

INFANTRY REFERENCE DATA VOLUME 1



UNITED STATES ARMY INFANTRY SCHOOL FORT BENNING, GEORGIA

JULY 1970

FOREWORD

The Infantry Reference Data Handbook was compiled in its entirety by the Brigade and Battalion Operations Department, United States Army Infantry School and is approved for resident and extension course instruction at the United States Army Infantry School only. It reflects the current thought of this school and conforms to printed Department of Army doctrine as closely as possible.

The Tables of Organization and Equipment used in compiling this handbook were G-series with any changes/updates received as of 31 January 1970. Equipment extracts, job descriptions, and grades were extracted directly from these TOE's unless otherwise noted. Only equipment necessary to shoot, move, and communicate is shown. The Infantry Division and Separate Infantry Brigade are base units. Units organized under the same TOE, but organic to more than one unit, are only shown once.

The Handbook depicts a manner in which the equipment and personnel in each TOE was intended to be organized/used. Each Commander may organize/use his own resources to best fit his individual needs in order to accomplish his assigned mission.

Recipients of this handbook are requested to forward any comments concerning omissions, discrepancies, and/or recommended changes to Brigade and Battalion Operations Department, United States Army Infantry School, ATTN: Plans and Review Branch, Fort Benning, Georgia 31905.

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Colonel, Infantry Director







From The Desk of the Historian Jim Sheppard Charlie & Headquarters Company, 1965-1968



The Following pages were extracted and scanned from the "Infantry Reference Data Handbook"

These pages are as specific to our 50^{th} Infantry, Mechanized **TO&E**, or "Table of Organization and Equipment" as could be documented.

It should be noted that vast deviations from this TO&E were realized by the 1st Battalion (Mechanized) 50th Infantry in the Vietnam Theater of Operations, In particular was formation of a fourth Riffle Company; "Delta" Company, put in place shortly after the 1/50th's arrival in Vietnam with personnel and equipment taken from the existing battalion elements.

I am including this extract to have a "benchmark" in place within our archives to indicate the accepted "norm" for that period.

All equipment seems to be covered here except the omission of the "Flame" vehicles. As a result, I am including the following page on the APCs which were adapted to accommodate the flame function. This following page was gleaned from a <u>http://www.gruntonline.com</u> web page.

M-132 Self Propelled Flame-Thrower

With the crew compartment converted for the carrying of napalm and a turret mounting a flame canon, the M-132, though particularly vulnerable itself was nonetheless a formidable assault vehicle and a very successful variant (see Picture Gallery).



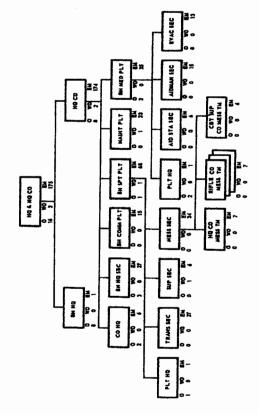
The first M-132's arrived in RVN in August 1962 but saw little practical use. In December 1964, 1st Armored Cavalry took delivery of two vehicles in order to conduct field tests which proved highly successful. The recommendation from 1st AC was that each regiment should incorporate four M-132's along with two M-113 service vehicles.



Nicknamed the 'Zippo' after the popular American cigarette lighter, instead of the standard commander's cupola the M-132 had a small enclosed one-man turret. The turret had a dual mount consisting of a flame-gun and a machine-gun.

200 gallons of napalm fuel was carried on-board, stored in the converted crew compartment.

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1. MISSION

2-42

To provide command staff, administration, communications, supply, maintenance, and medical support for the Infantry Battaion (Mechanized).

2. ASSIGNMENT

Organic to Infantry Battalion (Mechanized), Armored Division, Infantry Division (Mechanized), Separate Armored Brigade, or Separate Infantry Brigade (Mechanized), TOE 7-45.

