

爆
藥
兵
器

JAPANESE EXPLOSIVE ORDNANCE PACKING

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I N T R O D U C T I O N

The purpose of this study is to provide a ready means of identifying Japanese Explosive Ordnance and Packing.

In order to expedite the collection, reclamation, proper storage, and distribution of Japanese ammunition, mines, grenades, etc., this publication has been prepared with photographs of Japanese Explosive Ordnance Packing and pertinent data thereof. Quantity-distance regulations concerning American ammunition will apply to similar types of Japanese ammunition.

It is important to keep in mind the instability of Japanese Incendiary ammunition. Therefore, this type should be kept isolated and out of the direct rays of the sun.

As the Armed Forces of the United Nations approach the Japanese homeland, our supply lines, always long, are beginning to stretch interminably. It is therefore expedient to utilize to the fullest extent, wherever and whenever possible, captured enemy equipment to supplement our own.

This book is bound in loose-leaf form to facilitate additions and revisions as they are collected and printed. A distribution list will be retained at this office to insure proper and rapid dissemination of supplemental material.

A glossary of Japanese characters pertaining to Ordnance terms is included to assist in the identification of material not reported herein.

Special mention is due the Allied Translator and Interpreter Section, Headquarters Sixth Army, without whose effort this publication would not have been possible.

Any and all criticisms, corrections, and additions from the user will be duly appreciated.

Designating Ideographs

式	Type (this symbol follows
型	the number)
改	Model
	Modification

Japanese Eras (Dating System)

明治	Meiji	(1868-1911)
大正	Taisho	(1912-1925)
昭和	Showa	(1926-

Arsenals

☆	東 or 京	Tokyo
✂	阪	Osaka
⚓	吳	Kure
⚓	豊	Toyokawa
⚓	横	Yokosuka
⚓	舞	Maizuro
⚓	佐	Sasebo

J A P A N E S E G L O S S A R Y

一		1
二		2
三		3
四		4
五		5
六		6
七		7
八		8
九		9
十	or 拾	10
十一	or 一 一	11
十二	or 一 二	12
二十	or 二 〇	20
二十一	or 二 一	21
百	or 一 〇 〇	100
千	or 一 〇 〇 〇	1000
零	or 〇	0

General Terms

陸軍		Army
海軍		Navy
工廠	； 造兵廠	Arsenal
火藥	製造所	Powder factory
年		Year
月		Month
日		Day
用		Use
米		Meter
料		Kilometer
糧		Centimeter
耗		Millimeter
大		Large
小		Small
起	爆藥	Initiator (detonator)
種	自	Lot
口	別	Grade
サ		Filled
曳	火	Time
色		Color
黑		Black
上		Top
中		Middle
下		Bottom
山		Mountain

General Terms-continued

特殊	Special
破裂	Burst
製造	Manufacture
鑄填爆發	Explosive filling
小粒藥	Fine grain powder
黃	Yellow
赤	Red
綠	Green
鼠	Grey
桃	Peach
白	White
茶	Brown
照明	Illuminating
夕(彈)	Shaped charge, hollow charge
第	Prefix to numerals
改	Modification
修理	Repair
改造	Recondition, reconstruct
所	Place
鑄	Cast
瓦	Gram
裝填	Loaded
假稱	Provisional designation
量	Weight
檢	Inspect
噴進彈	Rocket
々	Incendiary symbol
ヶ	Smoke symbol

Bombs and Fuzes

爆彈	Bomb
陸(上)	Land
陸(用)爆彈	Land bomb
通常	Ordinary, common
空雷	Aerial torpedo
演習爆彈	Practice bomb
鋼性銃爆彈	Semi-steel bomb
代用爆彈	Substitute bomb
彈底	Tail (of bomb)
彈頭	Nose (of bomb)
尾翼	Tail-fin (bomb)
夕	Empty case (bomb, projectile)
煙	Smoke
燒夷彈子	Incendiary pellets
燒夷片	Incendiary pellets
燒夷	Incendiary
吊環	Suspension lug
炸藥筒	Burster tube
撒布彈	Loaded cluster bomb container
小彈 or 夕彈	Cluster bomb (small bomb)
吊光照明彈	Parachute flare
投下彈	Aircraft missile
防禦爆包	Anarchist bomb
壓榨成形	Preformed pressed (bursting charge)
發火裝置	Firing mechanism (Navy bomb term)
複働信管	Combination fuze (impact or time)
機上切換二働信管	Instantaneous-short delay fuze
着發信管	Impact fuze

Bombs and Fuzes-continued

信管	Fuze; gaine (navy fuzes)
觸發信管	Anti-disturbance fuze
解發信管	Anti-withdrawal fuze
長延期信管	Long delay fuze
風車	Arming vanes (bomb fuze)

Projectiles and Fuzes

彈丸	Projectile
破甲彈	Armor piercing projectile
徹甲彈	Armor piercing projectile
被帽彈	Capped armor piercing projectile
破甲榴彈	Armor piercing/high explosive proj.
徹甲實包	Armor piercing ammunition (small arms)
通常彈	Common projectile (HE)
鑄鐵榴彈	Cast iron projectile, HE
鈍頭彈	Blunt-nose projectile
榴彈	High explosive shell
曳光自爆榴彈	Self-destroying tracer projectile
榴霰彈	Shrapnel shell
完成彈	Projectile, with fuze
彈藥筒	Complete round
穿甲榴彈	Hollow charge ammunition
通常彈	Common ammunition
實包	Ball ammunition
普通實包	Ordinary ball ammunition
燒夷實包	Incendiary ammunition (small arms)
マ	Aircraft ammunition symbol
實包	Ball ammunition

Projectiles and Fuzes-continued

曳光實包	Tracer ammunition (small arms)
彈藥包	Cartridge, fixed (complete round)
裝藥筒	Propellant charge container
常裝	Ordinary propellant charge
減裝	Reduced propelling charge
特減(裝)	Special reduced propelling charge
弱裝	Weak propelling charge
瞬發信管	Instantaneous fuze
短延期信管	Short delay fuze
著曳信管	Combination fuze
尖銳高射信管	Long pointed Anti-aircraft fuze
口徑	Caliber
航空砲	Aircraft cannon
航空機關砲	Aircraft machine cannon
航空機關銃	Aircraft machine gun
固定	Fixed
旋迴	Flexible
機關銃	Machine gun
戰車砲	Tank gun
對砲	Anti-tank gun
野戰砲	Field gun
火砲	Gun (general)
榴彈砲	Howitzer
「榴白」	Howitzer and mortar
曲射步兵砲	Infantry mortar
「迫」	Mortars
藥包	Increment (mortar ammunition)

Projectiles and Fuzes-continued

打上筒
加農

Barrage mortar
Gun (as opposed to howitzer)

Underwater Ordnance

機雷	Mine
視發機雷	Controlled naval mine
管制機雷	Controlled naval mine
沈底式	Ground type (naval mine)
磁氣機雷	Magnetic mine (marine)
誘導型磁氣機雷	Induction type mine
音響機雷	acoustic mine
繫維式	Anchored type (naval mine)
磁針型磁氣機雷	Magnetic needle type magnetic mine
機雷缶	Mine case
觸角	Horn (naval mine)
回数期爆裝置	(1) Period delay mechanism (2) Ship's counter (naval mines)
雷原	Naval mine field
機雷堰	Naval mine barrier
爆破鉤	Explosive (hook) grapnet
魚雷	Torpedo
爆發尖	Torpedo exploder
爆雷	Depth charge
爆雷發火裝置	Depth charge pistol

Grenades and Land Mines

踏込式地雷	Contact land mine
係蹄式觸發地雷	Trip wire type contact land mine
匕アノ線地雷	Trip wire land mine

Grenades and Land Mines-continued

棒地雷	"Yardstick" anti-vehicular mine
人用地雷	Armor Piercing mine
膠着爆雷	Sticky mine
敷設彈	Bullet land mine
破甲爆雷	Armor Piercing mine (Type 99)
踏落式地雷門管	Pressure type igniter (land mines)
曳火手榴彈	Time hand grenade
4 匕	Frangible grenade
手投火瓶	Frangible incendiary grenade
手投火焰瓶	Molotov cocktail
破壞筒	Bangalore torpedo
遊擊的地雷	Booby trap
時限發火機	Demolition clock
爆發罐	Demolition can
電氣雷管	Electric cap
導火雷管	Non-electric cap
導爆索	Detonating cord
導火索	Safety fuze
摩擦門管	Friction primer
視發地雷	Remotely controlled land mine

