

RESTRICTED

GENERAL HEADQUARTERS
FAR EAST COMMAND
MILITARY INTELLIGENCE SECTION, GENERAL STAFF

UNIFORM, INSIGNIA, EQUIPMENT

NORTH KOREAN ARMY

AUGUST 1950



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General Headquarters

Far East Command

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This Handbook has been prepared to provide United States military personnel of all grades and arms with a fairly detailed picture of the North Korean Army in terms of its uniform, insignia, weapons, and equipment. Also included, for your ready reference, are plates showing the insignia used by the Republic of Korea Armed Forces (Appendix A).

It is intended to keep this handbook up to date with necessary revisions and corrections as further information becomes available; therefore, in order that this may be facilitated, it is requested that all suggestions for changes or additions be communicated to the Military Intelligence Section, General Headquarters, Far East Command, APO 500.

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BY COMMAND OF GENERAL MacARTHUR

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CONTENTS

	Page
SECTION I. INSIGNIA	1
A. GROUND	2
B. AIR	4
1. Shoulder Boards	4
2. Aircraft	5
C. NAVY	6
SECTION II. UNIFORMS	7
A. GROUND	8
B. AIR	11
SECTION III. WEAPONS AND EQUIPMENT.....	13
A. SMALL ARMS	14
1. Pistol	14
(a) 8 mm Type 14 Automatic	14
(b) 7.62-mm "Nagant" M1895 Revolver.....	15
(c) 7.62-mm "Tokarev" TT 1930 Automatic.....	16
2. Submachine Gun	17
(a) 7.62-mm "Shpagin" PPSH M1941.....	17
(b) 7.62-mm "Sudaev" PPS M1943.....	18
3. Rifle	19
(a) 7.62-mm "Mossin-Nagant" M1891/30	19
(b) 6.5-mm "Meiji 38"	20
(c) 7.7-mm Type 99.....	21
4. Carbine	22
(a) 6.5-mm "Meiji 44"	22
(b) 7.62-mm "Mossin-Nagant" M1924/27.....	23
5. Anti-tank Rifle	24
(a) 14.5-mm "Siminov" PTRS-1941	24
(b) 14.5-mm "Degtyarev" PTRD-1941	25
6. Machine Gun	26
(a) 7.62-mm "Degtyarev" DP Light.....	26
(b) 7.62-mm "Maxim" M1910 Heavy.....	27
B. MORTARS	28
1. 50-mm M1938	28

	Page
2. 82-mm M1936 and M1937.....	29
3. 120-mm M1938	30
C. ARTILLERY	31
1. Field	31
(a) 76-mm M1942 "Zis 3" Field Gun.....	31
(b) 122-mm M1938 Howitzer	32
2. Anti-Tank	33
(a) 45-mm M1937	33
(b) 45-mm M1942	34
3. Anti-Aircraft	35
(a) 37-mm M1939	35
D. TANKS	36
1. Light	36
(a) T-70	36
2. Medium	38
(a) T-34/85	38
E. AIRCRAFT	40
1. Bomber	40
(a) IL-10 Attack Bomber	40
2. Fighter	44
(a) Yak 3	44
(b) Yak 9	46

APPENDIX A. INSIGNIA, REPUBLIC OF KOREA ARMED	
FORCES	48
1. FLAG	49
2. GROUND FORCES	50
3. AIR FORCES	51
a. Shoulder Boards	51
b. Aircraft	52

LIST OF PHOTOS

	Page
1. Officer, North Korean Army	9
2. Enlisted Man, North Korean Army	10
3. Officer, North Korean Air Force.....	11-12
4. 8-mm Type 14 Automatic Pistol	14
5. 7.62-mm "Nagant" M1895 Revolver	15
6. 7.62-mm "Tokarev" TT 1930 Automatic Pistol.....	16
7. 7.62-mm "Shpagin" PPSH M1941 Submachine Gun.....	17
8. 7.62-mm "Sudaev" PPS M1943 Submachine Gun.....	18
9. 7.62-mm "Mossin-Nagant" M1891/30 Rifle	19
10. 6.5-mm "Meiji 38" Rifle.....	20
11. 7.7-mm Type 99 Rifle.....	21
12. 6.5-mm "Meiji 44" Carbine.....	22
13. 7.62-mm "Mossin-Nagant" M1924/27 Carbine.....	23
14. 14.5-mm "Siminov" PTRS-1941 Anti-tank Rifle.....	24
15. 14.5-mm "Degtyarev" PTRD-1941 Anti-tank Rifle.....	25
16. 7.62-mm "Degtyarev" DP Light Machine Gun.....	26
17. 7.62-mm "Maxim" M1910 Heavy Machine Gun.....	27
18. 50-mm M1938 Mortars.....	28
19. 82-mm M1936 and M1937 Mortars.....	29
20. 120-mm M1938 Mortars.....	30
21. 76-mm M1942 "Zis 3" Field Gun.....	31
22. 122-mm M1938 Howitzer.....	32
23. 45-mm M1937 Anti-Tank.....	33
24. 45-mm M1942 Anti-Tank	34
25. 37-mm M1939 Anti-Aircraft	35
26. T-70 Light Tank	36
27. T-34/85 Medium Tank.....	38
28. IL-10 Attack Bomber.....	40-43
29. Yak 3 Fighter.....	44-45
30. Yak 9 Fighter.....	46-47

LIST OF PLATES

	Page
Plate I-1. North Korean Ground Forces Insignia of Rank (North Korean Army)	2
Plate I-2. North Korean Ground Forces Insignia of Rank (Security Forces)	3
Plate I-3. North Korean Air Forces Insignia of Rank.....	4
Plate I-4. North Korean Aircraft Insignia.....	5
Plate I-5. North Korean Navy Insignia of Rank.....	6
Plate A-1. Republic of Korea Flag.....	49
Plate A-2. Republic of Korea Armed Forces Insignia of Rank	50
Plate A-3. Republic of Korea Air Forces Insignia of Rank....	51
Plate A-4. Republic of Korea Aircraft Insignia.....	52

I. INSIGNIA

A. GROUND

B. AIR

1. Shoulder Boards

2. Aircraft

C. NAVY

NORTH KOREAN GROUND FORCES INSIGNIA OF RANK SHOULDER BOARDS AND SHOULDER STRAPS

SECURITY FORCES CAP INSIGNIA



OFFICER



LIEUTENANT
GENERAL



MAJOR
GENERAL



SENIOR
COLONEL



COLONEL



LIEUTENANT
COLONEL



MAJOR



CAPTAIN



SENIOR
LIEUTENANT



LIEUTENANT



JUNIOR
LIEUTENANT

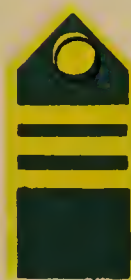
ENLISTED MEN



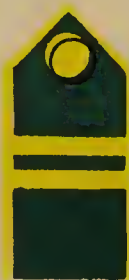
MASTER
SERGEANT



SENIOR
SERGEANT



SERGEANT



JUNIOR
SERGEANT



CORPORAL



PRIVATE

NORTH KOREAN GROUND FORCES INSIGNIA OF RANK SHOULDER BOARDS AND SHOULDER STRAPS

ARMY CAP INSIGNIA



OFFICER



LIEUTENANT
GENERAL



MAJOR
GENERAL



SENIOR
COLONEL



COLONEL



LIEUTENANT
COLONEL



MAJOR



CAPTAIN



SENIOR
LIEUTENANT



LIEUTENANT



JUNIOR
LIEUTENANT

ENLISTED MAN



MASTER
SERGEANT



SENIOR
SERGEANT



SERGEANT



JUNIOR
SERGEANT



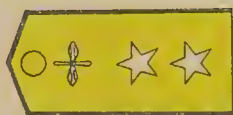
CORPORAL



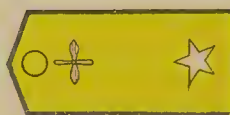
PRIVATE

NORTH KOREAN AIR FORCES INSIGNIA OF RANK SHOULDER BOARD AND SHOULDER STRAPS

OFFICER



LIEUTENANT
GENERAL



MAJOR
GENERAL



SENIOR
COLONEL



COLONEL



LIEUTENANT
COLONEL



MAJOR



CAPTAIN



SENIOR
LIEUTENANT



LIEUTENANT



JUNIOR
LIEUTENANT

ENLISTED MEN



MASTER
SERGEANT



SENIOR
SERGEANT



SERGEANT



JUNIOR
SERGEANT



CORPORAL



PRIVATE

NORTH KOREAN AIRCRAFT INSIGNIA



WINGS & FUSELAGE



WINGS



FUSELAGE



WINGS & FUSELAGE



NOTE: NUMEROUS MARKINGS HAVE BEEN OBSERVED ON NORTH KOREAN AIRCRAFT, FOUR ARE SHOWN ABOVE. BASICALLY, THE RED STAR IS USED IN THE CENTER OF THE INSIGNIA ENCOMPASSED BY CIRCLES OF VARIOUS NUMBER AND COLOR.

NORTH KOREAN NAVY INSIGNIA OF RANK SHOULDER BOARDS AND SHOULDER STRAPS

OFFICER



LIEUTENANT COLONEL



MAJOR



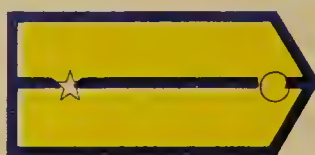
CAPTAIN



SENIOR LIEUTENANT



LIEUTENANT



JUNIOR LIEUTENANT

ENLISTED MEN



WARRANT OFFICER



SENIOR SERGEANT



SERGEANT



JUNIOR SERGEANT



CORPORAL



PRIVATE



NORTH KOREAN NAVAL ENSIGN

II. UNIFORMS

A. GROUND

B. AIR

UNIFORM

MATERIAL	Lightweight cotton.
COLOR	Dark khaki to a dull green (similar to U.S. Army fatigue clothing).
TROUSERS (Officers)	1/4 inch stripe running vertically from waist to cuff along outside seam of trousers leg. Color of stripe: N.K. Army—Red: Security Forces—Green.
(Enlisted Men)	No stripe.
JACKET (Officers)	Form fitting, reaching slightly below the waist with a 2 inch stand-up collar topped with colored piping. A 1/2 inch stripe encircles both sleeves about 3 inches above the cuff. Four 3/4 inch brass buttons close the front of jacket. Color of piping and stripe: N.K. Army—Red; Security Forces—Green.
(Enlisted Men)	Open collar without colored piping or stripes.
BELT:	Detachable brown leather about 2 1/2 inches wide worn over the jacket. Officers wear leather strap over right shoulder with the belt.
CAP:	Same material as the jacket and trousers and resembles the U.S. Army fatigue cap. Has a cloth neck shade attached to the rear which can be worn buttoned up or allowed to hang. Marked with a red star insignia over the visor.
SHOES (Officers):	Usually, black leather boots.
(Enlisted Men):	Usually, canvas uppers with rubber soles.



