCOA), 1940-1943 (5 publications)  
American Blower Corporation, 1938-1941  
American Bosch Corporation, undated  
American Foundry Equipment Company, 1943  
B. G. Spark Plugs, undated  
Bacharach Industrial Instruments Company, 1941  
Baldwell & McAlister Incorporated, 1943  
Blackhawk Manufacturing Company, undated  
Boots Aircraft Nut Corporation, 1943  
Bristol Company, 1940  
Bundy Tubing Company, undated  
C. F. Pease Company, undated  
Cannon Electric Development Company, 1940  
Chandler Evans Corporation, undated  
Chas. A Strelinger Company, undated  
Clayton Manufacturing Company, 1941 and 1944  
Commercial Engineering Laboratories, undated  
Cuno Engineering Corporation, undated  
Curtiss-Wright Corporation, 1941-1943  
Delco Products, 1942  
Dole Valve Company, 1945

**AIRCRAFT PRODUCT AND PARTS AND SERVICE LITERATURE  
(CONT.)**

**Box 2 (cont.)**

E. B. Wiggins Oil Tool Company, 1944  
Eclipse Aviation, 1940  
Fisher & Porter Company, 1945  
Fulton Sylphon Company, 1940  
General Electric, 1940 and 1943  
Gulf Oil Corporation, undated  
H. O. Terice Company, 1940  
Hamilton Manufacturing Company, 1940  
Hamilton Standard Propellers, 1942  
Illinois Tool Works, 1942  
Jack & Heintz (JAHCO), 1944  
Kollsman Instrument Division (Square D Company), 1944  
Koppers Company, undated  
Lamson & Sessions Company, undated  
Landis Tool Company, undated  
Lear Corporation Product and Service Manual, circa 1955 (oversize box 13)  
Leeds & Northrop Company, 1940  
Lewis Engineering Company, 1938  
Lisle Corporation, undated  
McGill Manufacturing Company, undated (6 publications)  
Meriam Company, 1940  
Midland Machine Corporation, 1942  
National Motor Bearing Company, 1943  
National Shim Seals, undated  
Palnut Company, undated  
Physicists Research Company, 1942  
Pratt & Whitney Aircraft (United Aircraft), 1939  
RCA Manufacturing Company, undated  
Revere Copper & Brass Company, 1945

**Box 3**

Rowe Radio Research Laboratory, undated  
S. K. Wellman Company, 1941  
Scintilla Magneto (Bendix Aviation), 1941  
Sheffield Corporation, 1944  
Sperry Products Incorporated, 1940  
Standard Electric Time Company, undated  
Stanley Works, undated  
Taylor Instrument Company, 1941  
Thomas A. Edison Incorporated, undated  
Tinius Olsen Testing Machine Company, 1944  
Titeflex, 1942  
Tubing Seal-Cap Incorporated, 1944

**AIRCRAFT PRODUCT AND PARTS AND SERVICE LITERATURE  
(CONT.)**

**Box 3 (cont.)**

Victor Manufacturing & Gasket Company, 1942  
Weatherhead Aviation, 1944  
Westinghouse Electric & Manufacturing Company, undated  
Wright Aeronautical Corporation (Curtiss-Wright), 1942-1943  
Yale & Towne Manufacturing Company, 1940

**PUBLICATIONS AND TECHNICAL PAPERS**

**Publications**

Aero Digest, 1940 and 1943  
Aviation, "Spark Plug Bushing," 1942  
Bearing Engineer, 1942  
Champion Spark Plug Company, "Spirit of Champion," 1943  
Curtiss Wright Propeller Division, "Bladesman," 1944  
General Electric, "Special Products Catalog," 1943  
Industrial Heating, 1944-1945  
Iron Age, "Coated Abrasive Belts Make War History," 1945  
Metals Review, 1944  
New Equipment Digest, 1941 and 1945  
Pratt & Whitney Aircraft, "Western Flying," 1944  
Radio News, 1945  
Spicer Drive Line, 1944-1945

**Technical Papers**

American Standards Association  
    "Statistical Method of Control," 1940  
    "Technical Data Digest," 1942-1943  
Atmospheric Tables, 1940  
Civil Aeronautics Board, "Aircraft Engine Airworthiness," 1941  
Coordinating Research Council, "Tests of Aviation Precision Samples,"  
    1945  
Franklin Institute and the American Institute for Electrical Engineers,  
    "Remote and Automatic Electronic Controls for Modern Aircraft,"  
    1944  
Institute of Electrical Engineers, "Measuring Static & Dynamic  
    Pressures," 1941  
National Defense Research Committee  
    "Aluminum Alloy Fabrication," 1944  
    "Aluminum Alloy Stretching Characteristics," 1944  
Phillips Petroleum Company, "Substitution of Liquefied Petroleum," 1943  
Radio Shielding, "Aircraft Ignitions," 1944  
Society of Automotive Engineers Reports  
    "Aircraft Valves & Fittings, Report # 1," 1943  
    "Aircraft Heating and Ventilation Equipment, Report # 2," 1943  
    "Engineering Front," undated

**PUBLICATIONS AND TECHNICAL PAPERS (CONT.)**

**Technical Papers (cont.)**

Society of Automotive Engineers Reports (cont.)

**Box 3 (cont.)**

“Fuel Feed at High Altitude,” 1942

Membership Packet, undated

“Propeller Ice Elimination Equipment,” Report # 3, 1943

Tables for Foreman, undated

**BLUEPRINTS AND PHOTOGRAPHS**

**Box 4 and Box 5**

**Scintella Magneto Company Engineering Blueprints, circa 1942-1945**

**Box 6 to Box 8**

**Pratt & Whitney R2800 Engine Photographs**

General Production and Assembly, circa 1942-1945

**Box 9**

Assembly Manual Illustration Photostats

Table of Contents, undated

General Manual Illustrations, 1944

Engine Preparation and Shipping, 1943-1944

Blower Assembly Detail, 1944

Numerical Parts List, undated

**Box 10**

Standard Parts List, undated

Ford Motor Company and Pratt and Whitney General Engine  
Assembly Photographs (3 folders), undated

Section II Group Assembly Parts List and Illustrations (3 folders),  
undated

**Box 11**

Engine Assembly Photographs (3 folders), circa 1943-1944

Photostat Negatives of Manual Illustrations, undated

**Pratt & Whitney Aircraft Company Photographs**

Assembly Steps Detail, circa 1943-1944

General Manual Illustrations, circa 1943-1944

**Box 12**

Negatives (2 folders), undated

**AIRCRAFT PRODUCT AND PARTS AND SERVICE LITERATURE**

**Box 13 (oversize)**

Lear Corporation Product and Service Manual, circa 1955