3. CAPABILITIES

a. Command, control, staff planning, and supervision of operations of organic and attached elements of the Infantry Battalion (Mechanized), Armored Division, Infantry Division (Mechanized), Separate Armored Brigade, and Separate Infantry Brigade (Mechanized).

b. Supply and organizational maintenance support.

 C. Centralized (battalion) or decentralized (company) messing, as required.

d. Communications support.

e. Unit medical service, including providing aidmen to the rifle companies and combat support company.

4. MOBILITY

For the purpose of tactical movement this unit is 100 percent mobile in organic vehicles and in aircraft.

TOE 7-46G dated 12 September 1969

SUMMARY OF EQUIPMENT

STRATEGIC COMMUNICATIONS COMMAND	Cipher Machine TSEC/KL-7	ELECTRONICS COMMAND	Control Radio Set C-2299/VRC	AN/TVS-2	Radiac Set AN/PDR-27	Radiacmeter IM174/PD	Radio Set AN/GRC-160	Set	Set	Set	Padio Set AN/VRC-64	• •	& Switchboard Telephone Manual SB-22/PT.	MOBILITY, AVIATION MATERIAL AND TANK AUTOMOTIVE COMMANDS	Carrier Command and Reconnaissance Armored.	Carrier Command Post Light Tracked	Carrier Personnel Full Tracked Armored	Drum and Pump Unit Liquid Dispensing Tracked	Carrier Mounting	Tank and Fump Unit Liguid Dispensing Truck	Iank Unit Liquid Dispensing I railer Mounting	Trailer Ammunition 1-1/2 Ton 2 Wheel WE

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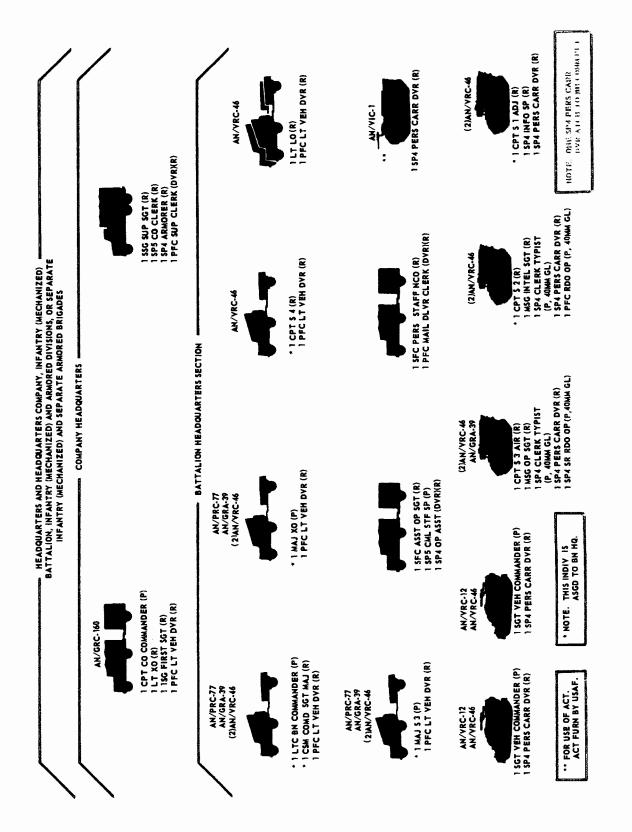
1	Truck Wrecker 5 Ton 6x6 WWN WE
2	Truck Van Shop 2-1/2 Ton 6x6 WE
11	Truck Utility 1/4 Ton 4x4 WE
8	Truck Cargo 5 Ton 6x6 LWB WWN WE
6	Truck Cargo 5 Ton 6x6 LWB WE
T	Truck Cargo 2-1/2 Ton 6x6 WWN WE