NORTH KOREAN OFFICERS UNIFORM
LEFT—N.K. ARMY
RIGHT—SECURITY FORCES



Sergeant—NORTH KOREAN ARMY



Lieutenant—NORTH KOREAN AIR FORCE



Lieutenant—NORTH KOREAN AIR FORCE

III. WEAPONS AND EQUIPMENT

A. SMALL ARMS

B. MORTARS

C. ARTILLERY

D. TANKS

E. AIRCRAFT



8-mm (.315 in) TYPE 14 AUTOMATIC PISTOL

The model 14 8-mm pistol is a semiautomatic, recoil-operated, magazine-fed hand weapon. The front sight is a blade type sight and the rear sight is a non-adjustable open V notch. The safety lever is moved to the forward position for "fire" and rearward for "safe." An unusually large trigger guard permits firing with a gloved hand.

CHARACTERISTICS

Calibre:	8 mm (.315 in.)
Weight:	2 lb (approx.)
Length, overall:	9 in.
Length of barrel:	4½ in (incl. chamber)
Sights:	Fixed (open).
Magazine capacity:	8 rounds.
Ammunition:	Rimless.

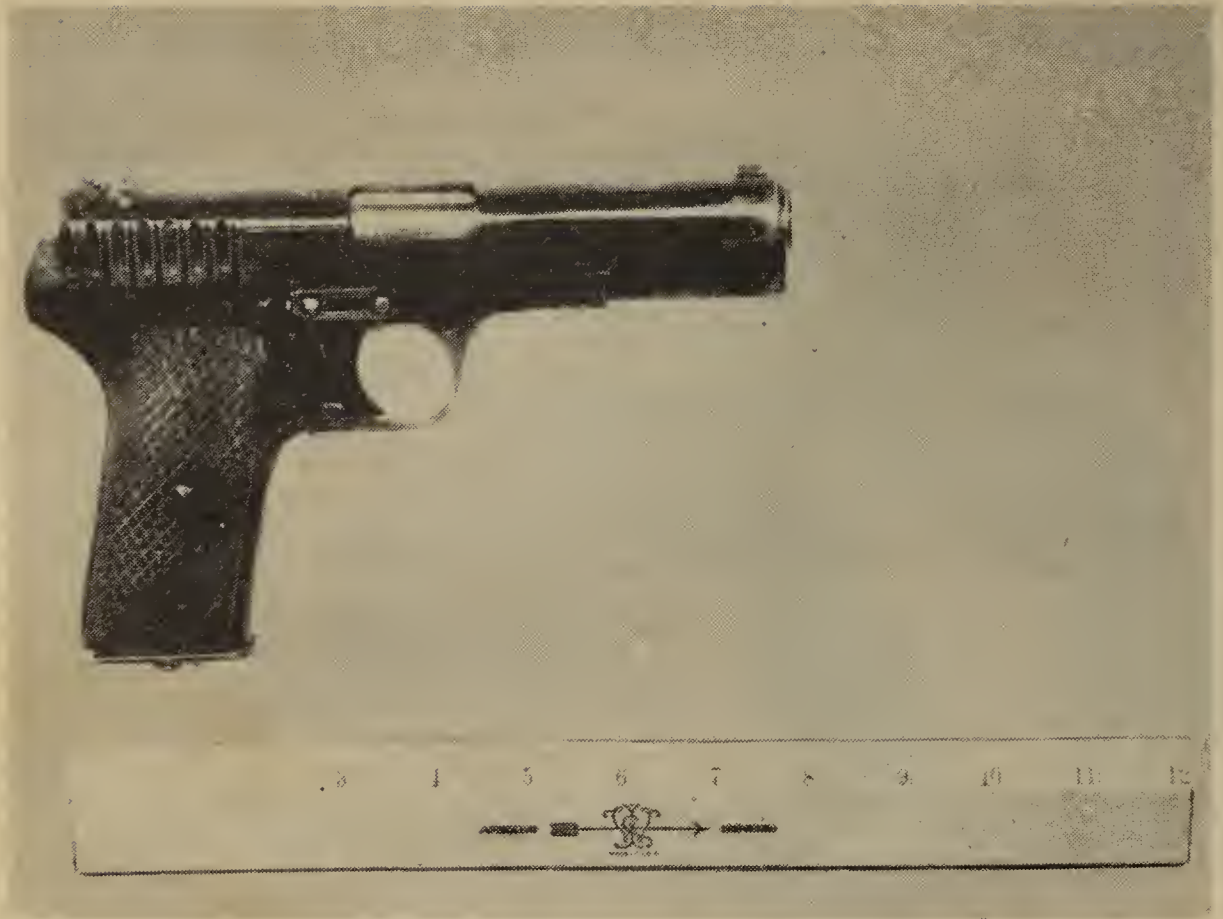


7.62-mm "NAGANT" M1895 REVOLVER

A typical double-action revolver loaded through a swinging loading gate on the right side of the frame. It has one peculiarity in that when the hammer is cocked the cylinder moves forward and the chamber in line with the barrel is locked to the protruding breech end of the barrel. This ensures a gas-tight fit. The ammunition is readily recognizable by the fact that the projectile is seated below the mouth of the rimmed cartridge case.

CHARACTERISTICS

Weight (empty):	1.82 lbs.
Cylinder capacity:	7 rds.
Length overall:	9.1 in.
Length of barrel:	5.97 in.
Weight of projectile:	108 grains.
Muzzle velocity:	890 fps.
Effective range:	50 yds.
Sights (front):	Blade.
(rear):	Fixed, open "U" notch.

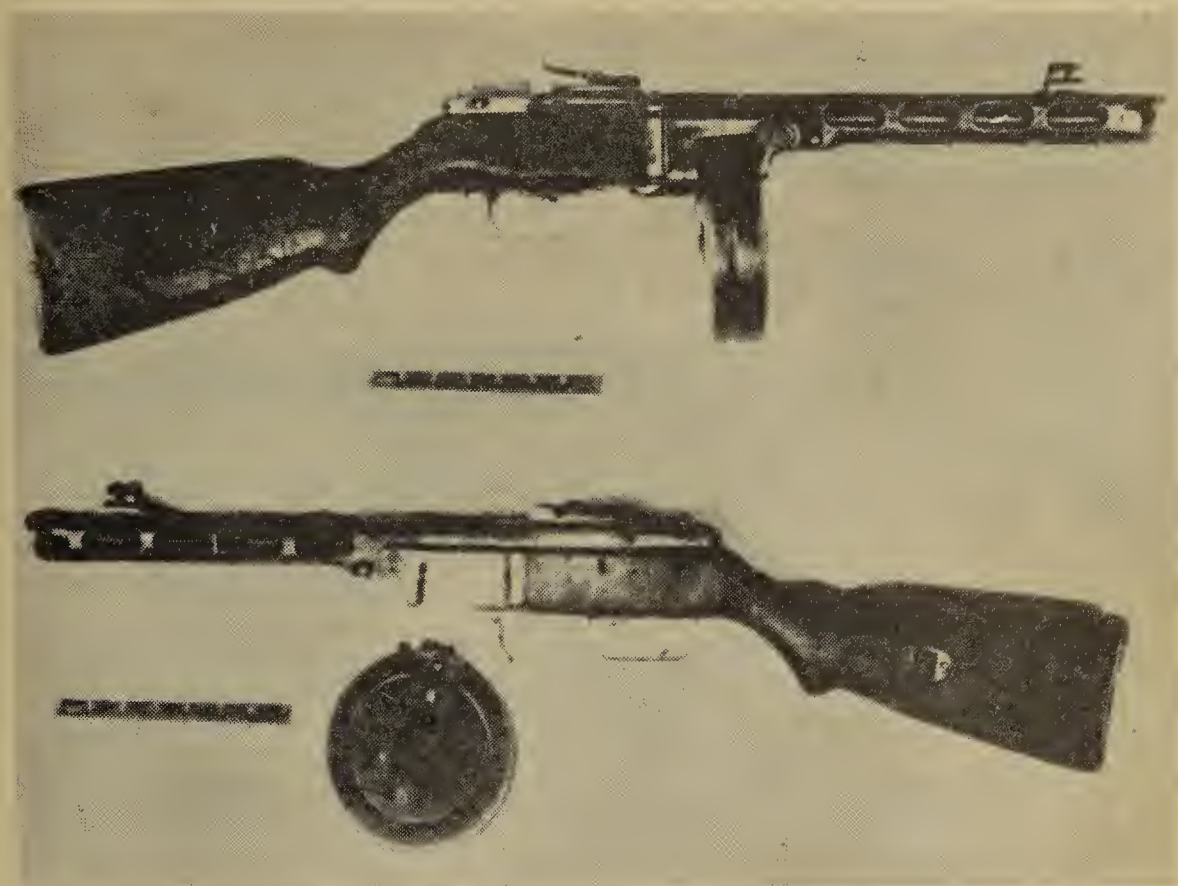


7.62 mm "TOKAREV" TT 1930 AUTOMATIC PISTOL

The "Tokarev" TT 1930 7.62-mm (Caliber .30) automatic pistol is a modified version of the U.S. Pistol, Caliber .45, M1911 and M1911 A1. It is handled like the U.S. pistol. It fires a rimless, bottle-necked case round.

CHARACTERISTICS

Weight (empty):	1.82 lbs.
Magazine capacity:	8 rds.
Length overall:	7.5 in.
Length of barrel:	4.57 in.
Weight of projectile:	85 grains.
Muzzle velocity:	1380 fps.
Effective range:	50 yds.
Sights:	Front—blade. Rear—Fixed, open 'U' notch.

