

No. 5981

COMPLETE ROUND CHARTS



AMMUNITION (FIXED) FOR 20-MM GUN, M1, AN-M2 & BR HS/A/.

20-MM

NOTES	Designation of Gun	Cartridge Drg. No.	PROJECTILE											FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER		PACKING				Assembly No.
			Kind	Type	Designation	Drg. No.	Wt. loaded and fused Gr.	Charge			Material	Forging or Casting		Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight Gr.	Kind	Designation	Drg. No.	Cartridge				
								Wt. Gr.	Kind	Drg. No.		Type	Drg. No.										Carton Drg. No.	Box Drg. No.	Packing and Marking Drg. No.	Shipped	
S	All	75-1-124	Shell	HE-I	Mk I *	75-2-300	2000	175.2	---	75-14-302	Steel	Bar	Stock	*** No. 253	Perc	73-1-186	M21	71-2-119	480	IMRP	M37	74-2-58	76-8-73	76-1-661	20-4-261	Fused	1
S	All	75-1-125	Proj.	Ball	**	75-2-299	1935	---	---	-----	Steel	Bar	Stock	-----	---	-----	M21	71-2-119	490	IMRP	M37	74-2-58	76-8-73	76-1-661	20-4-261	Complete	2
S	All	75-1-131	Shot	AP-T	M75	75-2-308	2569	42.	Tracer	75-14-316	Steel	Bar	Stock	-----	---	-----	M21	71-2-119	465	IMRP	M37	74-2-58	76-8-73	76-1-661	20-4-261	Complete	3
S & M	All	75-1-124	Shell	HE-I	Mk I *	75-2-300	2022	175.2	---	75-14-302	Steel	Bar	Stock	No. 253	Perc	73-1-186	M21A1 #	71-2-119	490	IMRP	M36A1	74-2-57	76-8-73	76-1-661	20-4-261	Fused	4
S & M	All	75-1-125	Proj.	Ball	**	75-2-299	2000	-----	---	-----	Steel	Bar	Stock	-----	---	-----	M21 A1 #	71-2-119	490	IMRP	M36A1	74-2-57	76-8-73	76-1-661	20-4-261	Complete	5
S & M	All	75-1-131	Shot	AP-T	M75	75-2-308	2548	42.	Tracer	75-14-316	Steel	Bar	Stock	-----	---	-----	M21A1 #	71-2-119	465	IMRP	M36A1	74-2-57	76-8-73	76-1-661	20-4-261	Complete	6
																											7
																											8
																											9
																											10
																											11
																											12
S & M	All	72-3-85	Drill	CTG	M18A1	72-3-86	3990 ‡	---	---	-----	Steel	Bar	Stock	---	---	-----	---	-----	---	---	---	-----	76-8-73	76-1-661	20-4-261	Complete	13
																											14
																											15

S - Issue
 M - Manufacture
 HE-I - High Explosive Incendiary
 Perc - Percussion
 IMRP - Improved Military Rifle Powder
 AP-T - Armor Piercing Tracer
 Gr - Grains

* - Shell, HE-I Mark I 20 mm Hispano Gun /A/.
 ** - Projectile, Ball, 20 mm Hispano Gun /A/.
 *** - Fuze, Percussion, D.A. No. 253 Mark I /A/.
 # - Fuze, Percussion, D.A. No. 253 Mark III /A/. Mark I and Mark II modifications have been issued.
 # - Cartridge Case M21A1B1, Drg. No. 71-2-132, substitute standard, for air training and ground use only.
 # - Total Weight of Cartridge Drill M18A1.

Issued - December 2, 1940

Revised - October 16, 1944

AMMUNITION (FIXED) FOR 37-MM GUN, MODEL 1916

37-MM

NOTES	Mark or Model of Gun	Complete Round Drg. No.	PROJECTILE											FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER*			PACKING				Assembly No.																																																																																																																																																																																																																																																																																																																																																																																												
			Kind	Type	Design- ation	Drg. No.	Weight loaded and fuzed	Charge			Material	Forging or Casting		Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nominal Weight	Kind	Size	Design- ation	Drg. No.	Fuze		Primer			Round																																																																																																																																																																																																																																																																																																																																																																																											
								Wt.	Kind	Drg. No.		Type	Drg. No.											Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	D

S - Issue
M - Manufacture
FNE - Flashless, nonhygroscopic
powder
H.E.- High explosive
B.D.- Base Detonating
Prac.-Practice

* - Some rounds on hand have 20-grain primer, Mk. II, Drawing 74-2-22, inserted in
cartridge case.
- Cartridge case MK. IA1 to be issued until supply is exhausted.
** - Use components on hand. No manufacture necessary.

