

CHAPTER 1 CHARACTERISTICS OF BOOBYTRAPS

Section I. INTRODUCTION

1. Purpose and Scope

a. This manual contains procedures, techniques, and expedients for the instruction of the soldier in the assembly, use, detection, and removal of boobytraps in combat.

b. Included are descriptions and discussions of the design and functioning characteristics of standard demolition items — fuses, devices, explosives, and accessories — and missiles, such as hand grenades, mortar ammunition, artillery ammunition, and bombs.

c. This manual also contains information on a variety of items and indigenous materials useful for improvising firing devices, explosives, and pyrotechnic mixtures for guerrilla warfare applications.

d. Factory-produced boobytraps (dirty trick devices) are described. Most of these have been developed and used in the field by foreign armies.

e. Safety measures pertinent to boobytrapping operations are provided for the protection of troops from casualty.

f. The contents of this manual are applicable to nuclear and nuclear warfare.

2. Comments

Users of this manual are encouraged to forward comments and recommendations for changes for improvement. Comments should be referenced to the page, paragraph, and line of text. The name for each comment should be given to insure proper interpretation and evaluation. Forward all comments directly to the Commander, U.S. Army Engineer School, Fort Belvoir, Virginia 22068.

Section II. PRINCIPLES OF OPERATION

3. Types of Boobytraps

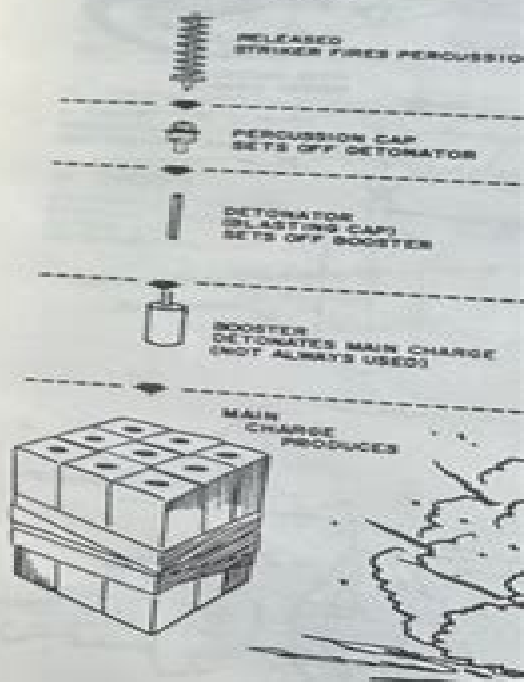
A boobytrap is an explosive charge cunningly contrived to be fired by an unsuspecting person who disturbs an apparently harmless object or performs a presumably safe act. Two types are in use — improvised and manufactured. Improvised boobytraps are assembled from specially provided material or constructed from material generally used for other purposes. Manufactured boobytraps are dirty trick devices made at a factory for issue to troops. They usually imitate some object or article that has souvenir appeal or that may be used by the target to advantage.

4. Assembling Boobytraps

A boobytrap consists of a base (not always used), and a destructor, is an adapter for in loaded projectile or bomb to in firing device assemblies are of means of a length of detonating

5. Boobytrap Firing Chain

THE FIRING CHAIN IS A SERIES OF SMALL INITIATIONS BEGINNING WITH A SMALL QUANTITY OF HIGHLY SENSITIVE EXPLOSIVE AND ENDING WITH A COMPARATIVELY LARGE QUANTITY OF INSENSITIVE EXPLOSIVE.