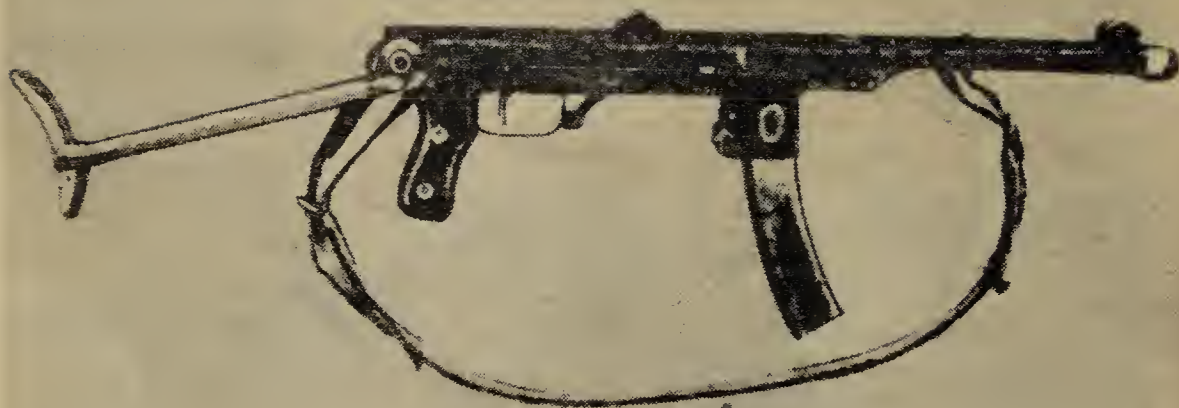


7.62-mm "SHPAGIN" PPSH M1941 SUBMACHINE GUN

The PPSH M1941 is simple in design. The receiver and perforated barrel jacket are each made of a single stamping. The barrel jacket incorporates a simple built-in muzzle brake-compensator. The bolt assembly has a fixed firing pin and a one-piece extractor. Workmanship on the weapon is rough with little machining except on working surfaces.

CHARACTERISTICS

Weight w/o mag:	7.7 lbs.	Maximum effective range:	
Weight of loaded drum mag:	4.4 lbs.	Single shot:	330 yds.
Weight of loaded box mag:	.98 lbs.	Short bursts:	220 yds.
Length of barrel:	10.6 in.	Long bursts:	110 yds.
Length overall:	33 in.		
Mag capacity: Drum—	71 rds		
Box—	35 rds		
Muzzle velocity:	1600 fps		
Effective rate of fire:			
Semi-automatic:	30 rds per min.		
Short bursts:	70 rds per min		
Long bursts:	100 rds per min		



7.62-mm "SUDAEV" PPS M1943 SUBMACHINE GUN

The PPS M1943 Submachine Gun is a very simple blow-back magazine-fed, air-cooled full-automatic shoulder weapon. It has a skeleton folding shoulder-stock which lies on top of the receiver when folded. This weapon may be fired with the stock extended or folded.

CHARACTERISTICS

Weight w/o magazine:	6.6 lbs.
Weight w/loaded magazine:	7.58 lbs.
Length w/stock extended:	32.6 in.
Length w/stock folded:	24.24 in.
Magazine capacity:	35 rds.
Muzzle velocity:	1640 fps.
Effective range:	200 meters (approx. 220 yds.)
Practical rate of fire:	100 rds. per min.
Sights:	

Front—post type, adjustable laterally and horizontally.

Rear—two aperture sights graduated for 100 meters and 200 meters (approx 110 and 220 yards)

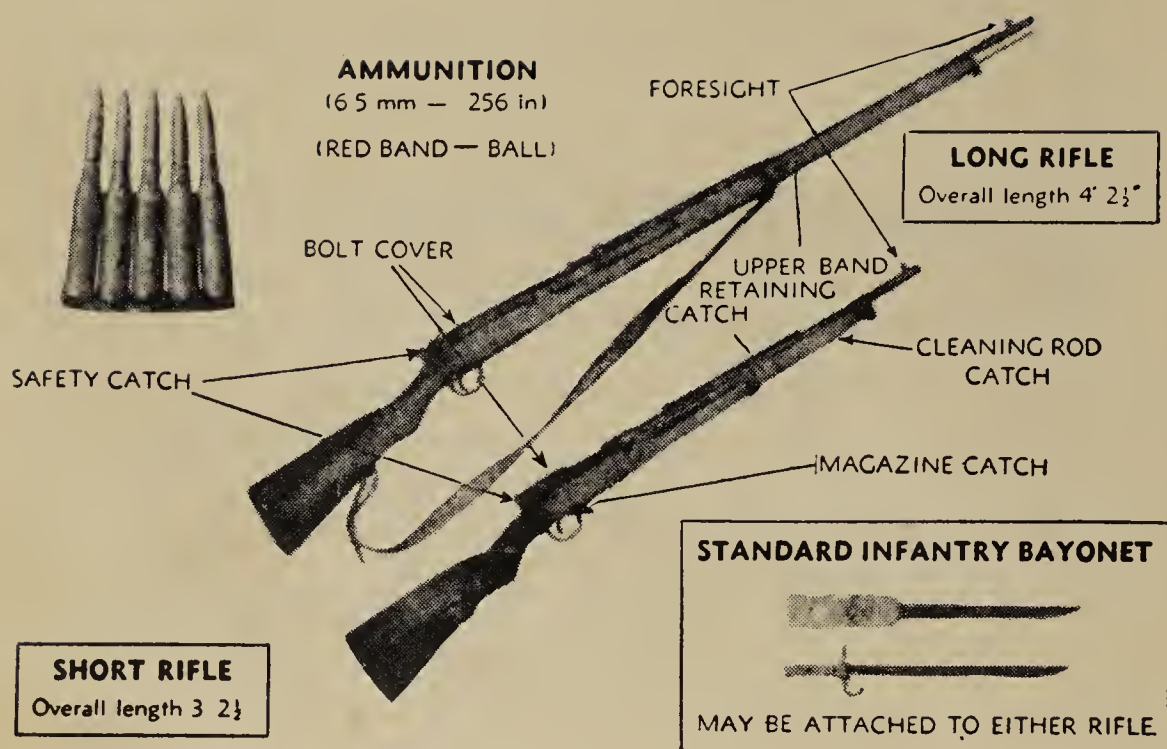


7.62-mm "MOSSIN-NAGANT" M1891/30 Rifle

The M1891/30 rifle is a manually-operated, bolt-action and magazine-fed rifle of conventional design taking a five-round clip of rimmed 7.62-mm (Caliber .30) cartridges. It is a simple, somewhat roughly-made but extremely serviceable weapon. The standard infantry version has an overlong barrel by U.S. standards which is six inches longer than that of the U.S. Caliber .30 M-1 rifle. Its defects are a slow rate of combat aimed fire (10 rounds per minute) and its inconvenient length.

CHARACTERISTICS

Weight with bayonet:	9.9 lbs.
Weight w/o bayonet:	8.58 lbs.
Length w/o bayonet:	59 in.
Effective range:	
600 meters—(approx. 660 yards) with telescopic sight.	
400 meters—(approx. 440 yards) with iron sights.	
Muzzle velocity:	2838 fps.

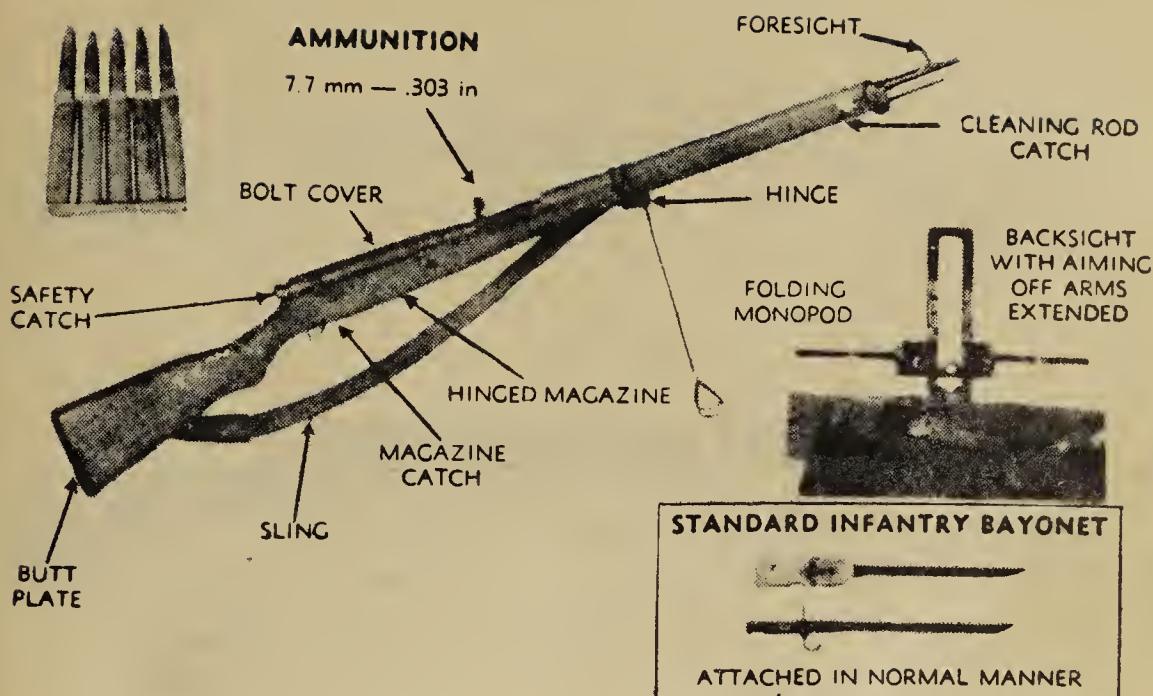


6.5-mm (.256 in) MEIJI 38 (1905) INFANTRY RIFLE

An extreme range of 2,400 meters is claimed for the long rifle and 2,000 meters for the short rifle, indications are that they are only accurate to 500 yards.

CHARACTERISTICS

Calibre:	6.5 mm (.256 in.)
Length overall:	Long—4 ft. 2½ in. Short—3 ft. 2½ in.
Weight:	Long—8 lb. 12 ozs. (w/o bayonet). Short—8 lb. (w/o bayonet).
Magazine:	Fixed, vertical box.
Magazine capacity:	5 rds.
Bolt: "Mauser" type fitted with removable dust cover.	
Sights: Ladder type backsight graduated to—	Long—400-2,400 meters. Short—400-2,000 meters.