Issued - August 15, 1924
Revised - August 9, 1941

AMMUNITION (FIXED) FOR 37-MM AUTOMATIC GUN M1A2 & AN-M9

37-MM

NOTES	Desig- nation of Gun	Complete Round Drg. No.	PROJECTILE											FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				Assembly No.
			Kind	Type	Design- nation	Drg. No.	Weight loaded and fuzed Lb.	Charge			Mater- ial	Forging or Casting		Design- nation	Type	Drg. No.	Design- nation	Drg. No.	Nominal Weight Lb.	Kind	Size	Design- nation ***	Drg.No.	Primer Drg. No.	Rounds			
								Wt. Lb.	Kind	Drg. No.		Type	Drg. No.												Fiber Container Drg. No.	Packing & Marking Drg. No.	Shipped	
* S & M	All	75-1-71	Shell	HE-T	M54	75-2-279	1.34	.10	Tetryl	75-14-225	Steel	Bar	Stock	M56	P.D.	73-2-158	M17 **	71-2-100	.38	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Fuzed	1
* S & M	M1A2	75-1-117	Shot	APC-T	M59	72-2-289	1.91	.01	Tracer	75-14-279	Steel	Bar	Stock	---	---	---	M17 **	71-2-100	.31	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Complete	2
* S	M1A2	75-1-138	Shot	AP-T	M74	75-2-306	1.92	.01	Tracer	75-14-312	Steel	Bar	Stock	---	---	---	M17 **	71-2-100	.31	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Complete	3
* S & M	AN-M9	75-1-117	Shot	APC-T	M50	75-2-289	1.91	.01	Tracer	75-14-279	Steel	Bar	Stock	---	---	---	M17	71-2-100	.52	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Complete	4
* S & M	AN-M9		Shot	AP-T	M80	75-2-310	1.66	.01	Tracer	75-14-326	Steel	Bar	Stock	---	---	---	M17	71-2-100	.56	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Complete	5
																												6
																												7
																												8
																												9
																												10
* S & M	All	75-1-72	Shell	Prac-T	M55A1	75-2-278	1.34	Empty	---	75-14-224	Steel	Bar	Stock	M50	Dummy	72-5-4	M17	71-2-100	.38	FNH	55 gr	M38A1	74-2-63	76-8-93	76-1-602	20-4-234	Complete	11
S & M	All	72-3-92	ctg	Drill	M21	---	2.67	---	---	---	Steel	---	---	M50	Dummy	72-5-4	M17B1	71-2-100	---	---	---	---	---	---	76-1-602	20-4-234	Complete	12
																												13
																												14
																												15

S - Issue
M - Manufacture
FNH - Flashless, nonhygroscopic powder
HE-T - High explosive-tracer
APC-T - Armor piercing cap-tracer
P.D. - Point Detonating
gr - Grains
Prac. - Practice
ctg - cartridge

* - Projectiles have built-in tracer.
** - Cartridge Case M17B1, substitute standard, Drg. 71-2-100 for ground training only.
*** - Some Primers designated M23A1, and M23A2 are on hand.
@ - Total weight of Cartridge Drill M21.

Issued - January 1, 1940.
Revised - October 16, 1944.

NOTES	Mark or Model of Gun	Com- plete Round Drg. No.	PROJECTILE											FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER				PACKING				Assembly No.																																																																																																																																																																																																																																																																																																																																																																																															
			Kind	Type	Design- ation	Drg. No.	Weight loaded and fuzed	Charge			Material	Forging or Casting		Design- ation	Type	Drg. No.	Design- ation #	Drg. No.	Nominal weight	Kind	Size	Design- ation **	Drg. No.	Fuze		Primer		Round																																																																																																																																																																																																																																																																																																																																																																																																
								Wt.	Kind	Drg. No.		Type	Drg. No.											Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.</

S - Issue
 M - Manufacture
 FNH - Flashless, nonhygroscopic powder
 B.D. - Base Detonating
 A.P.C. - Armor Piercing Cap
 H.E. - High Explosive
 T.P. - Target Practice