WEAPONS COMMAND

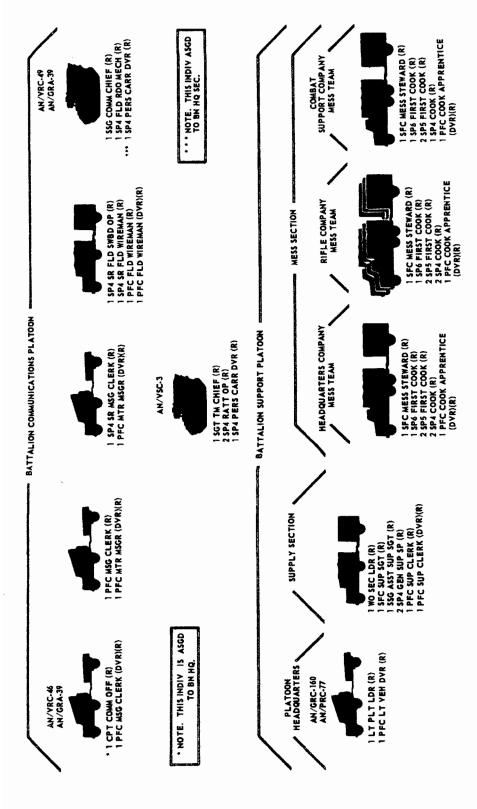
6 22

Machinegun 7. 62MM Light Flexible	4
Cal. 45 Automatic	47
Recovery Vehicle Full Tracked Light Armored .	7
Rifle 7. 62MM	146
Submachinegun Cal. 45	ŝ
MUNITIONS COMMAND	
Detector Kit Chemical Agent VGH	ŝ
Mask Protective Tank	9
Mask CBR Protective Field	177
Mask CBR Protective Tank	10

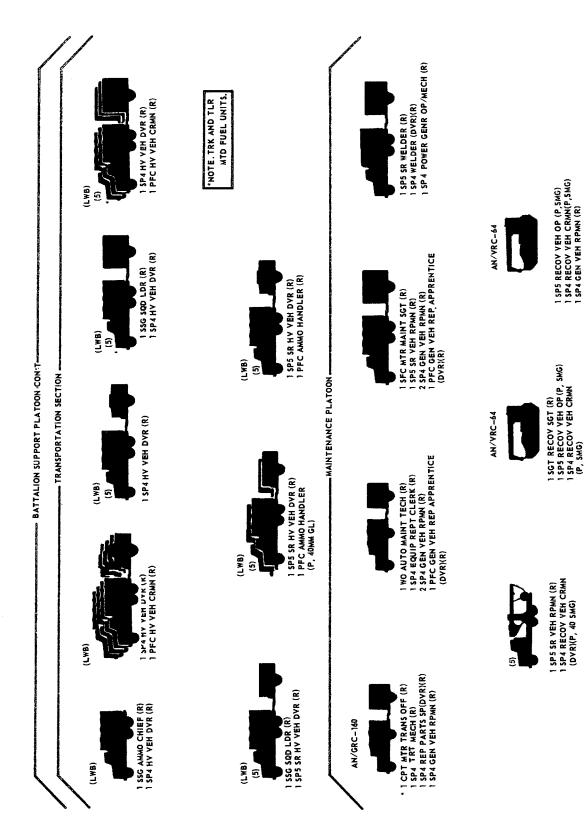
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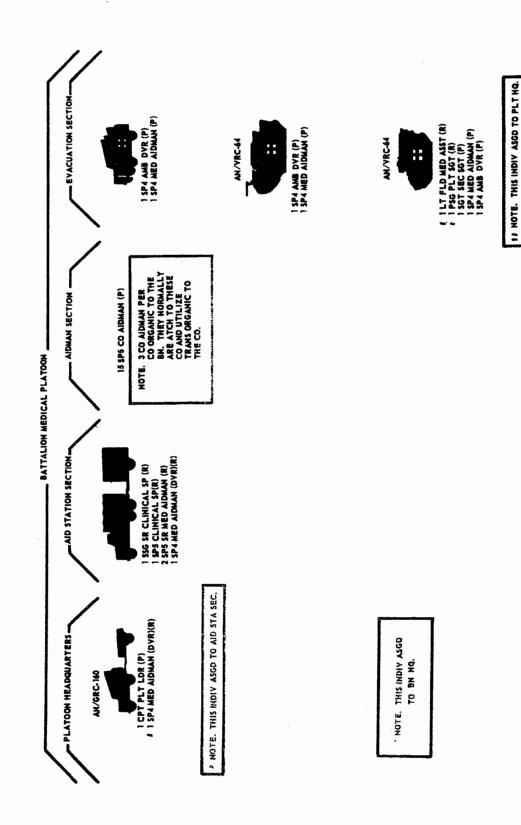
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2-45