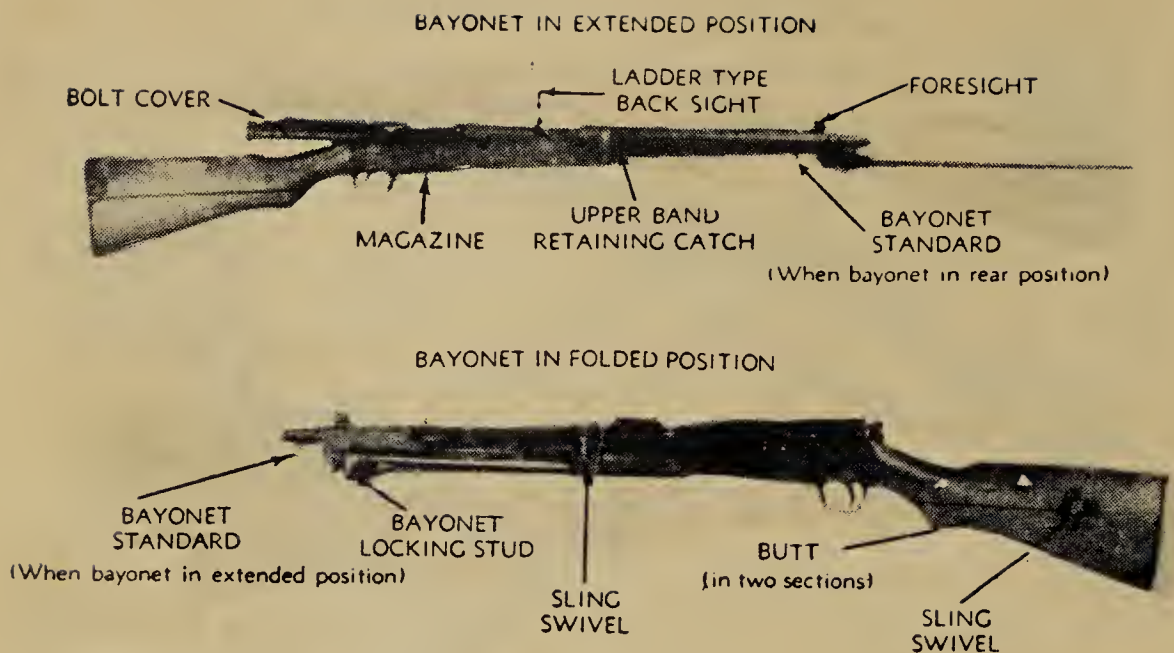
7.7-mm (.303 in) TYPE 99 (1939) INFANTRY RIFLE

The general appearance of this rifle is similar to the familiar 6.5-mm "MEIJI 38" but sight modifications have been incorporated making it easier handled and a better finished weapon. A wire monopod is fitted to the lower band and rotates forward to catch on the stock when not in use.

Hinged wings $2\frac{3}{8}$ in. long are attached to left and right side of the backsight slide, providing "lead" when engaging moving targets.

CHARACTERISTICS

Calibre:	7.7 mm (.303 in.)
Length overall:	3 ft. 8 in.
Weight: (unloaded w/sling)	8.8 lbs.
Magazine:	Fixed, vertical box.
Magazine capacity:	5 rds.
Bolt Action:	"Mauser" type-fitted with removable dust cover.
Sight:	Ladder type backsight graduated from— 300-1,500 meters.
Muzzle velocity:	2369 fps.



6.5-mm (.256 in) MEIJI 44 (1911) CARBINE

This rifle, although similar in action and general design to the "MEIJI 38," has several modifications. A permanently attached folding bayonet has been added to the normal "MEIJI 38" infantry rifle, combined with a shortening of the stock, barrel and backsight. A tapered, spike-type bayonet, which is grooved top and bottom, is hinged to the bayonet base. The bayonet base, which is also the nose cap of the rifle is fitted with two bayonet standards, one at rear-locking in folded position and another at the front locking in extended position.

CHARACTERISTICS

Calibre:	6.5 mm (.256 in.)
Weight:	8.75 lb.
Overall length:	
(bayonet folded)	38 in.
(bayonet extended)	51.63 in.
Length of barrel:	19.37 in.
Rifling:	Uniform RH
Magazine capacity:	5 rds.
Sights:	400-2000 Meters.

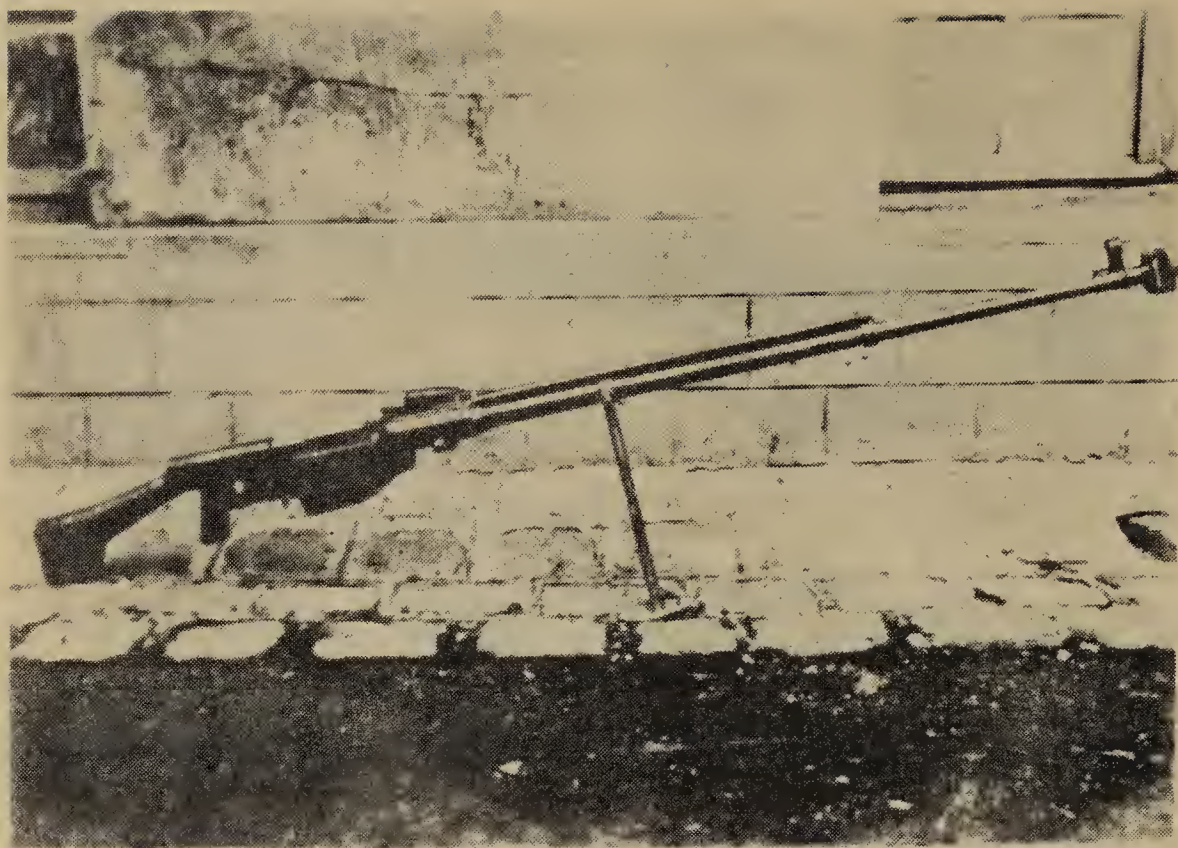


7.62-mm "MOSSIN-NAGANT" M1924/27 CARBINE

The M1924/27 7.62-mm carbine is essentially a shortened M1891/30 rifle. The action is exactly the same as that of the M1891/30 rifle. The only difference is that the length of the M1924/27 is 40 in. compared to the 59 in. of the M1891/30.

CHARACTERISTICS

Weight: (loaded)	7.9 lbs.
Length overall:	39.8 in.
Length of barrel:	20.1 in.
Magazine capacity:	5 rds.
Sights:	Front—as on M1891/30 rifle. Rear—tangent leaf with U-notch, graduated from—100 to 1000 meters (approx. 110 to 1100 yds.)
Muzzle velocity:	2650 fps.
Effective rate of fire:	10 aimed shots per min.
Maximum effective range:	Approx. 400 yds.



14.5-mm "SIMINOV" PTRS-1941 ANTI-TANK RIFLE

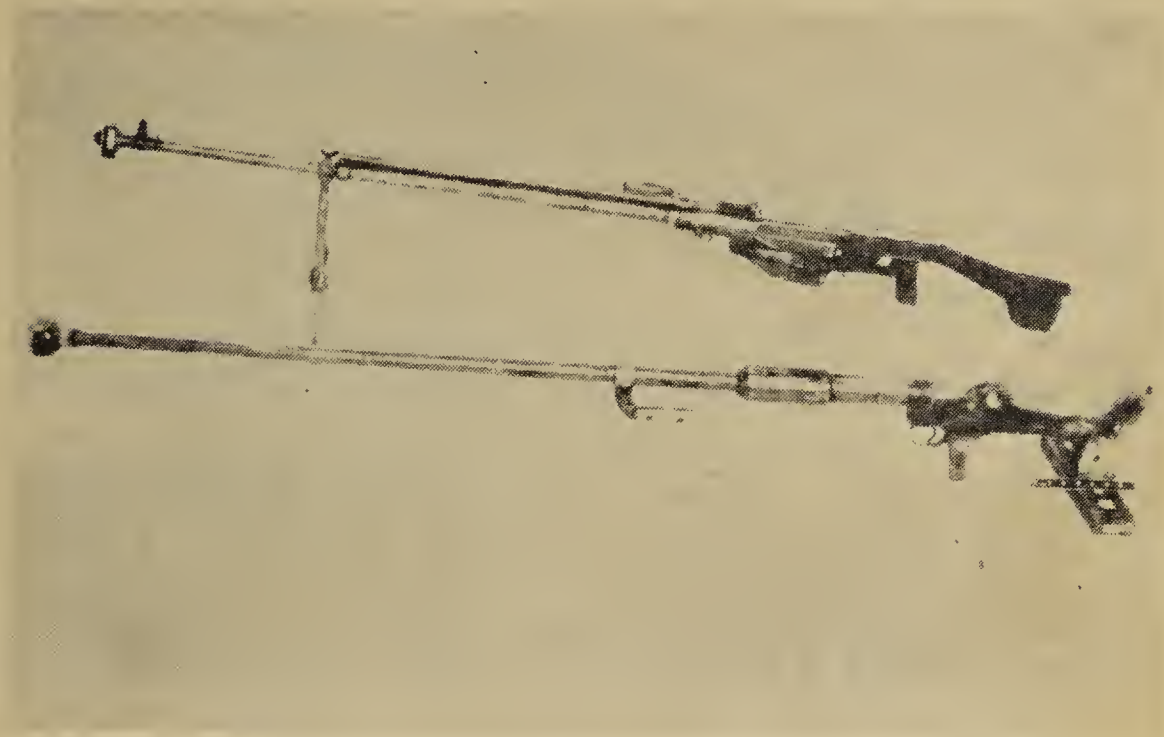
This is a gas-operated, magazine-fed, semi-automatic weapon. It is bipod-mounted and is fitted with a muzzle-brake. Normally a five-round clip is inserted through the bottom of the magazine, but it is possible to load single rounds through the top of the action with the bolt retracted.