* - Approximately 50,000 rounds of unheattreated shot in accordance with Drawing 75-1-73 have been manufactured for target practice purposes. Future requirements will be met by supplying the standard A.P. round in accordance with Drawing 75-1-70.
 @ - Projectile has built-in tracer.
 % - Use components on hand.
 § - Forging, Type "A" (Upsetter) Drg. 75-20-90.
 # - Forging, Type "B" (Drop Forging) Drg. 75-20-91.
 ** - Some Primers designated M23A1 are on hand.
 " - Shot, A.P., M51B2, Drg. 75-2-293.
 # - Cartridge Case M16B1, substitute standard.

Issued - January 1, 1940

Revised - April 1, 1942

37-MM

S - Issue
M - Manufacture
FNH - Flashless, nonhygroscopic powder
H.E. - High explosive
P.D. - Point detonating
A.P. - Armor Piercing

Issued - January 1, 1940.

SHEET NO. 4

AMMUNITION (FIXED) FOR 40-MM GUN, M1

40-MM

NOTES	Model of Gun	Cartridge	PROJECTILE										FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER		PACKING				Assembly No.		
		Drg.No.	Kind	Type	Designation	Drg. No.	Weight Loaded and Fuzed Lb.	Charge			Material	Forging or Casting		Designation	Type	Drg.No.	Designation	Drg.No.	Nominal Weight Oz.	Kind	Designation	Drg.No.	Primer Drg.No.	Cartridge				
							Wt. Lb.	Kind	Drg. No.	Type		Drg.No.	Fiber Container Drg. No.											Packing & Marking Drg. No.	Shipped			
S	M1	75-1-123	Shell	HE-T	Mk. II *	75-2-298	1.96	.005 .150	BPP TNT	**	75-14-300	Steel	Bar	Stock	*** No.251	Perc.	73-1-180	M22	71-2-118	10.4	FNH	Mk. II ****	74-2-54		76-1-603	20-4-399	Fuzed	1
S	M1	75-1-123	Shell	HE-T	Mk. II *	75-2-298	1.96	.005 .150	BPP TNT	**	75-14-300	Steel	Bar	Stock	*** No.251	Perc.	73-1-180	M22A1	71-2-118	10.4	FNH	M23A2	74-2-63	76-8-55	76-1-603	20-4-399	Fuzed	2
S	M1	75-1-139	Shell	HE-T	Mk. II *	75-2-298	1.923	.005 .150	BPP TNT	**	75-14-300	Steel	Bar	Stock	Mk 27 # P.D.	(Navy) 300423	M25#	71-2-122	10.4	FNH	M38A1 \$	74-2-63	76-8-93	76-1-603	20-4-399	Fuzed	3	
S & M	M1	75-1-140	Shot	AP-T	M81A1	75-2-311	1.96	.01	Tracer		75-14-333	Steel	Bar	Stock	---	---	---	M25#	71-2-122	10.4	FNH	M38A1 \$	74-2-63	76-8-93	76-1-603	20-4-399	Complete	4
S & M	M1	75-1-166	Shell	HE-T	Mk. II "	75-2-298	1.985		TNT		(Navy) 394620	Steel	Bar	Stock	Mk 27 @ P.D.	(Navy) 300423	M25#	71-2-122	11.49	FNH	M38A1	74-2-63	76-8-93	76-1-603	20-4-399	Fuzed	5	
																												6
																												7
																												8
																												9
																												10
S & M	M1	75-1-170	Shell	Prac-T	Mk. II	75-2-298	1.988	.13	Inert.		75-14-424	Steel	Bar	Stock	M69 "" Dummy		72-5-9	M25#	71-2-122	11.49	FNH	M38A1	74-2-63	76-8-93	76-1-603	20-4-399	Complete	11
S & M	M1	75-1-173	Shell	Prac-T	M91	75-2-329	1.96	.01	Tracer		75-14-433	Steel	Bar	Stock	M69 "" Dummy		72-5-9	M25 #	71-2-122	11.49	FNH	M38A1	74-2-63	76-8-93	76-1-603	20-4-399	Complete	12
S & M	M1	72-3-84	Cart- ridges	Drill	M17	72-3-91	4.53	%	---	---	---	Malle- able Iron	Cast	72-3-91	---	Nose	72-3-91	---	---	---	---	---	---	76-1-603	---	Complete	13	
																												14
																												15

