

CHAPTER 28

ORDNANCE AND ORDNANCE OUTFIT
(PLATE V)

TABLE 28-1

BATTERY - A. A. GUNS

28-1

GUN NO.	CALI-BER	LOCATION			FROM C/L OF SHIP	HEIGHT ABOVE D.W.L.	ACTUAL ELEVATION	ACTUAL DEPRESSION	TRAIN
		DECK	FRAME	SIDE					
1	20 MM	Plat. on Super-structure Deck	Fr. #7	Stbd.	9'-04"	23'-4-1/4"	90°	10°	360°
2	20 MM	Plat. on Super-structure Deck	Fr. #7	Port	9'-04"	23'-4-1/4"	90°	10°	360°
3	20 MM	Super-structure Deck	Fr. #15	Stbd.	12'-01"	16'-5-3/4"	90°	13°	360°
4	20 MM	Super-structure Deck	Fr. #17	Port	11'-08"	16'-3-1/2"	90°	13°	360°
5	20 MM	Super-structure Deck	Fr. #28	Stbd.	10'-10-1/2"	15'-3-3/4"	90°	13°	360°
6	20 MM	Super-structure Deck	Fr. #28	Port	10'-10-1/2"	15'-3-3/4"	90°	13°	360°

The above are designed dimensions. Also see PLATE V for further details for Ordnance and Ordnance Outfit Layout.

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28-2 AMMUNITION STOWAGE:-

There are two magazines for stowing the vessels allowance of ammunition as listed in the vessel's approved Bureau of Ordnance Allowance List.

The forward magazine, A-209M, is located in the Hold, amidships between frames 13 and 14.

The after magazine, C-202M, is located in the Hold, amidships, immediately forward of watertight bulkhead at frame 27.

A ready service stowage locker accommodating approximately 480 rounds of ammunition is provided immediately adjacent to each 20 M/M A.A. gun.

A pyrotechnic locker is located on the starboard side, Superstructure Deck, at frame 24.

28-3 AMMUNITION HANDLING:-

Ammunition is conveyed to and from the magazines through four Quick Acting W.T. Passing Hatches. These hatches are located in the Superstructure Deck at frame 13 port and starboard, and frame 26 port and starboard, lead to the magazines in the Hold, through open hatchways in the Main Deck which are located in a vertical line with these hatches.

Ammunition is lowered by means of a portable davit and hand whip hoist which is provided at each of the above mentioned hatches.

Davits are designed for a 500 pound working load and are interchangeable in the sockets. Provision is made for locking the davit in either working or stowed position. The tackle consists of an 8 inch wrought iron gin block and a 45 foot, 2-1/4 inch circ. rope hand whip.

Davit to be stowed parallel to centerline of ship with tackle secured to deck staple.

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28-3 AMMUNITION HANDLING:-

For'd. Magazine Handling:-

Ammunition removed from stowage, compartment A-209M, and clipped at loading benches (2) located outboard, port and starboard, in compartment A-208L.

Magazines are stowed in racks adjacent to port and starboard benches. Loaded magazines are passed to Superstructure Deck by hand and thence to guns.

Aft Magazine Handling:-

Ammunition removed from stowage, compartment C-202M, and clipped at loading bench (1) located in compartment C-201EL, port.

Magazines stowed in adjacent racks port and starboard. Loaded magazines passed to Superstructure Deck by hand and thence to guns.

See PLATE V for further information in connection with Ammunition Handling and Routing.

Small arms ammunition, .45, .30 and .22 Cal., is stowed in magazines A-209M and C-202M.

Pistol locker is located in Hold, fr. 16 (S), compartment A-210L.

Rifle rack is located in Hold, fr. 14-1/2 (S), compartment A-210L.

Ordnance storeroom, C-101AT, is located on the Main Deck, frs. 27-29 starboard.

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TABLE 28-2

28-4 ORDNANCE EQUIPMENT LIST:-

(a) 20 MM Anti-Aircraft Battery

TITLE	MK.	MOD.	NUMBER PROVIDED
<u>20 MM A.A. Gun and Mount</u> <u>Consisting of:</u>			6
Gun Barrel	4	1	6
Machine gun mechanism	4	-	6
Hand grips and shoulder rest	5	-	6
Mount; or	10	-	
Mount	10	1	
Cradle	5	-	6
Carriage	7	-	6
Stand; or	7	-	6
Stand	7	1	
Sight;	4	1	6
Sight	5	-	
Gun sight	14	2,6, or 8	6
Magazines	4		120

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TABLE 28-3

28-4 (b) Fire Control Equipment

TITLE	MK.	MOD.	NUMBER PROVIDED
Gun sight, complete	14	2,6, or 8	6*
Gun sight, complete, spares	14	2,6, or 8	2
A.A. Range Indicator, portable	1	-	9
Stop watches	-	-	6