CHARACTERISTICS

Caliber:	14.5-mm(.57 in)	Penetration:
Wt (unloaded):	46.1 lbs	Against armor plate at
Lgt overall:	83 in	30° from normal
Lgt of barrel:	53.2 in	110 yds — 1.18 in
Mag capacity:	5 rds	330 yds — 1.08 in
Muzzle velocity:	3350 fps	550 yds — 0.98 in
Effective rate of fire:	10 to 15 rds per min.	
Effective maximum range:		
Against moving lightly armored vehicles:	550 yds	
Against fixed ground targets:	880 yds	

Top: 14.5-mm "SIM'NOV" PTRS-1941 Anti-tank RIFLE

Bottom: 14.5-mm "DETYAREV" PTRD-1941 Anti-tank RIFLE



14.5-mm "DEGTYAREV" PTRD-1941 ANTI-TANK RIFLE

This is a single-shot anti-tank weapon using a turning bolt action with automatic ejection. It is bipod-mounted and is fitted with a padded shoulder and cheek piece. During recoil the bolt is unlocked and extraction and ejection are automatic. The overall length of the weapon makes it awkward to transport.

CHARACTERISTICS

Caliber:	14.5-mm (.57 in)	Peneration:
Wt. (unloaded):	38.1 lbs.	Against armor plate at
Lgt. overall:	79 in.	30° from normal:
Lgt of barrel:	53.2 in.	110 yds—1.18 in.
Capacity:	Single round.	330 yds.—1.08 in.
Muzzle velocity:	Approx. 3350 fps.	550 yds.—0.98 in.
Effective maximum range:		
Against moving lightly—		
armored vehicles:	550 yds.	
Against fixed ground		
targets:	880 yds.	
Effective rate of fire:	8 to 10 rds. per min. (2-man crew).	

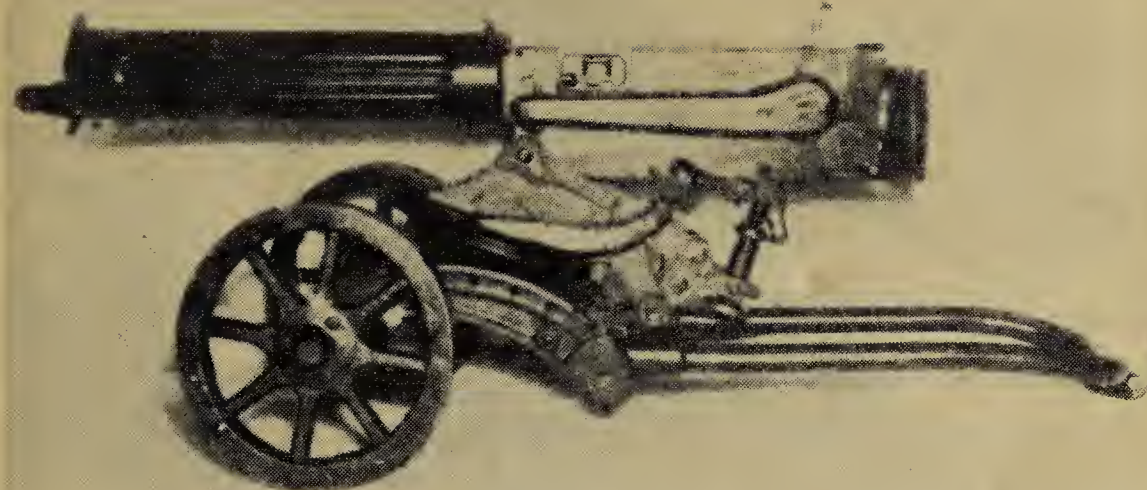


7.62-mm "DEGTYAREV" DP LIGHT MACHINE GUN

The DP is a gas-operated, air-cooled, full-automatic, drum fed weapon fired from a bipod. It is a simple, dependable weapon; however, it is somewhat inconvenient to carry and its 47-round drum magazine is heavy, complicated and difficult to load and assemble. The DP has a removable barrel and a unique safety that is located just to the rear of the trigger guard. The weapon is always safe until the hand grasps the stock ready to fire. This is similar in function to the grip-safety on the U.S. Pistol, Caliber .45 M1911 or M1911A1.

CHARACTERISTICS

Weight: (with bipod and empty drum)	24 lbs.
Weight of empty magazine:	3.75 lbs.
Length: (overall)	50.5 in.
Length of barrel:	23.78 in.
Capacity of drum magazine:	47 rds.
(Tank drum)	97 rds.
Practical rate of fire: (short bursts)	80 rds. per min.
Effective range: Ground targets up to	800 meters—
	(approx. 880 yds.)
AA targets up to	500 meters—
	(approx. 1650 ft.)
Muzzle velocity: Ball—	2771 ft per second
API—	2762 ft per second



7.62-mm "MAXIM" M1910 HEAVY MACHINE GUN

This is the standard 7.62-mm (Caliber .30) heavy machine gun. It is a recoil-operated, gas-assisted, water-cooled, belt-fed automatic weapon on either of two types of mounts. The "Universal" M1931 mount is readily convertible to an AA mount. The older "Sokolov" mount is not so convertible. Both mounts are wheeled, the wheels on the M1931 mount are removable. Steel shields are sometimes used.

CHARACTERISTICS

Weight of gun and M1931 tripod: (w/o water)	116.3 lbs.
Weight of gun and "Sokolov" mount:	126 lbs.
Length of gun: (overall)	43.5 in.
Length of barrel:	28.4 in.
Capacity of belt:	250 rds.
Practical rate of fire:	250 to 300 rds per min.
Effective ranges: Ground targets up to 3500 meters—(approx. 3900 yds.) AA targets up to 1500 meters—(approx. 4950 ft.)	
Muzzle velocity:	2854 ft per second.



50-mm M1938 MORTAR

The M1938 consists of a smooth-bore tube, a bipod, and a small oval base plate. Range adjustments are made by rotating a sleeve attached to the base of the tube. The bipod, which superficially resembles the bipod of the U.S. 60-mm Mortar, M-2, allows two fixed elevations, 45 degrees and 75 degrees. Two milled slots, marked 45° and 75°, are provided for the mounting of the sight. A rectangular base plate usually is substituted for the small oval base plate during mountain operations.

CHARACTERISTICS

Caliber:	50-mm (1.97 in.)
Weight (with oval base plate):	Firing position—26.5 lbs. Traveling position—34 lbs.
Weight:	Tube—8.3 lbs. Bipod—5.3 lbs. Base plate (oval)—12.8 lbs.
Length of bore (at maximum range):	22.4 in.
Dimensions of base plate: (oval)	10.5 by 7 in.
Maximum range:	At 45° elevation—875 yds. At 75° elevation—440 yds.
Traverse:	—7° at 45°; —16° at 75°.



82-mm M1936 and M1937 BATTALION MORTAR

The M1936, 82-mm mortar, is practically identical to the U.S. 81-mm mortar M-1. Ammunition is of conventional fin-stabilized, tear drop design, resembling standard U.S. 81-mm rounds. A primary cartridge and six increments are used.

The M1937 is a modification of the M1936 using a round base plate. The bipod adjusting nut and connecting rod are located on the right rather than the left leg. Although a small rectangular base plate may be substituted in mountain operations.

CHARACTERISTICS

Caliber:	82-mm (3.23 in.)	Dia of base plate:	22.8 in.
Wt. (w/round base plate):		Total traverse:	6°
Traveling:	134.5 lbs.	Elevation:	40° to 85°
Firing:	126.3 lbs.	Maximum range:	3400 yds.
Weight:			
Tube:	40.8 lbs.		
Bipod:	39.9 lbs.		
Base plate (round):	42.8 lbs.		

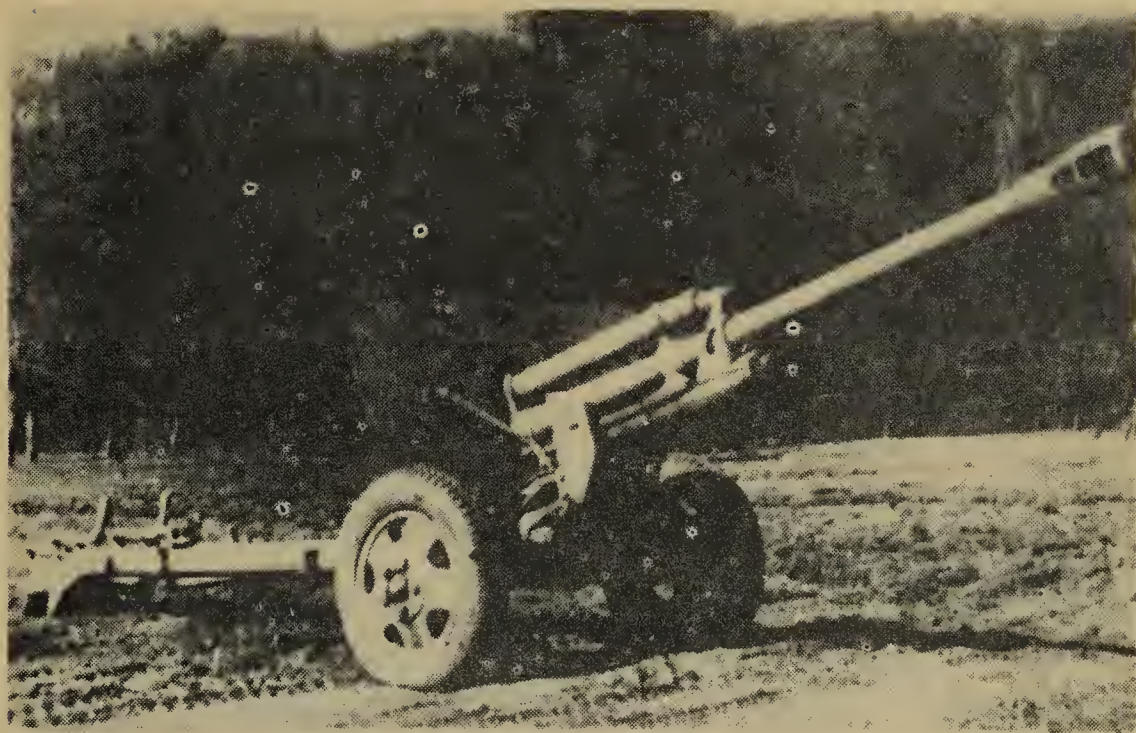


120-mm M1938 REGIMENTAL MORTAR

This mortar is a conventionally designed, smooth bore weapon designed for high angle fire. It employs a two-wheeled limber and may be either gravity or trigger fired. Ammunition is fitted with a primary cartridge and six increments. A two-wheeled ammunition trailer, carrying 20 rounds, often is towed in tandem with the mortar.