S - Issue
M - Manufacture
HE-T - High Explosive - Tracer
Perc. - Percussion
TNT - Trinitrotoluene
FNH - Flashless, Nonhygroscopic Powder
BPP - Black Powder Pellet
AP-T - Armor Piercing - Tracer
Prac-T - Practice - Tracer

* - Shell, Q.F., H.E. 40 mm Mk II 7/L/ Assembled with Tracer and Igniter, Shell, No. 12 Mk. I /L/ Internal. See Drg. 75-17-5.
** - Black Powder Pellet. See Drg. 75-1-123.
*** - Fuze, Percussion, D.A., No. 251 Mk. I /L/.
**** - Primer, Percussion, Q.F. Cartridges No. 12 Mk. II/L/.
\$ - Some Cartridges assembled with Primer, Percussion M23A2.
- Cartridge Case M25E1, Alternate. Drg. 71-2-130.
@ - Some cartridges assembled with Fuze P.D. M64A1. Drg. No. 73-2-172.
" - Fuze, P.D. M71 alternate standard. Drg. No. 73-2-201.
" - Assembled with (Navy) Tracer Mk 11, Drg. 394440 or Mk 11 Mod. 2, Drg. 423429.
- Some cartridges also assembled with Tracer M3, Drg. No. 75-17-7
"" - Alternative Fuzes (inert): Fuze, P.D. Mk 27 (Navy) or Fuze, P.D. M71.
% - Total Weight of Cartridge Drill, M17.

Issued - August 9, 1941.

Revised - October 16, 1944.

SHEET NO. 4-A

AMMUNITION (FIXED) FOR 57-MM GUN M1 & 6 PR. 7 CWT.

57-MM

NOTES	Mark or Model of Gun	Cart- ridge Drg. No.	PROJECTILE										FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				Assembly No.		
			Kind	Type	Design- ation	Drg. No.	Wt. loaded and fuzed Lb.	Charge			Mate- rial	Forging		Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nomi- nal Weight Lb.	Kind	Type	Design- ation **	Drg.No.	Primer Drg. No.	Cartridge				
								Wt. Lb.	Kind	Drg. No.		Type	Drg. No.												Fiber Container Drg. No.	Packing and Marking Drg. No.		Shipped	
S & M	All	75-1-130	Shot	AP-T	M70	75-2-301	6.28	.01	Tracer	75-14-289	Steel			---	---	---	M23A2	71-2-120	2.25	FNH	Perc.	M1B1A2*	74-2-63	76-8-29	76-1-602	20-4-364	Complete	1	
S #	All	75-1-153	Proj.	APC-T	M86	75-2-320	6.71	.01	Tracer	75-14-377	Steel			---	---	---	M23A2	71-2-120	2.25	FNH	Perc.	M1B1A2	74-2-63		76-1-602	20-4-364	Complete	2	
S & M	All	75-1-153	Proj.	APC-T	M86	75-2-320	7.27	.076	"D"	75-14-408	Steel			M72	B.D.	73-2-197	M23A2	71-2-120	2.43	FNH	Perc.	M1B1A2	74-2-63	76-8-29	76-1-602	20-4-364	Fuzed	3	
																												4	
																												5	
																												6	
																												7	
																												8	
S & M	All	72-3-96	ctg	Drill	M24 [§]	72-3-97	13.73 [‡]	---	---	---	Bronze			---	---	---	---	---	---	---	---	---	---	---	---	76-1-602	20-4-364	Complete	9
S & M	All	72-3-93	ctg	Drill	M22	72-3-93	12.56	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	76-1-602	20-4-364	Complete	10
																												11	
																												12	
																												13	
																												14	
																												15	

S - Issue
M - Manufacture
AP-T - Armor Piercing - Tracer
FNH - Flashless, nonhygroscopic powder
Perc. - Percussion
APC-T - Armor Piercing Cap-Tracer
ctg - Cartridge

* - Some cartridges on hand assembled with Primer Percussion, Q.F. Cartridges, No. 15 Mk II /L/. Drg. No. 74-2-52.
** - Alternative Primer, Percussion, M1A2 and M132. Drg. No. 74-2-43.
- See original Drg. 75-1-153, dated August 20, 1943, for cartridge without B.D. Fuze.
‡ - Total weight of Cartridge Drill, M24.
§ - Alternative material malleable iron, M24B1.