Abbreviations of General Terms

大	Taisho
昭	Showa
陸	Army
海	Navy
工	Arsenal
造	Arsenal
起爆	Initiator
種	Lot
特	Special
破	Burst
製	Manufacture
鑄填	Explosive filling
修	Repair

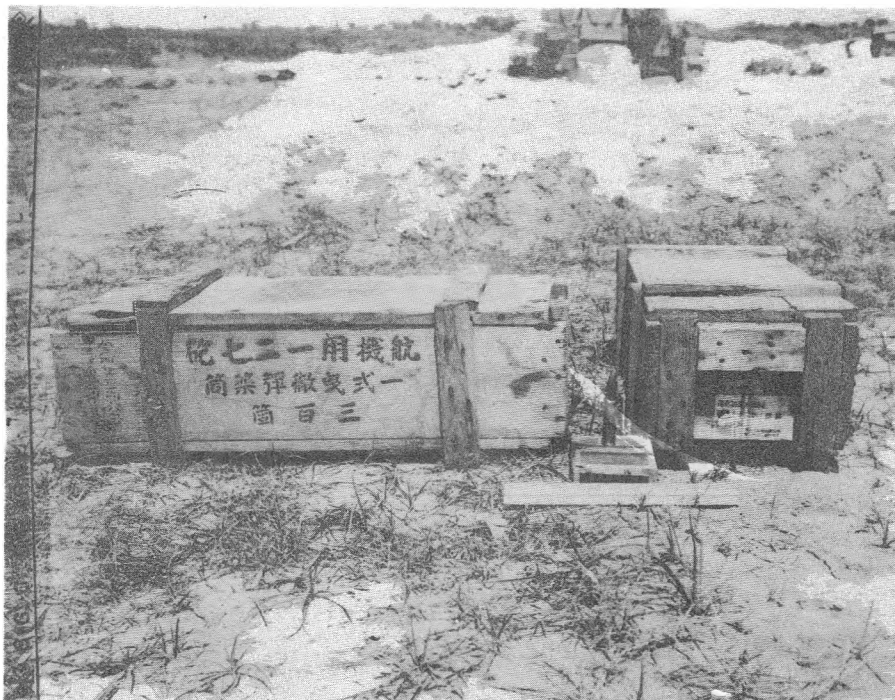
Abbreviations-continued

明	Meiji
改	Recondition, reconstruct
假	Provisional designation
代	Substitute bomb
燒夷	Incendiary pellets
觸發	Anti-disturbance fuze
解發	Anti-withdrawal fuze
長延期	Long delay fuze
破甲	Armor piercing projectile
被帽	Capped armor piercing projectile
徹甲	Armor piercing projectile
破甲榴	Armor piercing/High explosive projectile
通常	Common projectile (HE)
鑄鐵	Cast iron projectile, HE

Abbreviations-continued

鈍頭	Blunt-nose projectile
榴	High explosive shell
通常	Common ammunition
瞬發	Instantaneous fuze
徑	Caliber
加	Gun (as opposed to howitzer)

12.7-mm AIRCRAFT GUN AMMUNITION



Markings:

航空機用一七二七
一式徹徹彈藥筒
三百筒

Translation of Markings:

"Mounted on Aircraft. 12.7-mm
Gun, Type 1, Armor Piercing/
Tracer Ammunition Box. Contents:
300 Rounds

Description of Round:

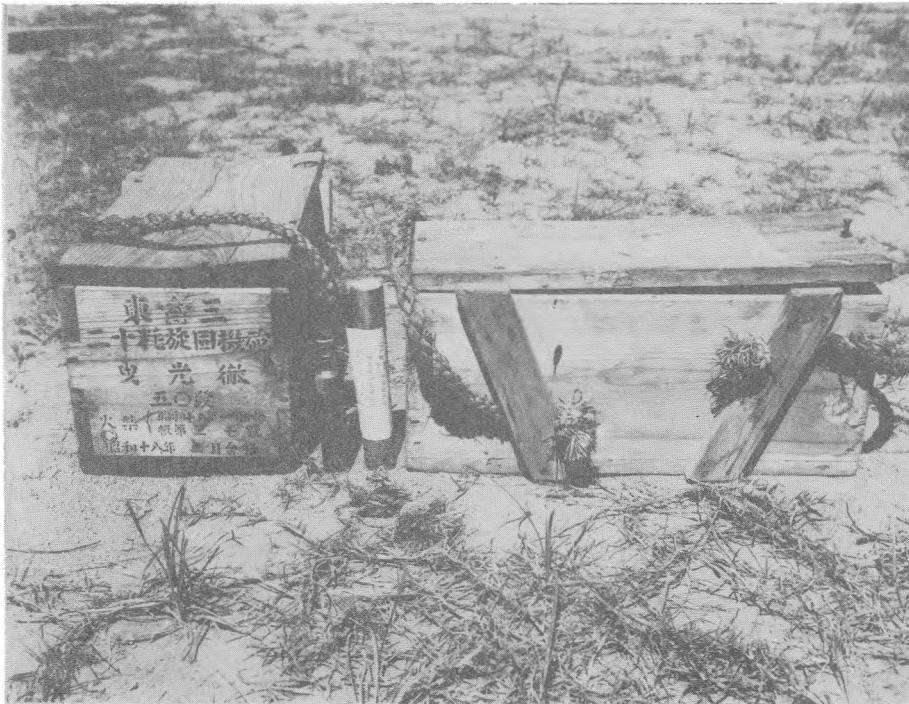
Caliber - 12.7-mm
Type - Armor Piercing/Tracer
Number of Rotating Bands - None
Colors - Brass body, 1 Green body
band, 1 White body band
Type Loading - Fixed

Fuze: None

Type of Gun Used: 12.7-mm Browning Type Machine Gun,
Aircraft, Type 1

Number of Rounds per Box: 300

20-mm AIRCRAFT GUN AMMUNITION



Markings: 東三
二十粒旋回機砲
曳光徹

火藥 { 昭和十八年一月合格
板第三八號
昭和十八年三月合格

Translation of Markings: "Trade Mark: Higashi San. 20-mm Automatic Cannon. Armor Piercing/Tracer. Contents: 50 Rounds. Date of Manufacture: January 1943. Panel Mark: 37. Inspected: March 1943."

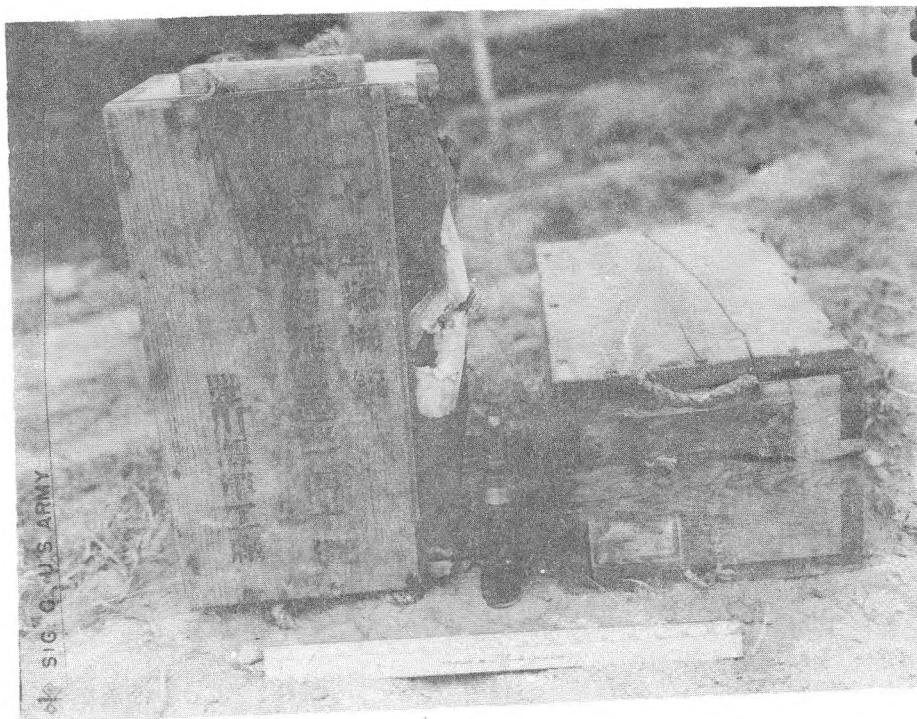
Description of Round: Caliber - 20-mm
Type - Armor Piercing/Tracer
Number of Rotating Bands - 1
Colors - Black body, 1 Green body band, 1 White body band
Type Loading - Fixed

Fuze: None

Type of Gun Used: 20-mm Aircraft Automatic Cannon, Type 97

Number of Rounds per Box: 50

25-mm ANTI-AIRCRAFT GUN AMMUNITION



二十五糎機銃
曳跟通常彈藥包二型改一四+個
豐川海軍工廠

Markings:

Translation of Markings: "25-mm Machine Cannon Common
Tracer Shell, Improved No. 1.
Contents: 40 Rounds. Toyokawa
Navy Arsenal."