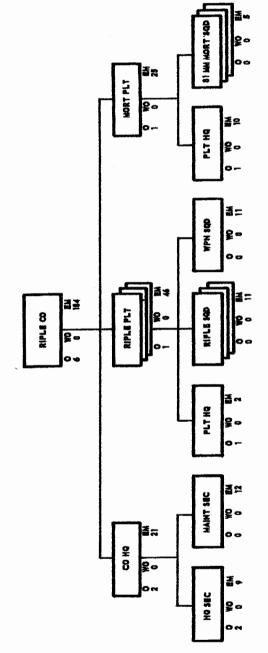








RIFLE COMPANY. INFANTRY (MECHANIZED) BATTALION INFANTRY (MECHANIZED) AND ARMORED DIVISIONS OR SEPARATE INFANTRY (MECHANIZED) AND SEPARATE ARMORED BRIGADES



1. MISSION

2-48

To close with the enemy by means of fire and maneuver in order to destroy or capture him or to repel his assault by fire, close combat, and counterattack.

2. ASSIGNMENT

Organic to Infantry Battalion (Mechanized), Armored Division, Infantry Division (Mechanized), Separate Armored Brigade, or Separate Infantry Erigade (Mechanized), TOE 7-45.

- 3. CAPABILITIES
- This unit has the following capabilities:
- a. Closing with the energy by means of fire and mansuver in order to destroy or capture him.
 - b. Repelling enemy assault by fire, close combat, and counterattack.
 - c. Providing a base of fire and maneuver.
 - d. Seizing and holding terrain.
- Maneuvering in all types of terrain and under all climatic conditions.
 - f. Capitalizing on all forms of mobility.
- 4. MOBILITY
- One hundred percent mobile in organic transportation.