TABLE 28-4

(c) Small Arms and Security Equipment

Rifles, cal. 30, M1903A3			2
Pistols, cal. 45, Colt Automatic M1911A1			4
Submachine guns, cal. 45, Thompson M1			2
Rifles, cal. 22, gallery target, M2			2
Pistols, cal. 22, high standard			2
Infantry equipment			5
Steel helmets			57

* Included in TABLE 28-2; mounted on guns

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TABLE 28-5

28-4 (d) Pyrotechnics(1) Emergency Identification Equipment

TITLE	MK.	MOD.	NUMBER PROVIDED
Signal projectors	1	-	1
Spare parts for signal projector	-	-	1 set
Smoke signals, red, green, yellow, black	3	-	3 each
Star signals, red, white, green	1	-	4 each
Chamelon signals, RGW, GWR, WRG	4	-	4 each
Shower signals, red, green, white	2	-	4 each

TABLE 28-6

(2) Night Signaling Equipment

Service box, containing:	-	-	1
Very's signal pistols	5	-	2
Very's pistol holsters	5	-	2
Very's cartridge belts	1	-	1
Very's cartridges, 50 ea. red, white, green	2	-	150
Reserve box, containing:	-	-	1
Lights, hand, blue	-	-	15
Very's signal pistol	5	-	1

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TABLE 28-6 (cont'd.)

28-4 (a) Pyrotechnics
(2) (cont'd.)

TITLE	MK.	MOD.	NUMBER PROVIDED
Very's cartridges, 50 each, red, white, green	2	-	150
Very's pistol spare parts	-	-	1 set

TABLE 28-7

(3) Distress Signaling Equipment

<u>Abandon ship signaling kit</u>	-	-	5
One kit secured in each life raft and consists of the following:			
Stowage can, steel			1
Container, plastic			1
Hand projector	3 or 4		1
Very's signal cartridges, red, green, white			12

TABLE 28-8

(e) Miscellaneous Equipment

Cal. 45 line throwing gun & equipment	-	-	1
Miscellaneous supplies, title "C"			1 set
Miscellaneous tools & accessories			1 set

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TABLE 28-9

28-4 (f) Spare Parts, Tools and Accessories

TITLE	MK.	MOD.	NUMBER PROVIDED
Gun, Marks 2 or 4; spare parts, tools and accessories	2 or 4	-	6
Mount; spare parts and tools	10	-	6
Magazines	4	-	56
Gun, Marks 2 or 4; misc. spare parts, tools and accessories	2 or 4	-	1
Gun mechanism, spare mechanism with spare parts and equipment	-	-	1
Gun barrels	4	1	12
Spare parts for gun sight in carrying case	14	2	8

TABLE 28-10

(g) Ammunition

(1) 20 MM A.A. Battery

TITLE	MK.	MOD.	NO. REQUIRED	NO. PER BOX	NO. OF BOXES
<u>Service:</u> 20 MM cartridges in boxes	3	1	36,000*	180	200
20 MM cartridges, B.L. & P. in boxes	3	1	180*	180	1
<u>Mobilization Supply:</u> 20 MM cartridges in boxes	3	1	9,000*	180	50

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Drill: 20 MM in bo
Service Cal 45
Cal. 30
Cal. 45 (for
Mobiliza Cal. 45
Cal. 30
Target: Cal. 30 M1906
Cal. 28

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TABLE 28-10 (cont'd.)

28-4 (g) Ammunition
(1) (cont'd.)

TITLE	MK.	MOD.	NO. REQUIRED	NO. PER BOX	NO. OF BOXES
<u>Drill:</u> 20 MM cartridges, dummy, in boxes #	3	1	180*	180	1

TABLE 28-11

(2) Ammunition for Small Arms

<u>Service:</u> Cal 45 cartridges, ball	-	-	3,600*	1,800	2
Cal. 30 cartridges, ball	-	-	1,500*	1,500	1
Cal. 45 cartridges, blank (for line throwing guns)	-	-	50*	--	--
<u>Mobilization Supply:</u> Cal. 45 cartridges, ball	-	-	3,600*	1,800	2
Cal. 30 cartridges, ball	-	-	6,000*	1,500	4
<u>Target:</u> Cal. 30 cartridges, dummy, M1906	-	-	100*		
Cal. 22 cartridges, ball	-	-	20,000*	20/ ctn 10,000	2

* These are not allowance list amounts. Ships should obtain ammunition in accordance with current ammunition allowance lists which may indicate variations from these amounts. In no case, should the authorized ship's capacity, as set up by the Chief of Naval Operations, be exceeded without reference to that office.

Inert material; not to be stowed in magazines.

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