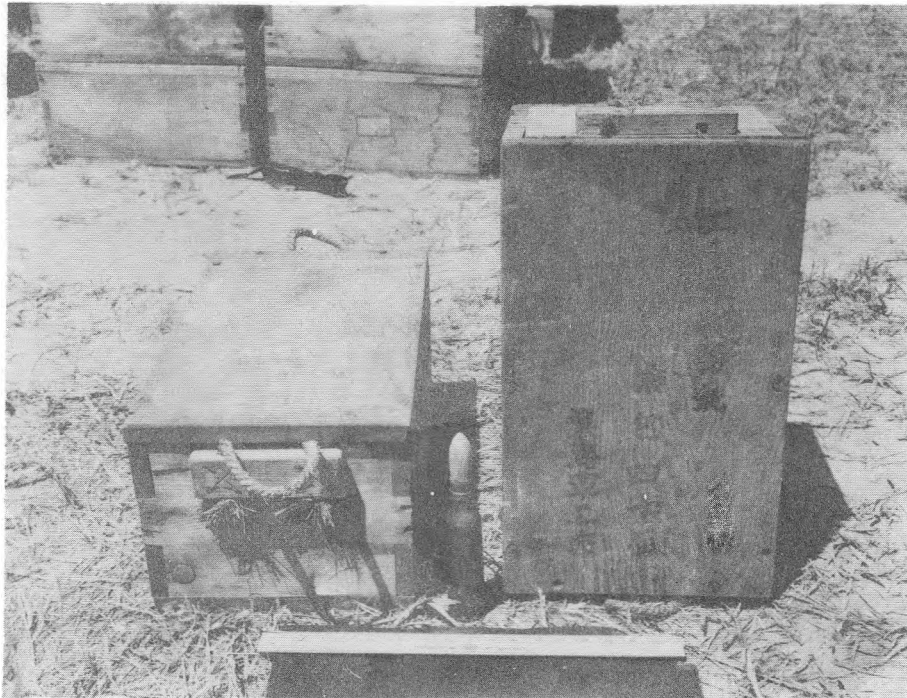
Description of Round: Caliber - 25-mm
Type - High Explosive/Tracer
Number of Rotating Bands - 3
Colors - Red body, Green nose band
Type Loading - Fixed

Fuze: Model 1 or Model 4

Type of Gun Used: 25-mm Anti-Aircraft Machine Cannon,
Type 96

Number of Rounds per Box: 40

25-mm ANTI-AIRCRAFT GUN AMMUNITION



二十五粒機銃
徹甲彈藥包四十個

Markings:

吳海軍工廠

Translation of Markings: "25-mm Machine Cannon Armor Piercing Shell. Contents: 40 Rounds. Kure Navy Arsenal."

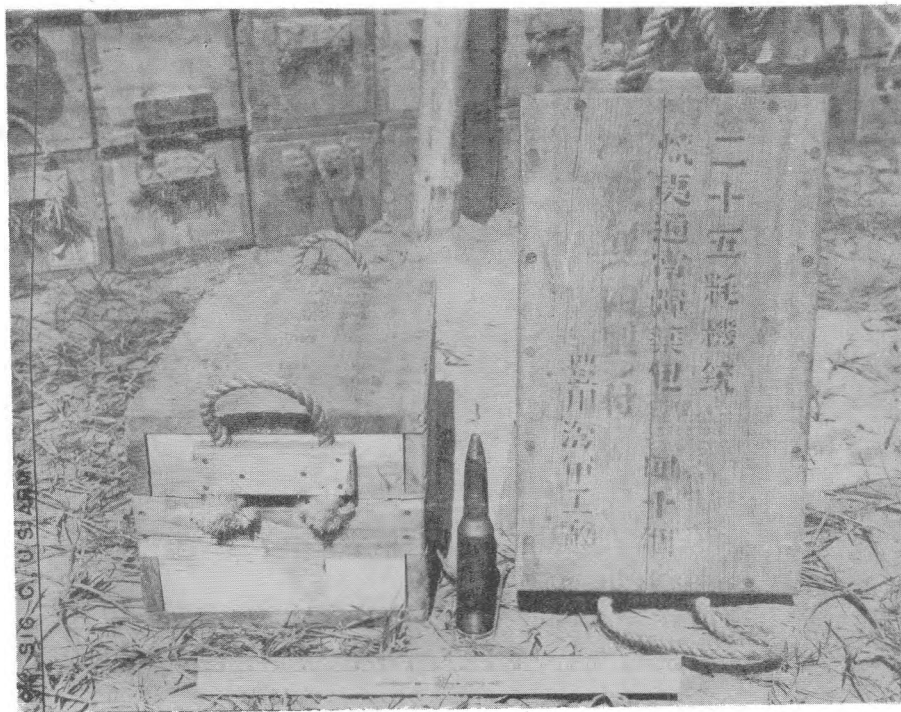
Description of Round: Caliber - 25-mm
Type - Armor Piercing/Tracer
Number of Rotating Bands - 1
Colors - Black body, may be found repainted White.
Type Loading - Fixed

Fuze: None

Type of Gun Used: 25-mm Anti-Aircraft Machine Cannon,
Type 96

Number of Rounds per Box: 40

25-mm ANTI-AIRCRAFT GUN AMMUNITION



Markings:

二十五糎機銃
燒夷通常彈藥包四十個
信管四型付
豊川海軍工廠

Translation of Markings:

"25-mm Machine Cannon Common
Incendiary Shell. Contents:
40 Rounds. Model 4 Fuze Attached.
Toyokawa Navy Arsenal."

Description of Round:

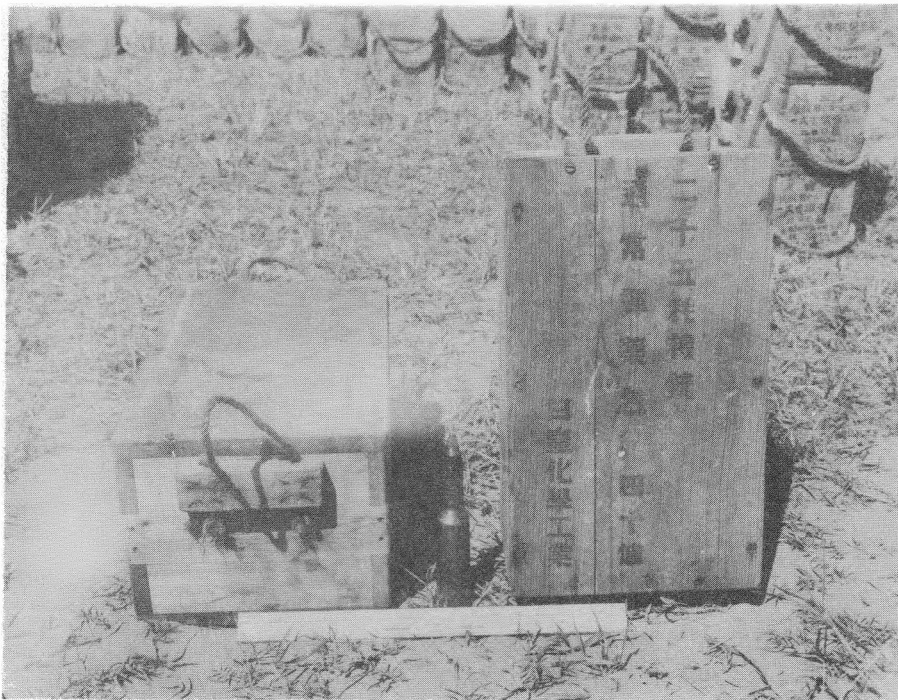
Caliber - 25-mm
Type - High Explosive/Incendiary
Number of Rotating Bands - 3
Colors - Green body
Type Loading - Fixed

Fuze: Model 1 or Model 4 Fuze

Type of Gun Used: 25-mm Anti-Aircraft Machine Cannon,
Type 96

Number of Rounds per Box: 40

25-mm ANTI-AIRCRAFT GUN AMMUNITION



二十五機銃
通常彈藥包 四十個

Markings: 信管四型付
日窒化學工業

Translation of Markings: "25-mm Machine Cannon Common Shell. Contents: 40 Rounds. Model 4 Fuze Attached. Nichi-kubo Chemical Industry."