Issued - August 9, 1941.
Revised - October 16, 1944.

NOTES	Designa- tion of Mortar	Complete Round Drg. No.	PROJECTILE											FUZE			PROPELLING CHARGE	PRIMER		IGNITION CARTRIDGE			PACKING ***			Assembly No.		
			Kind	Type	Designa- tion	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Designa- tion	Type	Drg. No.	Nominal Weight	Designa- tion	Drg. No.	Charge Wt. Grains	Designa- tion	Drg. No.	Boxes	Fiber Container	Drg. No.		Drg. No.	Shipped
								Wt.	Kind	Drg. No.		Type	Drg. No.										Fuze	Round				
@ S & M	All	75-1-82	Shell	H.E.	M49A2	75-2-288	Lb. 2.90	Lb. .34	TNT	75-14-257	Steel	% Forg	75-20-85	M52	P.D.	73-1-161	Grains 140 **	M32	74-2-49	47.	M5A1	75-19-78	76-7-676	76-1-296	Fuzed	1		
S & M	All	75-1-143	Shell	Illuminating	M83	75-2-316	3.70			75-14-350	Steel	---	-----	M65	Time	73-3-163	112 *	M32	74-2-49	47.	M5A1	75-19-78	76-7-675	76-1-438	Fuzed	2		
@ S & M	All	75-1-83	Shell	Prac.	M50A2	75-2-288	2.90	.29 .05	Inert B.P.P.	75-14-238	Steel	% Forg	75-20-85	M52	P.D.	73-1-161	140 **	M32	74-2-49	47.	M5A1	75-19-78	76-7-676	76-1-296	Fuzed	A		
# S & M	All	-----	Shell	Training	M69	75-2-303	4.43 #	---	---	-----	Cast Iron	Casting	-----	---	----	-----	---	----	47.	M4	75-19-77	76-7-669	-----	----		B		

P.D. - Point detonating
H.E. - High explosive
TNT - Trinitrotoluene
B.P.P. - Black Powder Pellet

* - Full charge = 4 increments of sheet powder; weight of one increment = 28 grains. Increment, Propellant, M4, Drg. 71-12-18
** - Full charge = 4 increments of sheet powder; weight of one increment = 35 grains. Increment, Propellant, M3, Drg. 71-12-17
*** - For Bundle Accessories see Drg. 76-1-299.
% - See Drg. 75-2-288 for other methods of manufacture and Drg. 75-20-83 for casting.
\$ - 6-Rounds per Container, for individual container see Drg. 76-1-293.
@ - Some ammunition is on hand assembled with ignition cartridge M4, Drg. 75-19-77.
- Assembled with Fin Assembly as shown on Drg. 75-2-285 Revised August 16, 1940.
- Weight includes the Shell, Training M69, Fin Assembly and Ignition Cartridge M4.

Issued - January 1, 1940.

Revised- 1 August 1943

AMMUNITION (FIXED) FOR 2.95-INCH MOUNTAIN GUN

2.95-INCH

NOTES	Mark or Model of Gun	Com- plete Round Drg. No.	PROJECTILE											ADAPTER and BOOSTER		FUSE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER ϕ			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																									
			Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fuzed	Charge			Mate- rial	Forging or Casting														Mk. No.	Drg. No.	Mk. or Mod.	Type	Drg. No.		Mk. or Type	Drg. No.	Nomi- nal Weight	Kind	Size	\$ Desig- nation	Drg. No.	Fuze	Booster	Primer	Round																																																																																																																																																																																																																																																																																																																																																																														
								Wt.	Kind	Drg. No.		Type	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.														Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.

S - Issue
P.D. - Point detonating
S.C. - Subcaliber
FNH - Flashless, nonhygroscopic powder
H.E. - High explosive

* Some shell on hand are loaded with 50/50 amatol.
Available for issue until present supply is exhausted.
Some rounds on hand have 110-grain percussion primer,
Drawing 74-2-3, inserted in cartridge case.
\$ 100-gr. Primer M1, M1A1, M1B1 or M1B1A1 may be used.
** Mk. IV P.D. Fuze, Drawing 73-1-81 or M47 P.D. Fuze,
Drawing 73-2-157 may be used where delay action is
required.

Issued - September 4, 1924.
Revised - January 1, 1940.

