

Standard

**AIRCRAFT
HANDBOOK**

by

LEAVELL & BUNGAY

COPYRIGHT

1952, 1958

BY

AERO PUBLISHERS, INC.

*All rights reserved. This book, or parts thereof,
must not be reproduced in any form without
permission of the publisher.*

Library of Congress
Catalog Card No. 57-14791

Printed and Published in the United States by Aero Publishers, Inc.

Standard
**AIRCRAFT
HANDBOOK**

Compiled and Edited by
STUART LEAVELL
STANLEY BUNGAY

SECOND EDITION
18th PRINTING - 1979
ISBN 0-8168-8500-1

AERO PUBLISHERS, INC.
329 West Aviation Road, Fallbrook, CA 92028



CONTENTS

Chapter	Page
I RIVETING	9
Methods of Riveting	
Riveting Practice	
Rivet Types and Identification	
Heat Treated Rivets	
Flush Riveting	
Hot Dimpling	
Rivet Milling	
Blind Rivets	
Hi-Shear Rivets	
II BOLTS AND FASTENERS.....	25
Bolting Practice	
Special Purpose Fasteners	
III TOOLS AND THEIR PROPER USE.....	43
Drills and Drilling	
Files and Filing	
Measuring Tools	
Taps and Dies	
Reamers	
IV ASSEMBLY AND INSTALLATION METHODS....	54
Airplane Plumbing	
Aircraft Electrical Fittings	
Airplane Control Systems	
V MATERIALS AND FABRICATING.....	65
Aluminum	
Magnesium	
Steel	
Hardness Testing	
VI BLUEPRINT READING	90
How to Interpret Blueprints	
VII LOFT AND TEMPLATES.....	95
Lofting	
Templates	
VIII STANDARD PARTS	102
Standard Parts Identification	
Standard Parts Illustrations	
IX REFERENCE TABLES	141
INDEX	157