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U.S. Army Explosives and Demolitions Handbook U.S. Department of the Army, 2010-08-01 Military demolitions are the destruction by fire water explosive and mechanical means of areas structures facilities or materials to accomplish a military objective The U S Army Explosives and Demolitions Handbook is a guide to the use of explosives in the destruction of military obstacles from the Department of the U S Army This guide includes information on types characteristics and uses of explosives and auxiliary equipment preparation placement and firing of charges safety precautions handling transportation and storage of explosives deliberate and hasty demolition methods and much more Applicable to nuclear and nonnuclear warfare and having offensive and defensive uses the knowledge one will come away with from reading this handbook is invaluable **Explosives and Demolitions Department of the Army Field Manual FM 5-25** Department of the Army, 2025-02-13 **Ordnance Safety Manual** United States. Army. Ordnance Department, 1931 **Technical Manual**, 1940 *Improvised Weapons and Munitions - The Official U.S. Army Manual* U.S. Department of the Army, 2023-12-29 In *Improvised Weapons and Munitions* The Official U S Army Manual the U S Department of the Army presents a comprehensive guide on the design manufacture and utilization of improvised weaponry Written with a pragmatic literary style that prioritizes clarity and precision this manual serves both as a technical handbook and a field guide Comprised of detailed illustrations step by step instructions and safety protocols it situates itself within the broader context of military strategy and resourcefulness in combat scenarios particularly for unconventional warfare The manual reflects a candid acknowledgment of the realities faced by soldiers in the field and their resourceful responses to limited availability of conventional armaments The U S Department of the Army established to ensure national security and effective military strategy has a long standing history of producing manuals that provide soldiers with critical knowledge The necessity to adapt and improvise during warfare has been a pivotal theme throughout military history This manual emerges from the Department s commitment to providing soldiers with the skills needed to survive and prevail in challenging situations drawing from lessons learned in both historic and contemporary conflicts *Improvised Weapons and Munitions* is an invaluable resource for military personnel defense analysts and historians alike Its content not only serves as a practical guide for armed forces but also offers insights into the creativity and resilience required in combat Recommended for those interested in military tactics this manual is essential reading for anyone seeking to understand the strategic implications of improvised warfare **U.S. Army Explosives and Demolitions Handbook** Department of The Army, 2025-01-27 *A Soldiers Handbook, Volume 1: Explosives Operations* Jared Ledgard, 2007-06 *A Soldiers Handbook Volume 1 Explosives Operations* is a compilation and collection of explosives data taken from numerous sources including The Preparatory Manual of Explosives and US Army Field Manuals The book is designed to aid the US soldier in the operations of various explosives systems used by the US military and other nations along with familiarization with explosives operations including demolitions

explosives dynamics explosives chemistry and explosives munitions The book is a complete collection of explosives information and data and will help the reader understand how explosives are used and their effects **Improvised Munitions Handbook - Learn How to Make Explosive Devices & Weapons from Scratch (Warfare Skills Series)** U.S. Department of Defense,2024-01-16 The Improvised Munitions Handbook represents a critical compendium of field tested techniques for crafting explosive devices and weapons from readily available materials Designed for military personnel and survivalists this handbook combines a straightforward instructional style with comprehensive explanations of the underlying principles of explosives and weaponry Within its pages readers will find detailed diagrams and recipes that reflect the urgent need for adaptive warfare skills in unconventional combat scenarios making it a pivotal resource in the context of modern military operations Authored by the U S Department of Defense this handbook emerges from decades of military experience integrating insights from various conflicts where improvised munitions played a crucial role Consciously unclassified it provides a glimpse into tactics that are often concealed from public scrutiny aiming to bolster preparedness among soldiers in unpredictable environments This authoritative resource highlights the Department s commitment to equipping military personnel with knowledge that addresses both inventiveness and urgency in combat situations For readers engaged in defense studies military strategy or survival tactics this handbook is indispensable Its practical information not only enhances understanding of improvised warfare but also serves as a cautionary tale about the responsibilities inherent in knowledge of munitions Highly recommended for practitioners and thinkers alike it encourages a nuanced discourse on the ethics of warfare and innovation **U.S. Army Explosives and Demolitions Handbook (US Army Survival)** US Department of the Army,2025-03-20 ,

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