TOE 7-47G dated 12 September 1969

SUMMARY OF EQUIPMENT

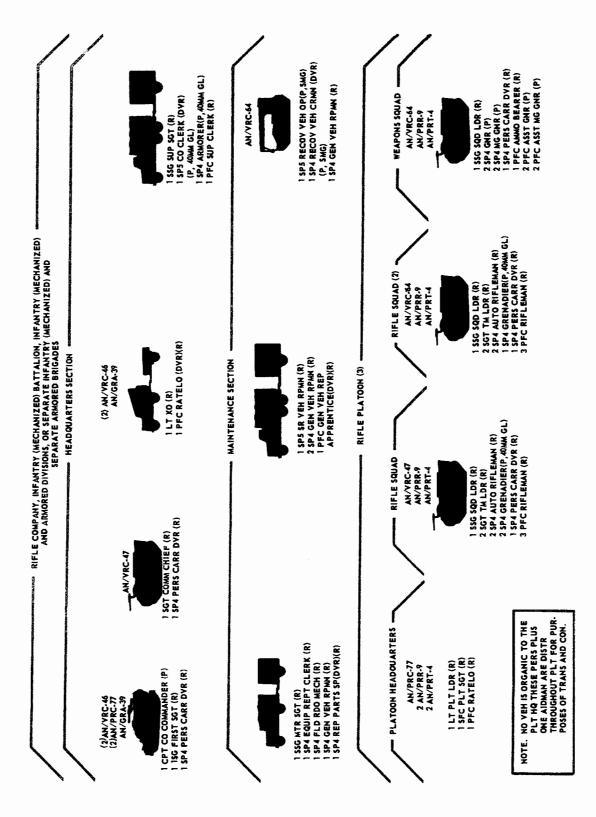
ELECTRONICS COMMAND

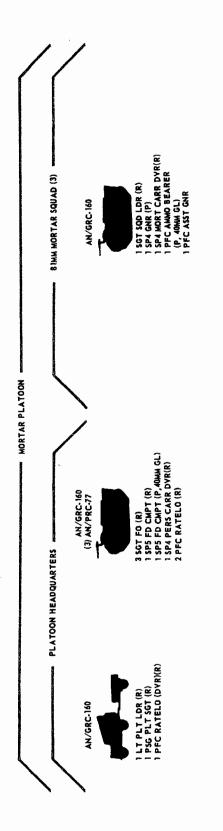
Night Vision Sight Crew Served Weapons	
AN/TVS-2	19
Night Vision Sight Individual Served Weapon	
AN/PVS-2	18
Radiac Set AN/PDR-27	٦
Radiacmeter IM-93/UD	2
Radiacmeter IM-174/PD	9
Radio Set AN/GRC-160	'n
Radio Set AN/PRC-77	æ
Radio Set AN/VRC-46	4
Radio Set AN/VRC-47	4
Radio Set AN/VRC-64	10
Radio Set Control Group AN/GRA-39	~1
Receiver Set Radio AN/PRR-9	18
Switchboard Telephone Manual SB-22/PT	Ч
Switchboard Telephone Manual SB-993/GT	-
Telephone Set TA-1/PT	25
Telephone Set TA-312/PT	4
Transmitter Set Radio AN/PRT-4	18
MOBILITY, AVIATION MATERIAL AND TANK AUTOMOTIVE COMMANDS	
Carrier 81MM Mortar Full Tracked (Less Mortar).	ŝ
Carrier Command and Reconnaissance Armored	Г
Carrier Personnel Full Tracked Armored	14
Trailer Cargo 1/4 Ton 2 Wheel WE	2
Trailer Cargo 3/4 Ton 2 Wheel WE	~
THALLET ORIGO I-1/2 100 2 MIGGI WAS IN 201 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	. –
Truck Cargo 2-1/2 Ton 6x6 WE	-
Truck Cargo 2-1/2 Ton 6x6 WWN WE	-
Truck Utility 1/4 Ton 4x4 WE	2

WEAPONS COMMAND

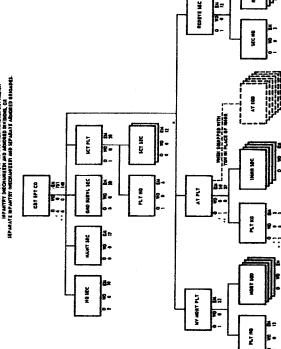
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Launcher Grenade 40MM	42
Machinegun Cal. 50 HB Flexible for Ground Use.	-
Machinegun 7. 62MM Light Flexible	15
Mortar BIMM On Mount	ŝ
Pistol Cal.45 Automatic	57
Recovery Vehicle Full Tracked Light Armored	
Rifle 7. 62MM	116
Rifle 7. 62MM Automatic W/Bipod	18
Rifle Recoilless 90MM	9
Submachinegun Cal. 45	2
MUNITIONS COMMAND	
Demolition Set Explosive Initiating Electric and	
Semielectric	-1
Detector Kit Chemical Agent VGH.	S
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Demolition Set Explosive Initiating Electric and	Semielectric	Detector Kit Chemical Agent VGH	Mask CBR Protective Field	Mask CBR Protective Tank









1. MISSION

2-52

To provide reconnaissance, ground surveillance, indirect fire support, antitank support, and limited air defense support for the Infantry Battalion (Mechanized).