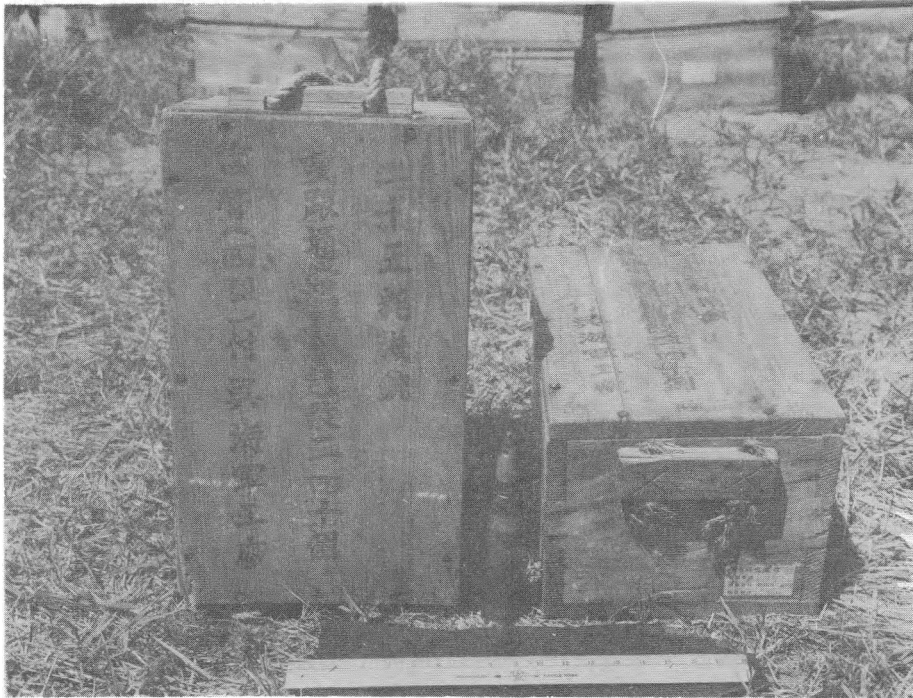
Description of Round: Caliber - 25-mm
Type - High Explosive
Number of Rotating Bands - 3
Colors - Maroon body, Green nose band
Type Loading - Fixed

Fuze: Model 1 or Model 4

Type of Gun Used: 25-mm Anti-Aircraft Machine Cannon,
Type 96

Number of Rounds per Box: 40

25-mm ANTI-AIRCRAFT GUN AMMUNITION



二十五糎機銃

曳跟通常彈藥包改二十四個

Markings: 信管(四型)付 吳海軍工廠

Translation of Markings: "25-mm Machine Cannon Common Tracer Shell, Improved No. 2. Contents: 40 Rounds. Model 4 Fuze Attached. Kure Navy Arsenal."

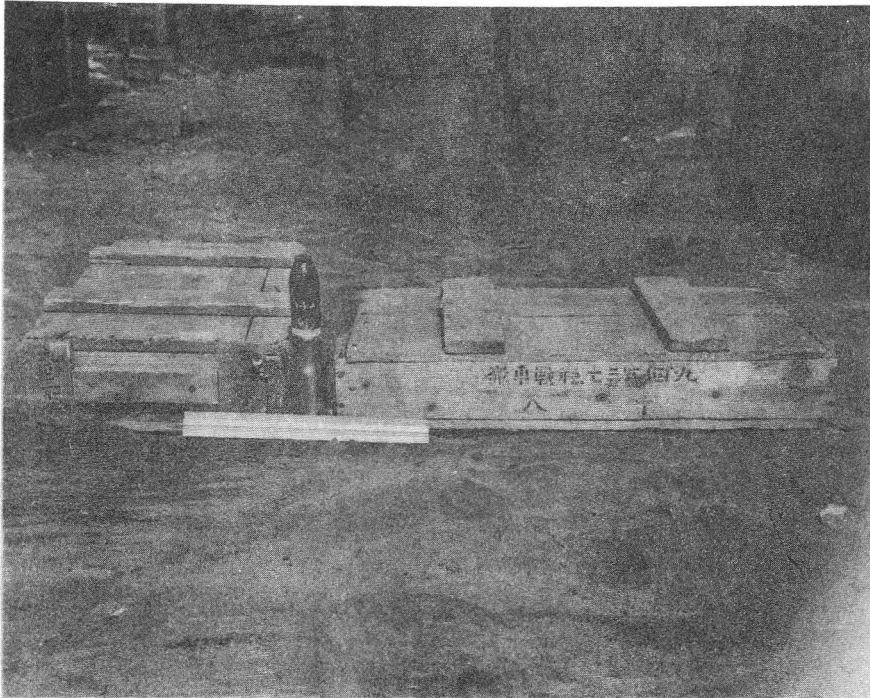
Description of Round: Caliber - 25-mm
Type - High Explosive/Tracer
Number of Rotating Bands - 3
Colors - Orange body, Green nose band
Type Loading - Fixed

Fuze: Model 1 or Model 4 Fuze

Type of Gun Used: 25-mm Anti-Aircraft Machine Cannon, Type 96

Number of Rounds per Box: 40

37-mm ANTI-TANK GUN AMMUNITION



九四式三七毫米戰車徹甲彈

Markings: 八 十

Translation of Markings: "Type 94 37-mm Anti-tank Shell.
Contents: 10 Rounds."

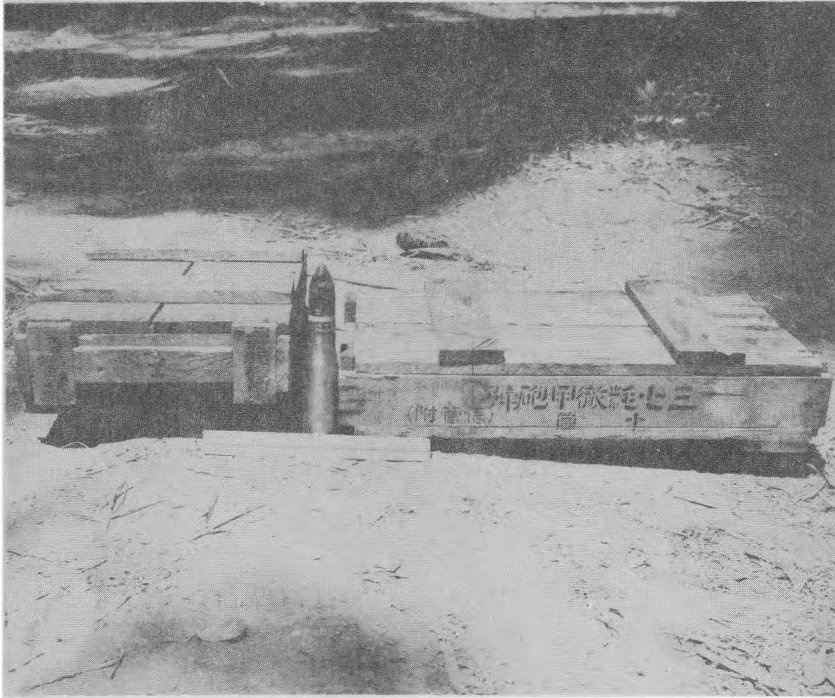
Description of Round: Caliber - 37-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band
1 Yellow body band, 1
White body band
Type Loading - Fixed

Fuze: Type 93 Small Instantaneous Fuze

Type of Gun Used: 37-mm Anti-tank Gun, Type 94

Number of Rounds per Box: 10

37-mm ANTI-TANK GUN AMMUNITION



三十七毫米徹甲彈
(附信) 十

Markings:

Translation of Markings: "37-mm Armor Piercing/High Explosive Shell with Fuze Attached. Contents: 10 Rounds."

Description of Round: Caliber - 37-mm
Type - Armor Piercing/High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band.
1 White body band
Type Loading - Fixed

Fuze: Type 94 Small Delay Base Fuze

Type of Gun Used: 37-mm Anti-tank Gun, Type 94

Number of Rounds per Box: 10

47-mm ANTI-TANK GUN AMMUNITION



Markings: 信管共
四十七粒 五個入 防濕

Translation of Markings: "47-mm Shell. High Explosive.
Contents: 5 Rounds. Fuzes in-
cluded. Keep dry."

Description of Round: Caliber - 47-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 White body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 47-mm Anti-tank Gun, Type 1

Number of Rounds per Box: 5

Note: Box may be found painted green.