CHARACTERISTICS

Weight:	Firing position—	617 lbs
	Traveling position—	1082 lbs
Weight:	Tube—	220 lbs
	Bipod—	137 lbs
	Base plate—	207 lbs
	Length of Tube (with base cap)	73.44 in.
	Maximum range:	6500 yds.
	Total traverse:	3° at 45°
	Elevation:	+45° to +80°



76-mm FIELD GUN M1942 "ZIS 3"

The M1942 "ZIS 3" is a dual role gun for field and anti-tank purposes. The gun has a two baffle muzzle brake; pneumatic tire casings, filled with sponge rubber, mounted on semi-disk wheels. The gun has a light tubular split trail carriage.

CHARACTERISTICS

Muzzle velocity:	2231 ft. per second.
Maximum range:	14200 yds.
Weight of projectile:	13.7 lbs.
Length of barrel:	126 in.
Elevation:	-5° to plus 37°
Traverse:	50°
Weight in action:	2649 lbs.

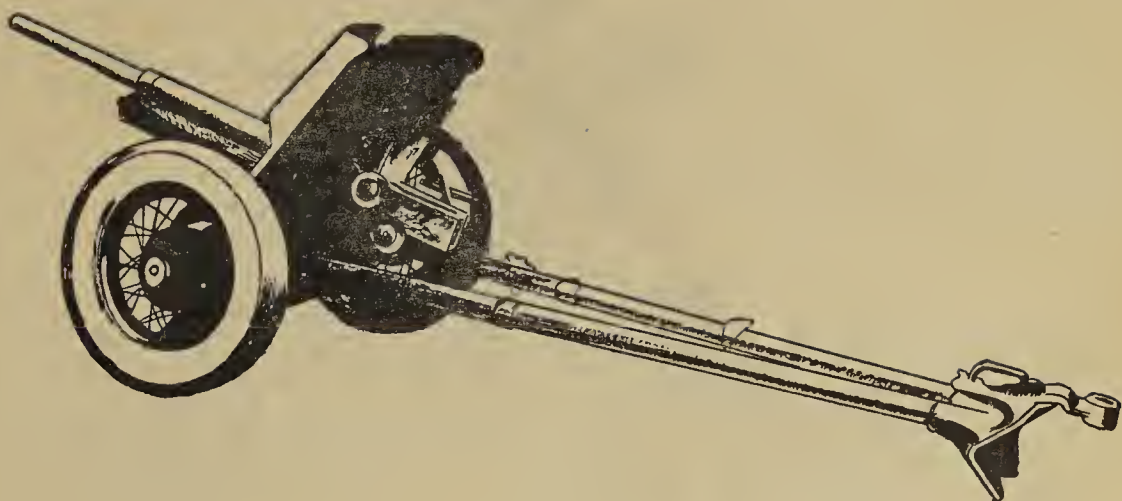


122-mm HOWITZER M1938

The M1938 Howitzer is a highly mobile, modern split trail weapon of good performance.

CHARACTERISTICS

Caliber:	122-mm.
Length of tube:	9 ft. 2 in.
Length overall (traveling):	19 ft. 7 in.
Weight in action:	4950 lbs.
Traverse:	50°
Elevation:	-3° to plus 65°
Muzzle velocity:	1690 ft. per second
Maximum range:	12980 yds.
Rate of fire:	5 to 6 rds. per min.
Weight of Projectile:	47 lbs.

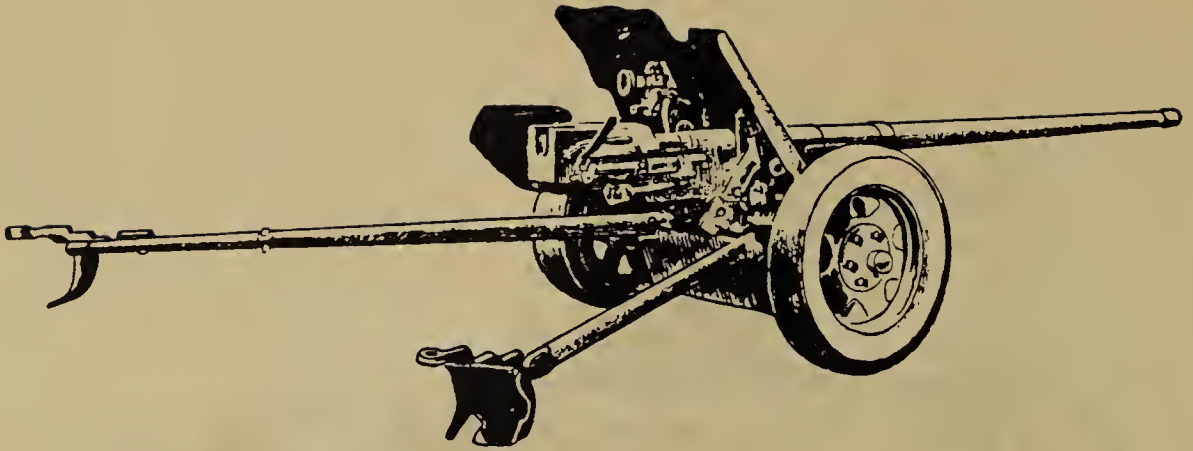


45-mm ANTI-TANK GUN M1937

The 45-mm Anti-Tank Gun is a modern designed, split trailed, rubber tired gun. The tube is short and is fitted with a vertical sliding breechblock. The trails are of tubular steel, with the spades permanently attached. The gun may be towed by a Jeep, by two horses, or by an armored tractor.

CHARACTERISTICS

Caliber:	45-mm.
Length of tube:	6 ft. 9.5 in.
Weight in action:	1144 lbs.
Traverse:	60°
Elevation:	-8° to plus 65°
Muzzle Velocity HE:	1100 ft. per second
AP:	2500 ft. per second
Rate of fire:	25 to 30 rds. per min.
Penetration AP:	2 in. at 0° at 500 yds.
Penetration Sub Caliber:	2.2 in. at 0° at 800 yds.
Weight of projectile:	HE-4.7; AP-3.1

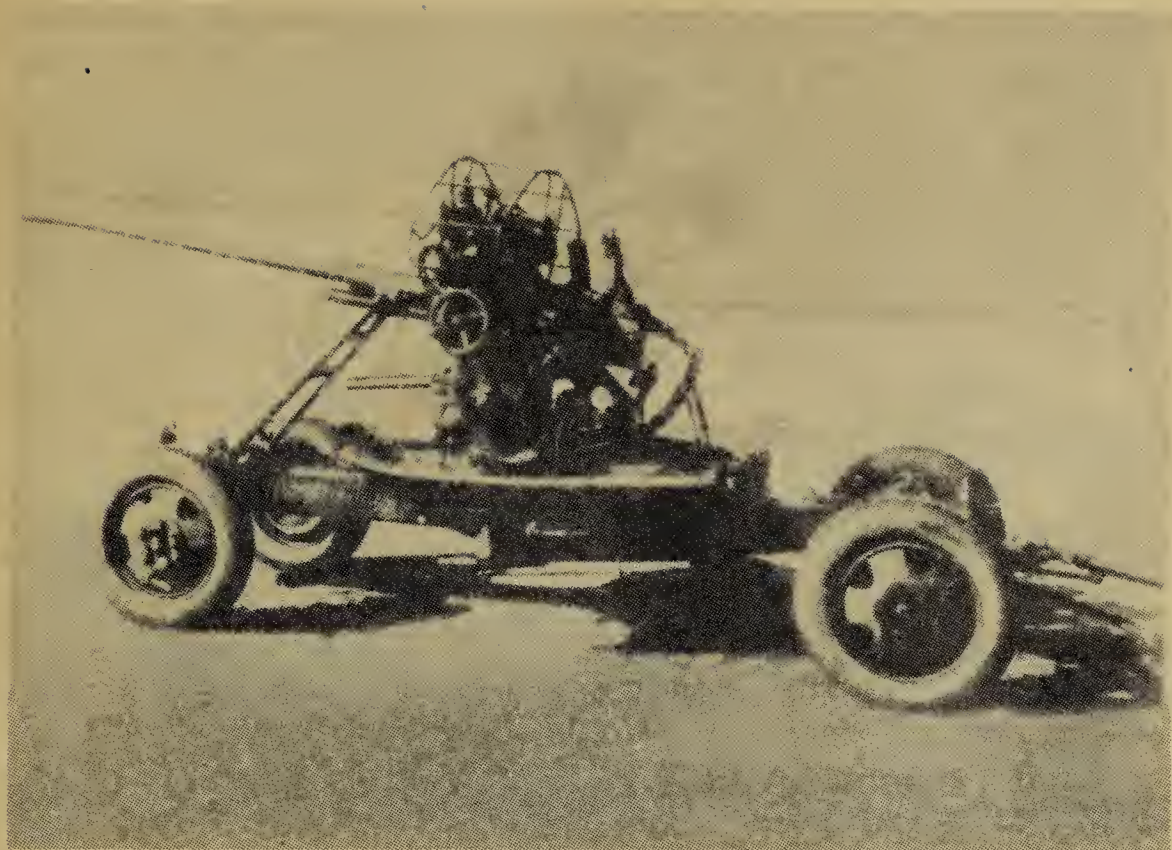


45-mm ANTI-TANK GUN M1942

This weapon is a modification of the M1937, and can easily be distinguished by its much longer tube. The shield, carriage and trail are identical to the M1937.