AND ATTA OFFICE STATE -

2. ASSIGNMENT

Organic to Infantry Battalion (Mechanized), Armored Division, Infantry Division (Mecahnized), Separate Armored Brigade, or Separate Infantry Brigade (Mechanized), TOE 7-45.

CAPABILITIES з**.**

- This unit has the following capabilities:
- a. Provide ground radar surveillance and reconnaissance. b. Provide antitank and mortar support.

- Provide limited air defense support.
- Perform organizational maintenance on organic equipment. ġ.
- Maneuver in all types of terrain under all climatic condiе.
 - Capitalize on all forms of mobility. tions. નં
 - Participate in infantry operations. 8
- 4. MOBILITY

For the purpose of tactical movement, this unit is 100 percent mobile in organic vehicles and in aircraft.

TOE 7-48G dated 12 September 1969

SUMMARY OF EQUIPMENT

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TOW

106RR WEAPONS COMMAND

Machinegun Cal. 50 HB Flexible for		
Ground Use	1	-1
Mortar 4.2 Inch on Mount	4	4
Pistol Cal. 45 Automatic	49	45
Recovery Vehicle FullTracked Light		
Armored	1	1
Rifle 7.62MM	108	109
Rifle Recoilless 106MM on Mount	00	0
Submachinegun Cal. 45	2	2
MUNITIONS COMMAND	QN	
Collective Protection Equipment		
CBR Expansible Van Truck.	1	1
Electric and Semielectric	2	7
Detector Kit Chemical Agent VGH.	4	4
Mask Protective Tank	2	0
Mask CBR Protective Field	144	135
Maak CBR Protective Tank	11	0

UNAMMOD TREAM

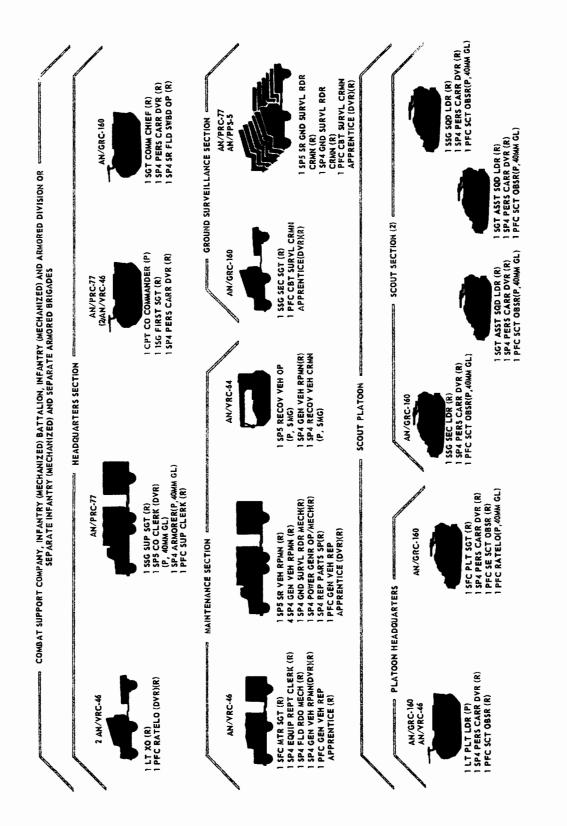
	10		0
MIRNIMOO ALLEN	Carrier Handling Case REDEYE	Guided Missile System Surface Attack	Carrier Mounted (TOW)