47-mm ANTI-TANK GUN AMMUNITION



Markings: 四七砲一式
五入
鉄薬莖

Translation of Markings: "Type 1 47-mm Gun. Contents:
5 Rounds."

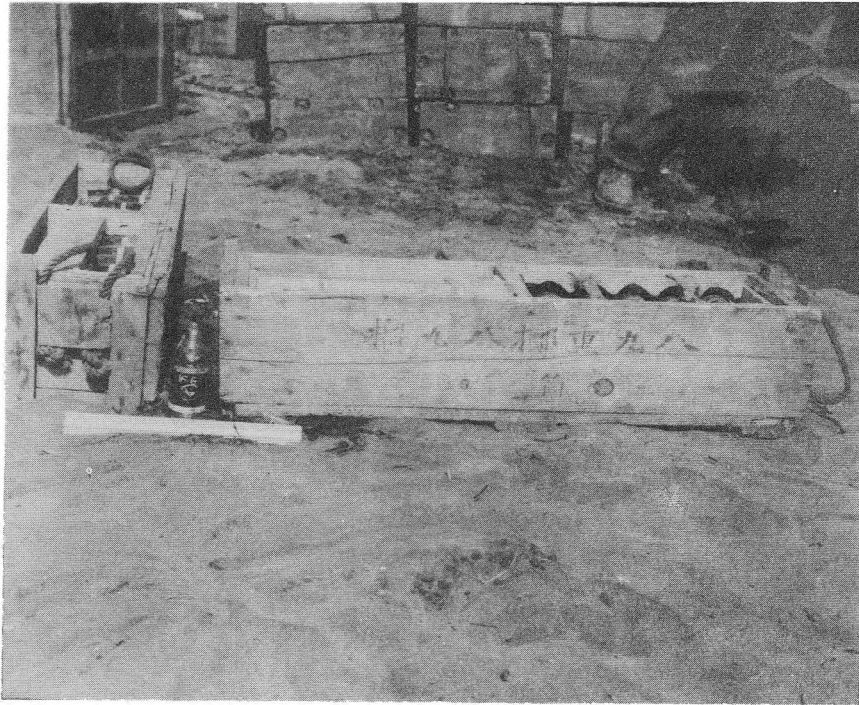
Description of Round: Caliber - 47-mm
Type - Armor Piercing/High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 White body band
Type Loading - Fixed

Fuze: Small Mk. 2 Base Fuze

Type of Gun Used: 47-mm Anti-tank Gun, Type 1

Number of Rounds per Box: 5

50-mm GRENADE DISCHARGER AMMUNITION



榴九八擲重九八

Markings:

筒〇二

Translation of Markings: "Type 89 Heavy Grenade Discharger Shell. Contents: 20 Rounds."

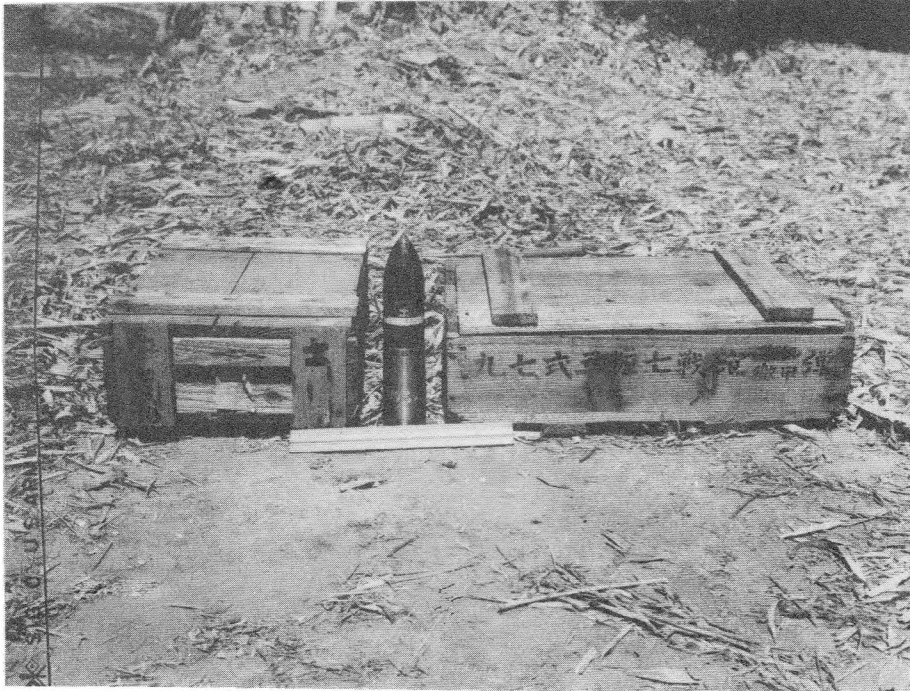
Description of Round: Caliber - 50-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band, 1
White body band
Type Loading - Perforated propellant case screwed to main shell base cover

Fuze: Type 88 Small Instantaneous Fuze

Type of Weapon Used: 50-mm Heavy Grenade Discharger, Type 89

Number of Rounds per Box: 20

57-mm TANK GUN AMMUNITION



Markings: 九七式五種七戦砲 徹甲弾
五入

Translation of Markings: "Type 97 57-mm Armor Piercing Shell. Contents: 5 Rounds."

Description of Round: Caliber - 57-mm
Type - Armor Piercing/High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose tip,
1 White body band
Type Loading - Fixed

Fuze: Type 92 Small Base Fuze

Type of Gun Used: 57-mm Tank Gun, Type 97

Number of Rounds per Box: 5

70-mm HOWITZER AMMUNITION



式 = 九
砲兵歩
Markings: 榴
八 八

Translation of Markings: "Type 92 Infantry Howitzer.
Contents: 8 Rounds."

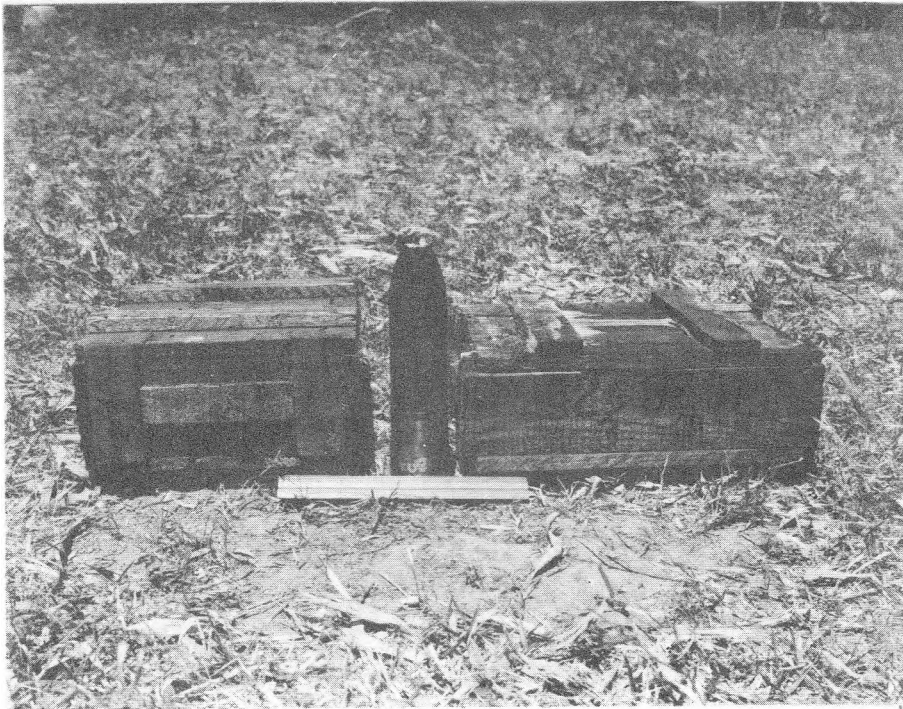
Description of Round: Caliber - 70-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band
Type Loading - Semi-fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 70-mm Battalion Howitzer, Type 92

Number of Rounds per Box: 8

70-mm HOWITZER AMMUNITION



Markings: 92 歩 92 榴
3 個

Translation of Markings: "Type 92 Infantry Howitzer.
Contents: 3 Rounds."

Description of Round: Caliber - 70-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 White body band, 1 Red
body band, 1 Yellow body
band
Type Loading - Semi-fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 70-mm Battalion Howitzer, Type 92

Number of Rounds per Box: 3

75-mm HOWITZER AMMUNITION



Markings:

榴四九野八三
箱四

Translation of Markings: "38th Year Model, Type 94 How-
itzer Shell. Contents: 4
Rounds."

