

**GUNNERY INSTRUCTIONS;
SIMPLIFIED FOR THE VOLUNTEER
OFFICERS OF THE U.S. NAVY:
WITH HINTS TO EXECUTIVE AND
OTHER OFFICERS**

Published @ 2017 Trieste Publishing Pty Ltd

ISBN 9780649395170

Gunnery Instructions; Simplified for the Volunteer Officers of the U.S. Navy: with Hints to executive and other officers by Edward Barrett

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

EDWARD BARRETT

**GUNNERY INSTRUCTIONS;
SIMPLIFIED FOR THE VOLUNTEER
OFFICERS OF THE U.S. NAVY:
WITH HINTS TO EXECUTIVE AND
OTHER OFFICERS**

GUNNERY INSTRUCTIONS,

SIMPLIFIED

FOR THE

Volunteer Officers of the U. S. Navy;

WITH HINTS TO

EXECUTIVE AND OTHER OFFICERS.

BY

LIEUT.-COMMANDER EDWARD BARRITT, U. S. N.,

INSTRUCTOR IN GUNNERY, BROOKLYN NAVY YARD.

THIRD EDITION, REVISED AND ENLARGED.

NEW YORK:

D. VAN NOSTRAND, 192 BROADWAY.

1865.

Entered, according to Act of Congress, in the Year 1863.

BY D. VAN NORTRAND.

In the Clerk's Office of the District Court of the United States for the Southern
District of New York.

C. A. ALYD, STEREOTYPED AND PRINTED.

THIS WORK

IS

RESPECTFULLY DEDICATED

TO THE

ACTING MASTERS AND THEIR ACTING MASTERS' MATES

OF THE

UNITED STATES NAVY.

PREFACE.

EXECUTIVE Officers and Officers of Divisions, will find this work particularly valuable as a book of reference and advice to them in the performance of the duties of their respective positions.

The disposition of the crew of a man-of-war in every contingency of *battle* is dictated and the duties of each man defined.

Guns, their calibre and weight, the number of men they are entitled to, the stations and duties of each, are all concisely explained.

Wherever there is a departure from the "Ordnance Manual," the change has been suggested by experience

EDWARD BARRETT,

Lieutenant U. S. N.,

Instructor in Gunnery, U. S. Naval Station, New York.

GUNNERY INSTRUCTIONS.

NOMENCLATURE OF CANNON.

See Figs. 1, 2, 3, 4, 5, 6 and 7.

THE **CASCABEL**, *A L*, is that part of the gun behind the base-ring, and in general terms, includes the knob, the neck, and the base of the breech; but as the forms, and consequently the nomenclature of the subdivisions of the cascabel, as well as the other parts of the gun, vary in guns of different construction, these minor details are given in the diagrams, and the explanation.

THE **BASE OF THE BREECH**, *A J*, is a spherical or spheroidal segment in rear of the breech, between the base-ring and the fillet, or commencement of the neck.

THE **BASE-RING**, *A*, is a projecting band of metal adjoining the base of the breech, and with few exceptions is connected with the body of the gun by a concave moulding, called the curve of the base-ring.

THE **BREECH**, *a J*, is the mass of solid metal behind the bottom of the bore, extending to the fillet or the commencement of the neck.

In all navy guns of recent construction there are two reinforces, designated respectively as the first and second reinforce.

THE **FIRST REINFORCE**, *B C*, is the cylindrical part of