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Aviation Technical Manuals [Straff]

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Collection Overview

Repository:	National Air and Space Museum Archives
Title:	Aviation Technical Manuals [Straff]
Date:	1943–1944
Identifier:	NASM.2013.0005
Creator:	United States. Air Force United Aircraft Corporation. Hamilton Standard Propellers
Extent:	.05 Cubic feet (One folder)
Language:	English .
Summary:	This collection consists of two aviation technical manuals. The first is a service manual for hydromatic quick-feathering propellers, models 23E50-31 and above, and the second manual is a Gunner's Information File on flexible gunnery, Air Force Manual No. 20.

Administrative Information

Acquisition Information

William Straff, Gift, 2012, NASM.2013.0005

Processing Information

Arranged, described, and encoded by Patti Williams, 2023.

Preferred Citation

Aviation Technical Manuals [Straff], NASM.2013.0005, National Air and Space Museum, Smithsonian Institution.

Restrictions

No restrictions on access

Conditions Governing Use

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Biographical / Historical

Manufacturers and operators of aircraft and equipment produce large numbers of manuals for their air and ground crews. These manuals generally cover all phases of operation, from assembling the newly-purchased aircraft, operation and maintenance of the equipment, to storage of the equipment. Manuals are updated (revised) as new

procedures are developed or modifications are made to existing models. New subtypes generally receive new manuals, although subtypes with the same procedures are generally grouped into the same manual, with new models being added in revisions.

Scope and Contents

This collection consists of two aviation technical manuals. The first is a service manual for hydromatic quick-feathering propellers, models 23E50-31 and above, and was published by the Hamilton Standard Propellers division of United Aircraft Corporation in 1943. This manual is numbered 140A. The second manual in the collection is a Gunner's Information File on flexible gunnery, Air Force Manual No. 20. This document was published by the Training Aids Division, Office of the Assistant Chief of Air Staff, Training.

Arrangement

Arranged by manual.

Names and Subject Terms

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

Subjects:

Aeronautics

Types of Materials:

Technical manuals -- 20th century

Container Listing

Air Forces Manual No. 20, 5/1/1944

Gunnery in the B-29, 7/1/1944

Image(s): [\[NASM.2013.0005\] NASM-Manual-000074015](#)

Notes: Supplement to Air Forces Manual No. 20; also printed under separate cover as Air Forces Manual No. 27 with Harmonization in the B-29

Gunner's Information File - Flexible Gunnery, 5/1/1944

Image(s): [\[NASM.2013.0005\] NASM-Manual-000074014](#)

Notes: Air Forces Manual No. 20

Harmonization in the B-29, 7/1/1944

Image(s): [\[NASM.2013.0005\] NASM-Manual-000074016](#)

Notes: Supplement to Air Forces Manual No. 20; also printed under separate cover as Air Forces Manual No. 27 with Gunnery in the B-29

Portion of Gunner's Information File "The Gun is its own Tool Kit", 5/1/1944

Image(s): [\[NASM.2013.0005\] NASM-Manual-000074017](#)

Notes: Portion of Air Forces Manual No. 20

Turret Comparison Data, Turrets Section - Combat Gunnery Officers Course, 11/1/1944

Image(s): [\[NASM.2013.0005\] NASM-Manual-000074018](#)

Service Manual for 23E50, 5/1/1943