Description of Round: Caliber - 75-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band, 1
White body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 75-mm Mountain Gun, Type 94

Number of Rounds per Box: 4

75-mm HOWITZER AMMUNITION



砲山一四

Markings: 彈榴造改八九

八四

管信發瞬式八八

管信期延短式八八

Translation of Markings: "Type 41 Mountain Gun. 98 Re-
modeled Type Howitzer Shell.
Contents: 4 Rounds. Type 88
Fuze."

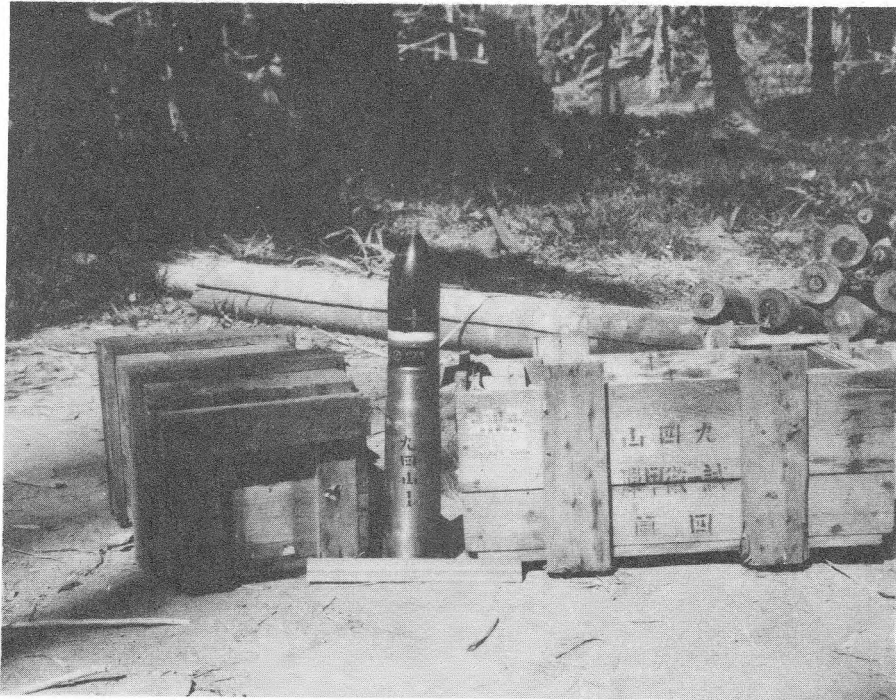
Description of Round: Caliber - 75-mm
Type - High Explosive (Shrapnel)
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
remainder of fuze adaptor
is White, 1 Yellow body
band, 1 White body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 75-mm Mountain Gun, Type 41

Number of Rounds per Box: 4

75-mm HOWITZER AMMUNITION



山四九

Markings: 彈甲徹一試

筒四

Translation of Markings: "Type 94 Mountain Gun, Experimental Type 1, Armor Piercing Shell. Contents: 4 Rounds."

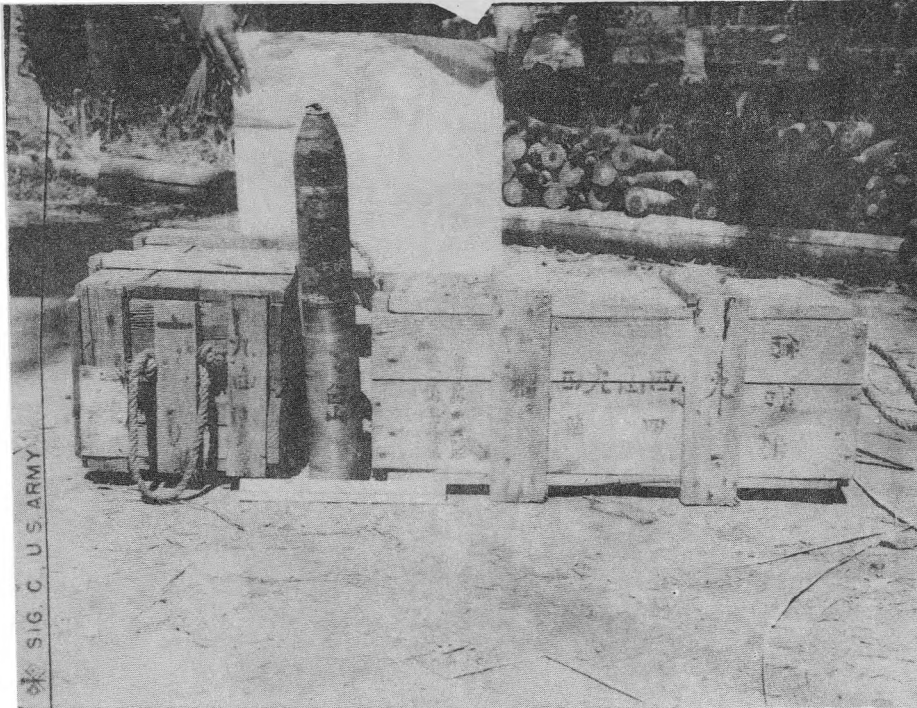
Description of Round: Caliber - 75-mm
Type - Armor Piercing/High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 White body band, 1 Green
body band
Type Loading - Fixed

Fuze: Unknown (Possibly Type 95 A.P. B.D.F. Fuze)

Type of Gun Used: 75-mm Mountain Gun, Type 94

Number of Rounds per Box: 4

75-mm HOWITZER AMMUNITION



Markings: 榴四九山四九

筒四 信管共

Translation of Markings: "Type 94 Mountain Gun Shell.
Contents: 4 Rounds. With
Fuzes."

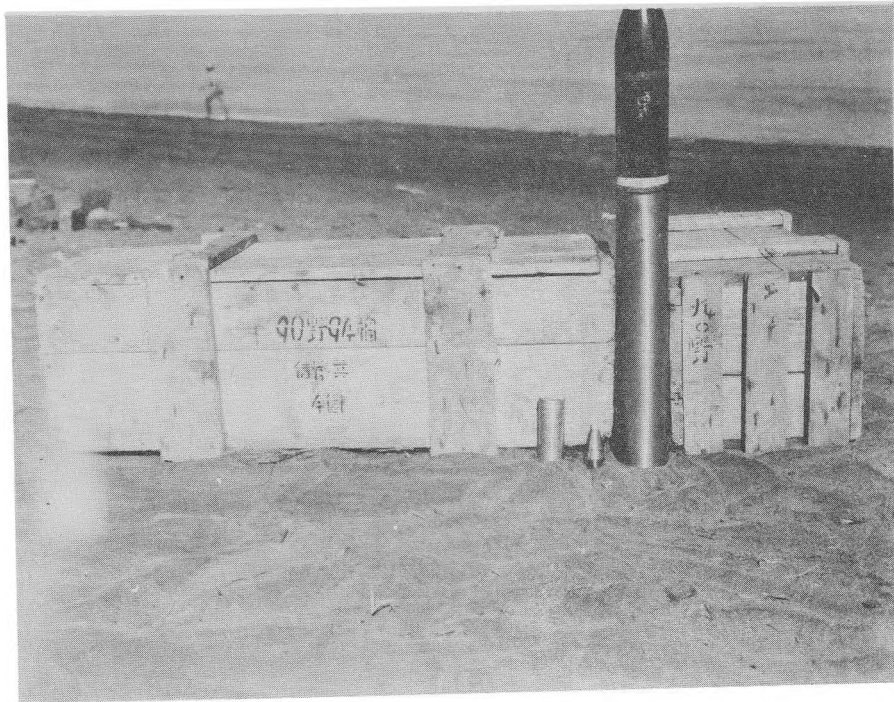
Description of Round: Caliber - 75-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band, 1
White body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 75-mm Mountain Gun, Type 94

Number of Rounds per Box: 4

75-mm GUN AMMUNITION



90野94榴

Markings:

信籠共

4箇

Translation of Markings: "Type 90 Field Gun; Type 94 Shell with Fuze. Contents: 4 Rounds."

Description of Round: Caliber - 75-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band, 1
White body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 75-mm Field Gun, Type 90

Number of Rounds per Box: 4

75-mm GUN AMMUNITION



Markings: 尖 0 九 野 0 九
四 筒
共 管 信 防 濕

Translation of Markings: "Type 90 Field Artillery Gun
Pointed Shell. Contents: 4
Rounds. Fuze included."