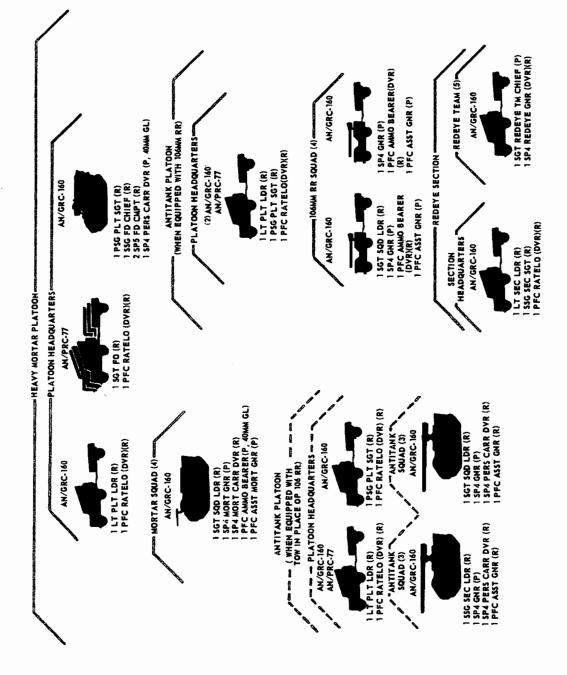
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2-53





I AM THE INFANTRY

I am the Infantry— Queen of Battle! For two centuries I have kept our Nation safe, purchasing freedom with my blood. To tyrants, I am the day of reckoning; to the suppressed, the hope for the future. Where the fighting is thick, there am $1 \dots I$ am the Infantry! <u>FOLLOW ME</u>!

I was there from the beginning, meeting the enemy face to face, will to will. My bleeding feet stained the snow at Valley Forge; my frozen hands pulled Washington across the Delaware. At Yorktown, the sunlight glinted from the sword and I, begrimed and battered... saw a Nation born.

Hardship . . . and glory I have known. At New Orleans, I fought beyond the hostile hour, showed the fury of my long rifle . . . and came of age. I am the Infantry !

Westward I pushed with wagon trains . . . moved an empire across the plains . . . extended freedom's borders and tamed the wild frontier. I am the Infantry $! \underline{FOLLOW} \ \underline{ME} !$

I was with Scott at Vera Cruz . . , hunted the guerrilla in the mountain passes . . . and scaled the high plateau. The fighting was done when I ended my march many miles from the old Alamo.

From Bull Run to Appomattox, I fought and bled. Both Blue and Grey were my colors then. Two masters I served and united them strong . . . proved that this nation could right a wrong . . . and long endure. I am the Infantry! FOLLOW ME!

I led the charge up San Juan Hill . . . scaled the walls of old Tientsin . . . and stalked the Moro in the steaming jungle still . . . always the vanguard. I am the Infantry!

At Chateau-Thierry, first over the top, then I stood like a rock on the Marne. It was I who cracked the Hindenburg Line . . . in the Argonne, I broke the Kaiser's spine . . . and didn't come back till it was "over, over there." I am the Infantry! FOLLOW ME!

A generation older at Bataan, I briefly bowed, but then I vowed to return. Assaulted the African shore . . . learned my lesson the hard way in the desert sands . . . pressed my buttons into the beach at Anzio . . . and bounced into Rome with determination and resolve. I am the Infantry!

The English channel, stout beach defenses and the hedgerows could not hold me... I broke out at St Lo, unbent the Bulge... vaulted the Rhine ... and swarmed the Heartland. Hitler's dream and the Third Reich were dead.

In the Pacific, from island to island I hopped . . . hit the beaches and chopped through swamp and jungle . . . I set the Rising Sun. 1 am the Infantry!

In Korea, I gathered my strength around Pusan . . , swept across the frozen Han . . , outflanked the Reds at Inchon . . , and marched to the Yalu. FOLLOW ME!

Around the world, I stand . . . ever forward. Over Lebanon's sands, my rifle steady aimed . . . and calm returned. At Berlin's gate, I scorned the Wall of Shame. I am the Infantry !

My bayonet... on the wings of power... keeps the peace worldwide. And despots, falsely garbed in freedom's mantle, falter... hide. My ally in the paddies and the forest... I teach, I aid, I lead. FOLLOW ME!

Where brave men fight . . . there fight I. In freedom's cause . . . I live, I die. From Concord Bridge to Heartbreak Ridge, from the Arctic to the Mekong . . . the Queen of Battle!

Always ready . . . then, now and forever. I am the Infantry! FOLLOW ME!