CHARACTERISTICS

Caliber:	45-mm
Weight in action:	1254 lbs.
Rate of fire:	30 rds. per min.
Muzzle Velocity AP:	2690 ft. per second
Muzzle Velocity Sub caliber:	3500 ft. per second
Penetration AP:	4.8 in. at 0° at 500 yds.
Weight of projectile:	AP—3.1 HE—4.7

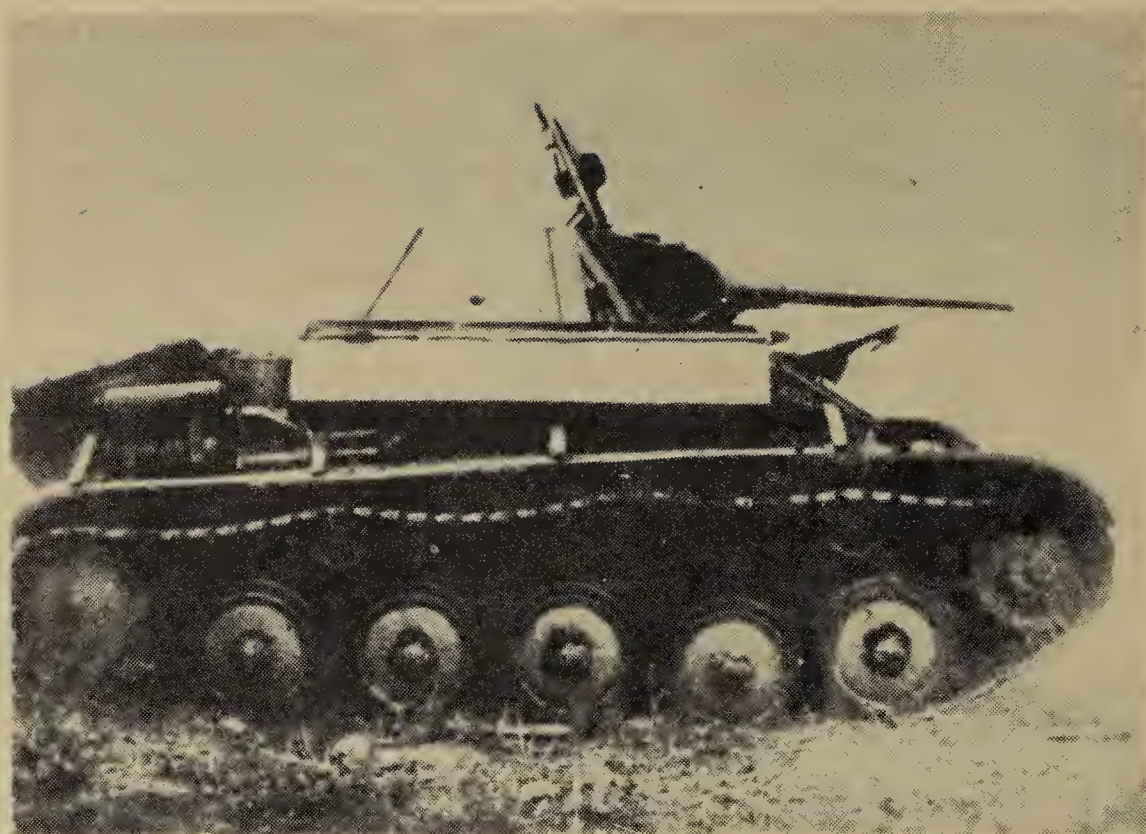


37-mm ANTI-AIRCRAFT GUN M1939

The 37-mm Antiaircraft Gun M1939 is used extensively. The weapon is mounted on a four wheeled carriage that is equipped with pneumatic tires.

CHARACTERISTICS

Caliber:	37-mm
Length of tube:	7 ft. 7.5 in.
Weight in action:	4400 lbs.
Traverse:	360°
Elevation:	+5° +85°
Muzzle velocity:	2950 ft. per second
Maximum vertical range:	19,600 ft.
Rate of fire:	160-180 rounds per min.
Types of ammunition used:	Fragmentation
Weight of projectile:	1.6 lbs.



T-70 LIGHT TANK

The points of recognition of the Light Tank T-70 are: (1) five small bogie wheels and three return rollers on each side, front sprocket and rear idler; (2) flat angular turret set to left of center with a large rounded rolling type of mantlet; (3) the hull is high with a long sloping glacis plate. The hull side armor is vertical.

CHARACTERISTICS

Wt in action:	9 tons	Armor: Turret
Crew: 2 (Cmdr-Gunner & Driver)		Front—60 mm rounded
Dimensions:		Sides —35 mm at 25°
Lgt overall: (incl. gun)	14 ft 0 in	Rear —35 mm at 30°
Width overall:	7 ft 8 in	Roof —10 mm horizontal
Hgt overall:	6 ft 8 in	
Ground Clearance:	11¾ in	

Hull and Superstructure

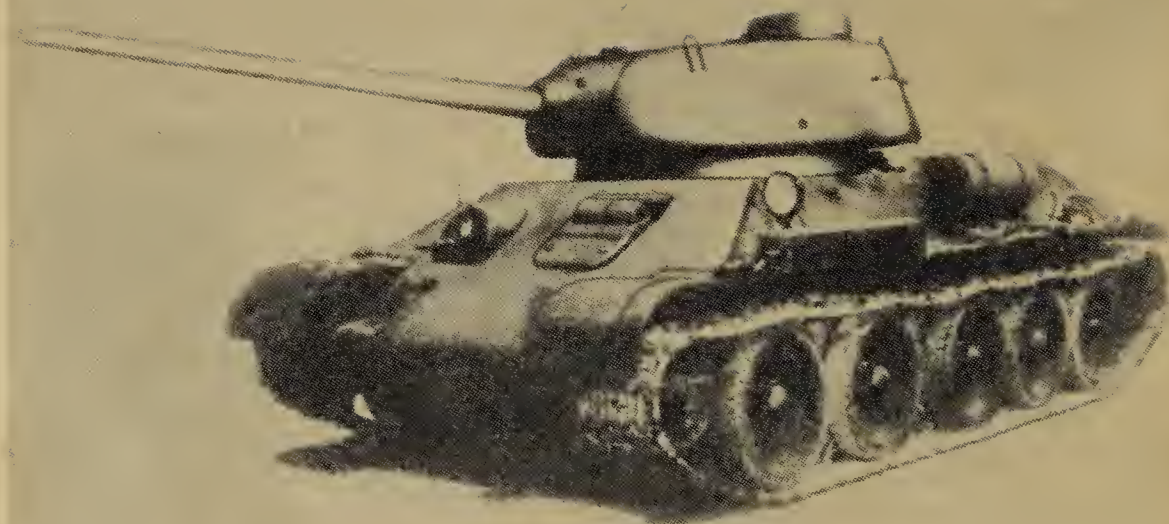
Front—	35 mm at 60°
Sides —	16 mm vertical
Rear —	25 mm at 50° and 72°
Belly —	10 mm approx. horizontal
Roof —	10 mm horizontal

Armament: One 45 mm gun (L/45) with coaxial 7.62 mm "DT" MG
Engine: Two 6 cyl. petrol engines, total output 170 metric HP
Drive: Front sprocket.
Suspension: 5 single rubber-tired bogie wheels each side, independently sprung on torsion bars. 3 return rollers each side.

Performance:

Max. speed (roads)	28 mph.
„ „ (cross country)	14 mph.
Radius of action (roads)	280 mi.
„ „ „ (cross country)	186 mi.
Gradient:	34°
Step:	2 ft. 2 in.
Fording Depth:	3 ft.
Trench:	5 ft. 11 in.

Communication: W/T transmitter and receiver.



MEDIUM TANK T-34 (w/85-mm gun)

The points of recognition of the Medium T-34/85 Tank are:

1. Five large double-type, rubber tired bogie wheels evenly spaced on each side extending from bottom to top track.
2. Hull is symmetrical, high sloped and has auxiliary fuel tanks located above the tracks on either side, aft of the turret.
3. The turret is non-angular, generally rounded and oval in plan with an overhang in the rear. It has a commander's cupola in the left side of the turret top and hand holds around the sides.
4. The tank has rear driving sprocket and front idler.
5. The main armament is unusually long and the mantlet is well molded, rounded and symmetrical.

CHARACTERISTICS

Weight in action 29 tons
 Crew 5 (Commander, gunner, loader, hull gunner and driver).

Dimensions:

Length overall (incl. gun)	24 ft. 8½ in.
Width „	9 ft. 10 in.
Height „	8 ft. 2½ in.
Ground clearance	1 ft. 4 in.

Armor:

Turret

Front	55 mm. at 20°
Sides	55 mm. at 20°
Rear	50 mm. at 25°
Roof	20 mm. horizontal

Hull and superstructure

Front	45 mm. at 60° and 50°
Sides	45 mm. at 40° and vertical
Rear	45 mm. at 45° and 50°
Roof	30 mm. horizontal
Belly	20 mm. horizontal

Armament: One 85 mm. gun and coaxial
 7.62 mm. 'DT' MG. Second 7.62 mm. MG.
 offside of glacis plate.

Engine: V-12 diesel, type 'V2', output 495 B.H.P. at 1800 r.p.m.

Drive: Rear sprocket.

Suspension: 'Christie' type, 5 double rubber-tired bogie wheels each side and no return rollers.

Performance:

Max speed (roads)	25 m.p.h. approx.
„ „ (cross country)	11 to 15 m.p.h.
Radius of action: (roads)	186 miles approx.
„ „ „ (cross country)	99 miles approx.
Gradient:	25° approx.
Step:	2 ft. 2 in.
Fording Depth:	3 ft. 10 in.
Trench:	9 ft. 2 in.

Communication: W/T transmitter and receiver, and intercommuni-
 cation.



IL-10 ATTACK BOMBER

The IL-10 is a single engine, low wing, close support ground attack bomber. The fuselage is oval and of all-metal construction. The outer section of the wing has a slightly swept back leading edge. The trailing edge sweeps forward from the root fillets and the wing tips are almost square. The tail unit includes a cantilever stabilizer with short taper on leading edge and a single fin and rudder. Landing gear is retractable and conventional.