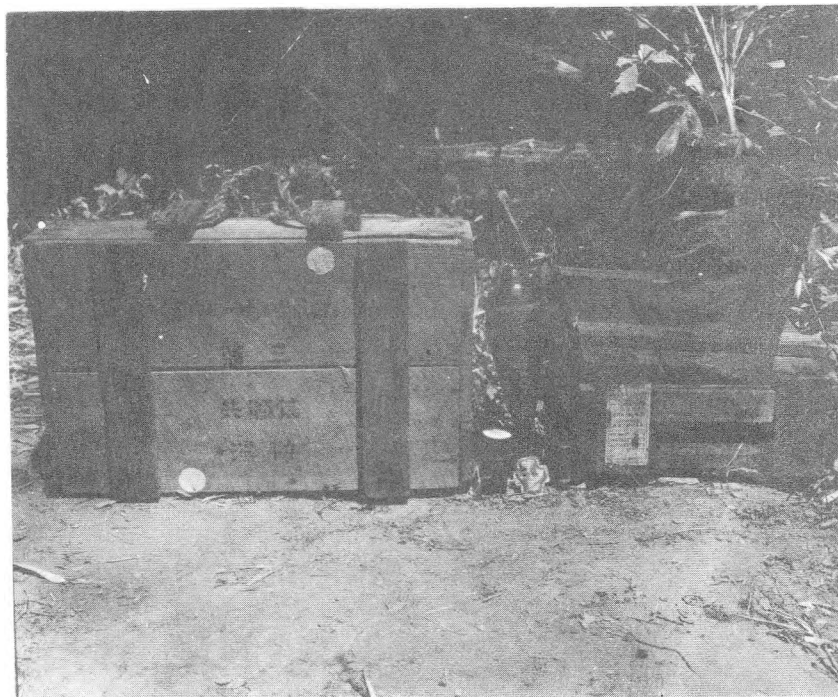
Description of Round: Caliber - 75-mm
Type - High Explosive
Number of Rotating Bands - 3
Colors - Black body, Red nose band,
1 Yellow body band
Type Loading - Fixed

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 75-mm Field Gun, Type 90

Number of Rounds per Box: 4

81-mm MORTAR AMMUNITION



榴 00 - 步 曲 七 九

Markings

筒 三
共 管 信
濕 防

Translation of Markings: "Type 97 Infantry Mortar, Type 100 Shell. Contents: 3 Rounds. Fuzes included. Keep dry."

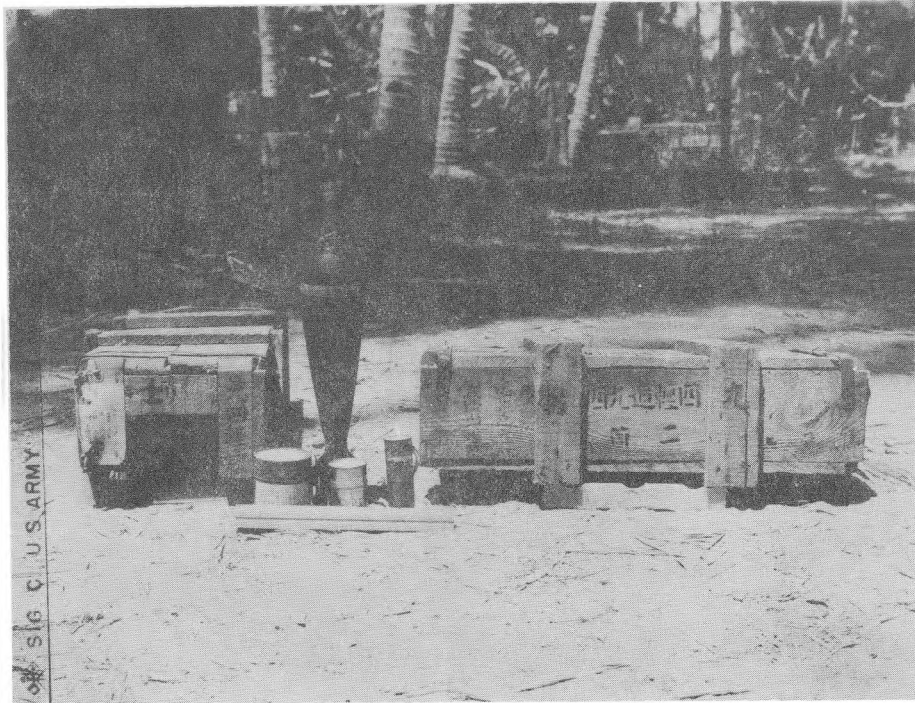
Description of Round: Caliber - 81-mm
Type - High Explosive
Colors - Black body, Red nose band,
1 Yellow body band

Fuze: Type 93 Instantaneous-Short Delay or Type 100 Instantaneous-Short Delay Fuze

Type of Mortar Used: 81-mm Mortar, Types 97 & 99

Number of Rounds per Box: 3

90-mm MORTAR AMMUNITION



Markings: 四九迫輕四九
筒二

Translation of Markings: "Type 94 Light Mortar. Contents: 2 Rounds."

Description of Round: Caliber - 90-mm
Type - High Explosive
Colors - Black body, Red nose band,
1 Yellow body band

Fuze: Type 93

Type of Mortar Used: 90-mm Light Mortar, Type 94

Number of Rounds per Box: 2

105-mm HOWITZER AMMUNITION



Markings: 九一式榴尖銳彈
二入

Translation of Markings: "Type 91 10-cm Pointed Shell.
Contents: 2 Rounds."

Description of Round: Caliber - 105-mm
Type - High Explosive
Number of Rotating Bands - 2
Colors - Black body, Red nose band,
1 Yellow body band
Type Loading - Separate

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Howitzer Used: 10-cm Howitzer, Type 91

Number of Rounds per Box: 2

105-mm HOWITZER AMMUNITION



榴 十一九
Markings 彈 銳 尖 一 九
筒 二

Translation of Markings: "Type 91 10-cm, Type 91 Point-
ed Shell. Contents: 2 Rounds."

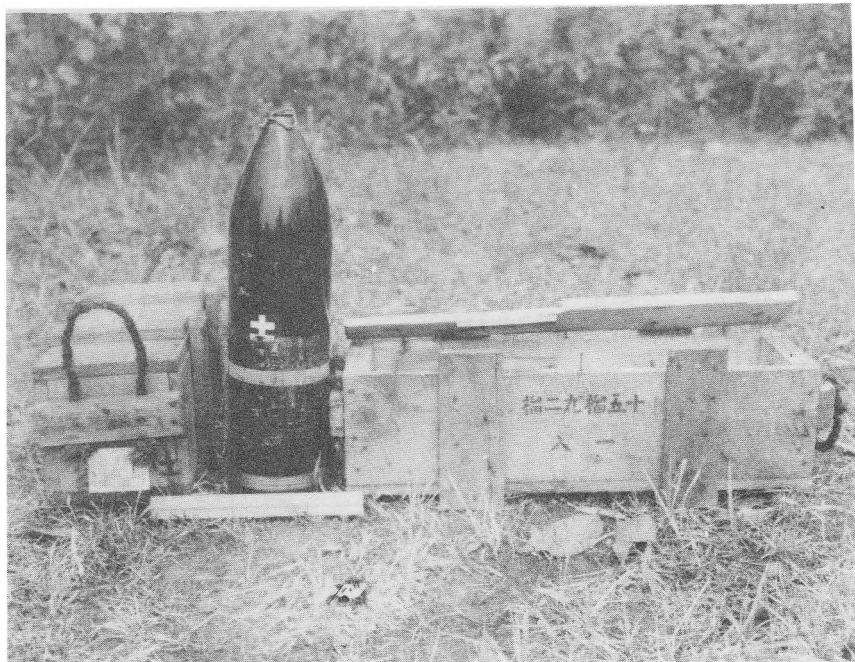
Description of Round: Caliber - 105-mm
Type - High Explosive
Number of Rotating Bands - 2
Colors - Black body, Red nose band,
1 Yellow body band
Type Loading - Separate

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Gun Used: 10-cm Howitzer, Type 91

Number of Rounds per Box: 2

15-cm HOWITZER AMMUNITION



Markings: 榴二九榴五十
八一

Translation of Markings: "15-cm Howitzer; 92 Howitzer.
Contents: 1."

