

**NO. 1695: INSTRUCTIONS FOR
MOUNTING, USING AND CARING
FOR DISAPPEARING CARRIAGE L.
F., MODEL OF 1896 FOR 12-INCH
GUNS MODELS OF 1888 AND 1895**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649018109

No. 1695: Instructions for Mounting, Using and Caring for Disappearing Carriage L. F., Model of 1896 for 12-inch Guns Models of 1888 and 1895 by United States Ordnance Department

Except for use in any review, the reproduction or utilisation of this work in whole or in part in any form by any electronic, mechanical or other means, now known or hereafter invented, including xerography, photocopying and recording, or in any information storage or retrieval system, is forbidden without the permission of the publisher, Trieste Publishing Pty Ltd, PO Box 1576 Collingwood, Victoria 3066 Australia.

All rights reserved.

Edited by Trieste Publishing Pty Ltd.
Cover @ 2017

This book is sold subject to the condition that it shall not, by way of trade or otherwise, be lent, re-sold, hired out, or otherwise circulated without the publisher's prior consent in any form or binding or cover other than that in which it is published and without a similar condition including this condition being imposed on the subsequent purchaser.

www.triestepublishing.com

UNITED STATES ORDNANCE DEPARTMENT

**NO. 1695: INSTRUCTIONS FOR
MOUNTING, USING AND CARING
FOR DISAPPEARING CARRIAGE L.
F., MODEL OF 1896 FOR 12-INCH
GUNS MODELS OF 1888 AND 1895**

No. 1695

U. S. Ordnance dept.

INSTRUCTIONS FOR MOUNTING
USING, AND CARING FOR

DISAPPEARING CARRIAGE

L. F., MODEL OF 1896

FOR

12-INCH GUNS

MODELS OF 1888 AND 1895

(NINETEEN PLATES)

APRIL 19, 1904

REVISED APRIL 11, 1913



OF
CALIFORNIA

WASHINGTON
GOVERNMENT PRINTING OFFICE
1917

L.C.-

WAR DEPARTMENT,
OFFICE OF THE CHIEF OF ORDNANCE,
Washington, April 11, 1913.

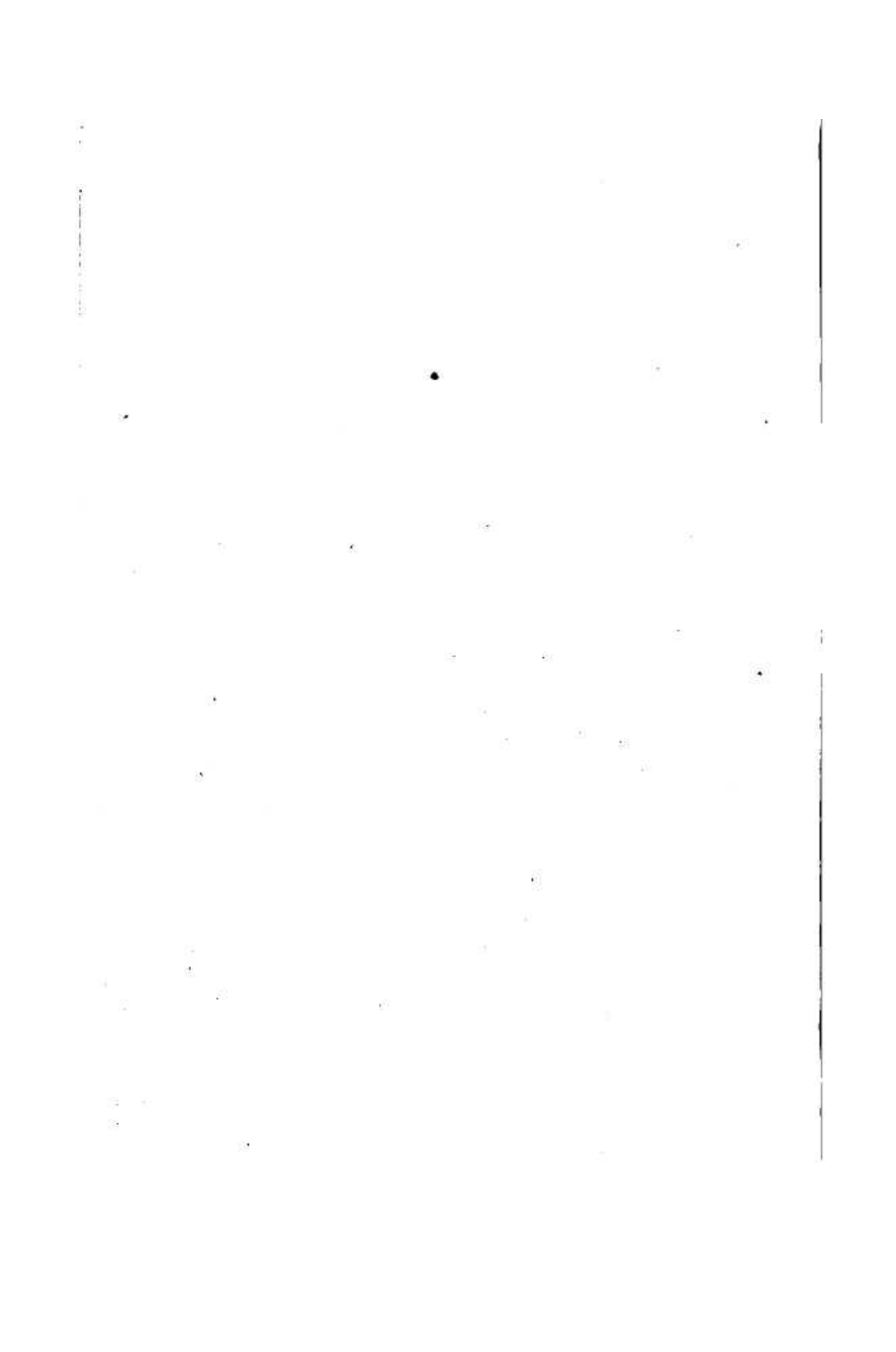
This manual is published for the information and government of the Regular Army and Organized Militia of the United States.