CHARACTERISTICS

Specifications:

Span: 45 ft. 4 in.

Length: 37 ft.

Crew: 2—Pilot and Gunner

Performance:

Maximum speed: 270 knots at 6,000 ft.

Cruising speed: 217 knots

Economical speed: 160 knots

Climb: 5.5 min. to 10,000 ft.

Service Ceilings: 29,000 ft. with normal load

Take-off distance over 50 ft. obstacle: 1,500 ft. into zero wind

Fuel: (U.S. gals.)

Maximum speed: 195

Cruising speed: 108

Ranges:

With full bomb load: 420 Nautical miles at 160 knots.

Without bomb load: 760 Nautical miles at 160 knots.

Armament:

23 mm guns: 2 in wing.

12.7 mm guns: 2 in wing.

20 mm gun: 1 in power turret in rear of cockpit.

132 mm rockets: 8 under wing.

Bomb Load:

550 lb. bombs: 4

220 lb. bombs: 6

110 lb. bombs: 8

Armor:

Bullet proof windshield.

Armor in rear of gunner.

Fuselage from rear of cockpit forward is sheathed in 6.5 mm armor.

Fuel tanks are protected.

IL-10 Attack Bomber



IL-10 Attack Bomber



IL-10 Attack Bomber

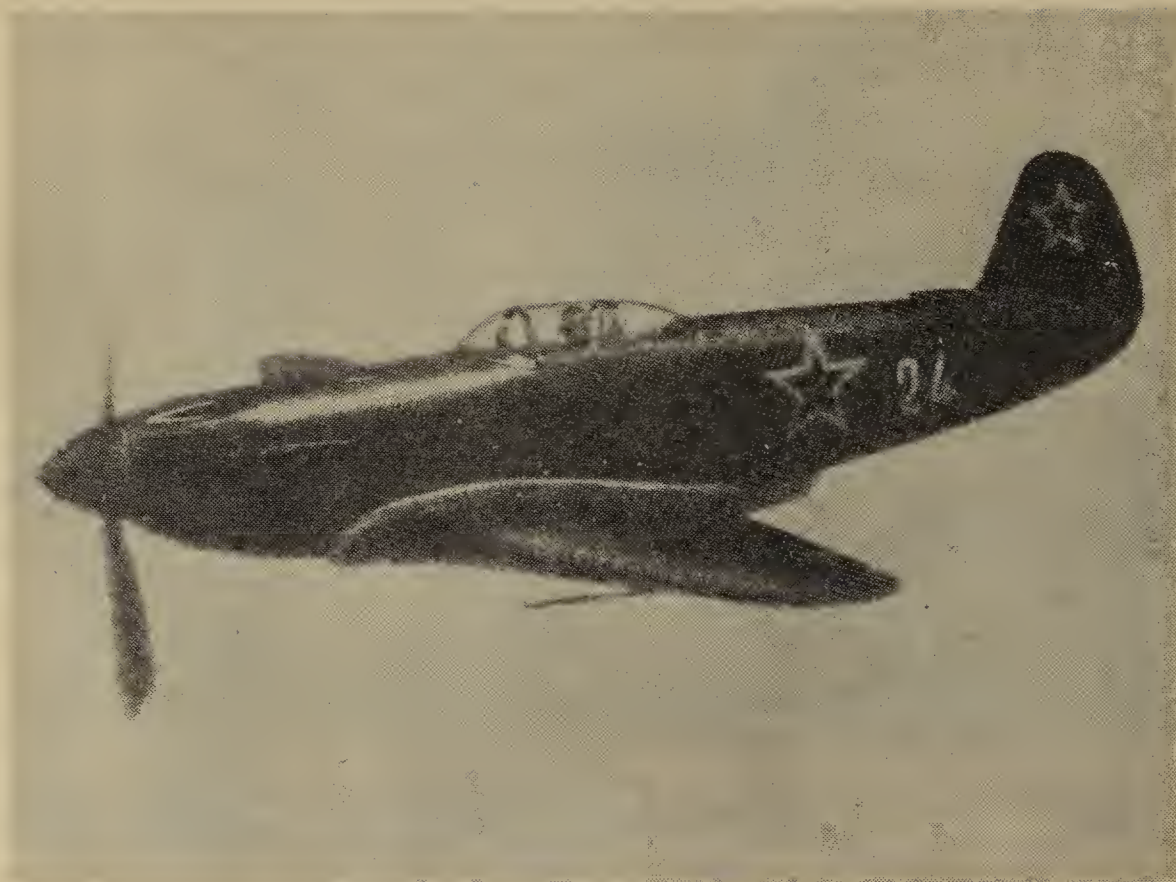


IL-10 Attack Bomber



IL-10 Attack Bomber





YAK-3

The YAK-3 is a single-engine, low-wing fighter. The wing is thin and in halves attached to a center section which forms part of the fuselage. There is taper on the leading and trailing edges with dihedral from the wing roots. The wing has a covering of plywood as does the fuselage and tail unit. The landing gear is conventional and retracts inward.

CHARACTERISTICS

Specifications:

Span: 30 ft. 2 in.

Length: 27 ft. 9 in.

Crew: 1 Pilot.

Performance:

Maximum speed: 280 knots at 16,000 ft.

Cruising speed: 290 knots at 10,000 ft.

Economical speed: 220 knots at 10,000 ft.

Climb: 5.0 minutes to 16,000 ft.

Service Ceilings: 3400 ft. with normal weight.

(YAK 3—Continued)

Take-off distance over 50 ft. obstacle:	1,125 ft. into zero wind.
Fuel: (U.S. gals.)	
Cruising speed:	96
Ranges:	420 Nautical miles at 220 knots, 10,000 ft. alt.

Armament:

20 mm guns:	1 hub mounted.
12.7 mm.	2 synchronized.

(Recently reported to consists of 3 x 20 mm guns, one in the hub and one in each wing root.)

Rockets may be carried.

Bombs may be carried.

Armor:

Windshield is not bullet proof.

Bullet proof glass behind pilot's head.

8-mm armor behind pilot's back.

Fuel tanks are protected.

YAK-3





YAK-9

The YAK-9 is a low-wing, single seat fighter plane with a single engine. The wings are of wood structure with plywood covering and are sharply tapered on the leading and trailing edges to elliptical tips. There is dihedral from the wing roots. A single tail is utilized with a full length rudder. The nose is pointed and the landing gear is a retractable conventional type. There are several versions of the YAK-9. Some are used as fighters, others as reconnaissance or ground attack planes. The major differences are armament changes and fuel capacity, however, on one model the engine has been changed.

CHARACTERISTICS—YAK-9DT

Specifications:

Span:	32 ft. 10 in.
Length:	27 ft. 11 in.
Crew:	1 Pilot
Performance:	
Maximum speed:	265 knots at 20,000 ft.

(YAK 9—Continued)

Economical speed:	175 knots at 15,000 ft.
Climb:	6.5 minutes to 16,400 ft.
Service Ceilings:	30,000 ft. with normal load
Take off distance over 50 ft. obstacle:	1,550 ft. into zero wind.
Fuel: (U.S. gals.)	
Maximum speed:	Unknown
Cruising speed:	236
Ranges:	955 Nautical miles at 175 knots, 15,000 ft. alt.
Armament:	
37 mm guns:	1 hub mounted.
12.7 mm guns:	1 synchronized.
Rockets may be carried.	
Bombs may be carried under wings.	
A armor:	
Bullet proof windshield.	
A armor behind pilot.	
Fuel tanks are protected.	

YAK-9



APPENDIX A. INSIGNIA, REPUBLIC OF KOREA ARMED FORCES

1. FLAG
2. GROUND FORCE
3. AIR FORCE
 - a. Shoulder Boards
 - b. Aircraft

FLAG OF THE REPUBLIC OF KOREA



REPUBLIC OF KOREA ARMED FORCES INSIGNIA OF RANK

OFFICERS' COLLAR INSIGNIA



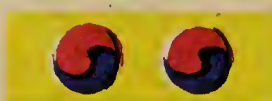
MAJOR
GENERAL



BRIGADIER
GENERAL



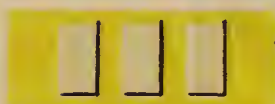
COLONEL



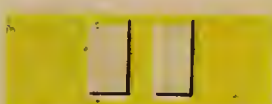
LIEUTENANT
COLONEL



MAJOR



CAPTAIN



FIRST
LIEUTENANT



SECOND
LIEUTENANT

ENLISTED MEN'S—SLEEVE INSIGNIA



MASTER
SERGEANT



FIRST
SERGEANT



TECHNICAL
SERGEANT



STAFF
SERGEANT



SERGEANT



CORPORAL



PRIVATE

REPUBLIC OF KOREA AIR FORCE

INSIGNIA OF RANK



OFFICER'S HAT EMBLEM



ENLISTED MEN'S HAT EMBLEM



COLONEL



LIEUTENANT
COLONEL



MAJOR



CAPTAIN



FIRST
LIEUTENANT



SECOND
LIEUTENANT



FIRST SERGEANT



MASTER SERGEANT



TECHNICAL SERGEANT



STAFF
SERGEANT



SERGEANT



CORPORAL

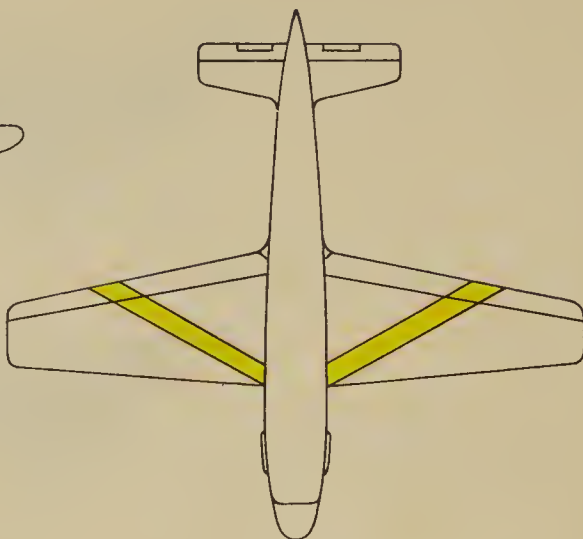


PRIVATE
FIRST CLASS

REPUBLIC OF KOREA AIRCRAFT INSIGNIA



FUSELAGE



WING (UNDERSIDE)



TAIL



WINGS AND FUSELAGE

RESTRICTED

RESTRICTED