Description of Round: Caliber - 150-mm
Type - High Explosive
Number of Rotating Bands - 1
Colors - Black body, Red nose band,
1 Yellow body band
Type Loading - Separate

Fuze: Type 88 Instantaneous or Type 88 Short Delay Fuze

Type of Howitzer Used: 15-cm Howitzer, Types 4 & 96

Number of Rounds per Box: 1

105-mm HOWITZER PROPELLING CHARGE



榴十式-九

Markings: 榴-九
筒藥
入六

Translation of Markings: "Type 91 10-cm Howitzer Propelling Charge. Contents: 6 Charges."

Description of Propelling Charge: Caliber - 105-mm
Case - Brass
Number of Increments - 4

Type of Gun Used: 10-cm Howitzer, Type 91

Number of Charges per Box: 6

105-mm HOWITZER PROPELLING CHARGE



式 - 九

Markings: 十粒榴彈砲藥筒

式 - 九

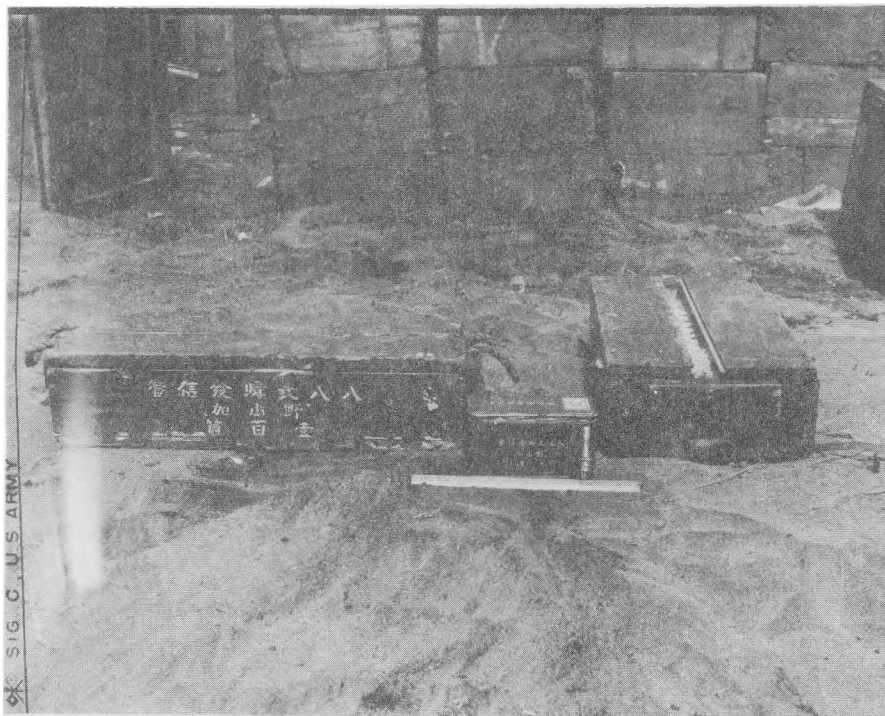
Translation of Markings: "Type 91 10-cm Howitzer Propelling Charge. Contents: 15 Charges."

Description of Propelling Charge: Caliber - 105-mm
Case - Brass
Number of Increments - 4

Type of Gun Used: 10-cm Howitzer, Type 91

Number of Charges per Box: 15

INSTANTANEOUS ARTILLERY FUZE



管信發瞬式八八

Markings:

加山野
筒百壹

Translation of Markings:

"Type 88 Instantaneous Fuze,
Field Mountain Gun. Contents:
100 Fuzes."

Description of Fuze:

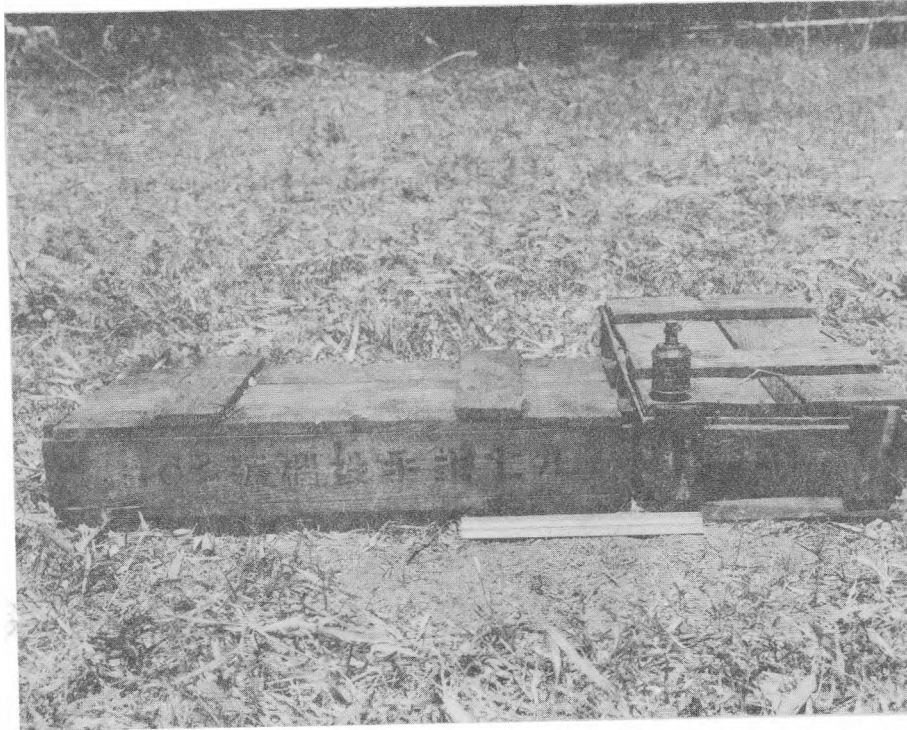
Two piece Brass body with Aluminum
nose cap. (Also found with Black
Steel body.)

Types of Projectiles Used with:

47-mm HE
57-mm HE
70-mm HE
75-mm HE
75-mm Incendiary & Smoke
105-mm HE

Number of Fuzes per Box: 100

HAND GRENADE



Markings: 筒0二彈投式七九

Translation of Markings: "Type 97 Hand Grenade. Contents: 20 Grenades."

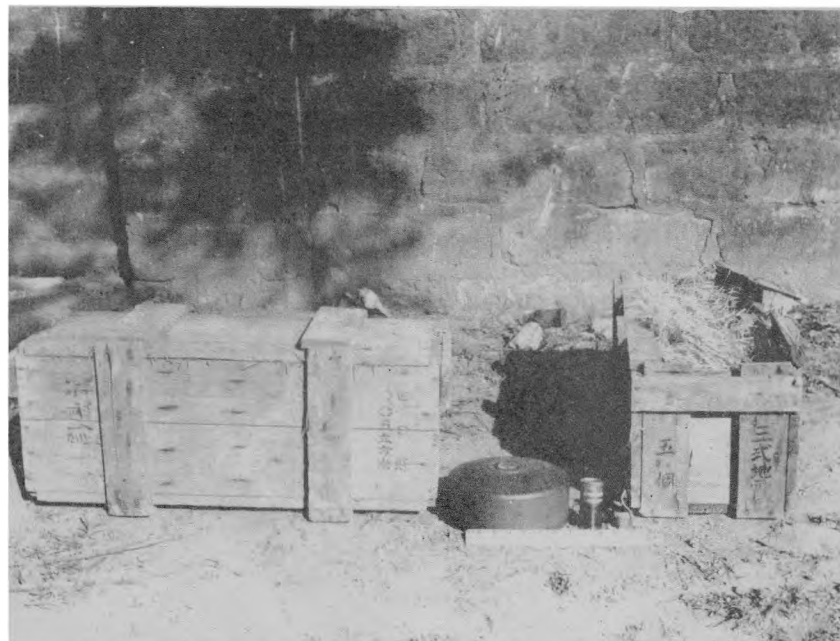
Description of Grenade: Body is painted Black with serrated surface. Fuze is Brass.

Operation of Grenade: Screw firing pin down into holder as far as it will go. Grasp grenade with fuze pointing downward and withdraw safety pin. Strike fuze head sharply against hard object and hurl grenade immediately.

Time Delay: 4-5 Seconds

Number of Grenades per Box: 20

LAND MINE



Markings:

信管
共

四口
五口
五口
五口

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三
式
地
雷

Translation of Markings:

"Type 3 Land Mine, .05 cubic meters. With fuze. Contents: 5 Mines."

Description of Land Mine:

Constructed of pottery this Mine weighs about 5-Kg and is 220-mm in diameter and 90-mm in height. The Mine blends easily with the ground because of its earthen-color.

Operation of Land Mine:

This mine can be detonated either by a pull of 25 pounds or by 10 pounds of pressure on the fuze.

Number of Mines per Box: 5