By order of the Secretary of War:

R. BIRNIE,
Colonel, Ordnance Department, Acting Chief of Ordnance.

(3)

356523



UNIV. OF CALIFORNIA

TABLE OF CONTENTS.

	Page.
The emplacement.....	9
The carriage.....	9
Principal parts.....	9-10
Action of carriage.....	10
Base ring.....	10
Azimuth circle and pointer.....	11
Racer.....	11
Traversing roller system.....	11
Chassis and transoms.....	11-12
Top carriage and recoil rollers.....	12
Recoil and counter-recoil systems.....	12-16
Gun levers.....	16
Croshead and counterweight cage.....	16
Counterweight.....	16-17
Tripping gear.....	17
Elevating band, arm, and racks.....	17-18
Elevation disk and pointer.....	18
Elevating system.....	18-19
Elevating gear counterbalance device.....	19-20
Traversing system.....	20
Retracting system.....	20-21
Retracting gear, clutch and brake.....	21
Electric motor and gearing.....	22-23
Platforms and ladders.....	23
Sighting platforms.....	23-24
Sight standard and telescopic sights.....	24
Lanyard safety attachment.....	24-25
Conduits for lights and telephone.....	25-26
Ammunition truck and shot tongs.....	26-27
General remarks.....	27
Assembling the carriage.....	28
Implements.....	28
General remarks.....	28
Emplacement.....	28
Base ring.....	28-29
Leveling.....	29
Distance ring and traversing rollers.....	29
Racer.....	30
Chassis and transoms.....	30
Traversing gear.....	30
Counterweight and tripping gear.....	30-31
Motor and retracting gear.....	31
Recoil rollers and top carriage.....	31

Assembling the carriage—Continued	Page.
Gun levers	31-32
Gun	32
Elevating gear	32
Elevating racks	32
Elevating arm and band	32-33
Remaining parts	33
After assembling	33
Important points	33-34
Care of the carriage—general instructions	34-35
Instructions for cleaning recoil cylinders	35-36
Removing packing from stuffing boxes	36
To pack or repack a stuffing box	36-37
Filling recoil cylinders	37
Service condition (lubrication, etc.)	37-38
Oil holes	38
Compression grease cups	38
Retraction motor system	39-40
List of articles packed in the armament chest for 12-inch guns, steel, models of 1888, 1888 Mr, and 1888 Mr.	41
List of articles packed in the armament chest for 12-inch guns, steel, model of 1895	41
List of articles packed in armament chest for 12-inch disappearing carriage, model of 1896	41
List of implements furnished for 12-inch guns, steel, models of 1888 and 1895	42
List of equipment supplied for 12-inch guns, steel, models of 1888 and 1895 and disappearing carriages, L. F., model of 1896	42
Table of annual allowances of material for cleaning and preservation of 12-inch guns, steel, models of 1888 and 1895, and disappearing carriages, L. F., model of 1896	42
Approximate weight of parts for 12-inch disappearing carriage, model of 1896	42-43
Names and location of parts for the 12-inch disappearing carriage, model of 1896	44-64

LIST OF PLATES.

	Drawing No.
I. Emplacement for 12-inch disappearing carriage, model of 1896.....	10-8-24
II. Longitudinal section.....	10-8- 1
III. End elevation.....	10-8- 2
IV. Plans and left side.....	10-8- 3
V. Base ring and azimuth circle and pointer.....	10-8- 4
VI. Top-carriage and recoil rollers.....	10-8- 7
VII. Counter-recoil buffer.....	10-8-22
VIII. Throttling valve and equalizing pipes.....	10-8- 8
IX. Method of controlling the energy of recoil.....	15-0- 1
X. Counterweights.....	10-8-10
XI. Tripping gear.....	10-8- 6
XII. Elevating band, arm, and racks.....	10-8-11
XIII. Elevation disk and pointer.....	10-8-45
XIV. Elevating gear.....	10-8-12
XV. Traversing gear.....	10-8-13
XVI. Retracting gear.....	10-8-14
XVII. Electric-motor gear.....	10-8-44
XVIII. Ammunition truck.....	10-8-19
XIX. Wiring diagram.....	14-6-43