NOTES	Designation of Howitzer	Complete Round Drg. No.	PROJECTILE										BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE*		PRIMER			PACKING						Assembly No.	
			Kind	Type	Designation	Drg. No.	Wt. loaded and fuzed	Charge		Material	Forging or Casting		Designation	Drg. No.	Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight	Kind	Size	Designation "	Drg. No.	Fuze	Boxes		Fiber Containers		Bundle & Accessories		
								Wt.	Kind		Drg. No.	Type													Drg. No.	Drg. No.	Booster or Burster	Primer	Round			
																																Drg. No.
						Lb.	Lb.											Lb.														
**S	All	75-1-61	Shell	H.E.	M1A1	75-2-258	13.76	1.11	TNT	75-14-151	Steel	Forg	75-20-70	M20	73-2-112	M48	P.D.	73-2-140	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	76-7-623	76-8-29	76-1-160	Fuzed	76-1-245	1
**S	All	75-1-34	Shell	H.E.	M41	75-2-258	13.82	1.11	TNT	75-14-151	Steel	Forg	75-20-70	M20	73-2-112	M48	P.D.	73-2-140	M5	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	76-7-623	76-8-29	76-1-160	Fuzed	76-1-245	2
**S & M	All	75-1-59	Shell	H.E.	M48	75-2-269	14.60	1.47	TNT	75-14-198	Steel	Forg	75-20-77	M20	73-2-112	M48	P.D.	73-2-140	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	76-7-623	76-8-29	76-1-266	Fuzed	76-1-245	3
**S & M	All	75-1-87	Shell	H.E.	M48	75-2-269	14.60	1.47	TNT	75-14-198	Steel	Forg	75-20-77	M20	73-2-112	M54	T-S.Q.	73-3-154	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	76-7-623	76-8-29	76-1-266	Fuzed	76-1-245	4
**S	All	75-1-92	Shell	H.E.	M1A1	75-2-258	13.76	1.11	TNT	75-14-151	Steel	Forg	75-20-70	M20	73-2-112	M54	T-S.Q.	73-3-154	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	76-7-623	76-8-29	76-1-160	Fuzed	76-1-245	5
S & M	All	75-1-114	Shell	Chem	M64	75-2-294	15.25	1.34	W.P.	75-14-276	Steel	Forg	75-20-77	M8%	73-1-184	M57	P.D.	73-2-138	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	-----	76-8-29	76-1-266	Fuzed	76-1-245	6
S & M	All	75-1-115	Shell	Chem	M64	75-2-294	14.94	1.04	H.S.	75-14-277	Steel	Forg	75-20-77	M8%	73-1-184	M57	P.D.	73-2-138	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	-----	76-8-29	76-1-266	Fuzed	76-1-245	7
S & M	All	75-1-116	Shell	Chem	M64	75-2-294	15.41	1.51	F.S.	75-14-278	Steel	Forg	75-20-77	M8%	73-1-184	M57	P.D.	73-2-138	M5A1	71-2-91	1.04	FNH	100-gr.	M1B1A1	74-2-32	76-7-621	-----	76-8-29	76-1-266	Fuzed	76-1-245	8
S & M	M1	72-3-59	Round	Drill	M2A2		19.2				Bronze						107M	21-sec. comb. @												Complete		A

S - Issue
M - Manufacture
P.D. - Point Detonating
Chem - Chemical
FNH - Flashless, nonhygroscopic powder
H.E. - High explosive
T-S.Q. - Time and superquick

@ - Burned-out fuze parts that have been condemned, or parts rejected by inspectors of the regular 21-sec. comb. or 21-sec. A.A. service fuzes, may be used.
" - 100-gr. Primer M1, M1A1, M1B1A1 may be used.
% - Burster, Casing M6, Drg. 73-1-173.
* - Propelling Charge Drawing 71-9-126.

** - Some rounds on hand in fiber containers are packed in wooden boxes. See Drawing 76-1-90.
\$ - Packing and marking of Bundle Packing, Drg. 20-4-185.

Issued - June 25, 1930
Revised - October 9, 1941.

NOTES	Designation of Gun	Complete Round Drg. No.	PROJECTILE										BOOSTER		FUZE			CARTRIDGE CASE §		PROPELLING CHARGE		PRIMER @			PACKING							Assembly No.			
			Kind	Type	Designation	Drg. No.	Wt. loaded and fused	Charge			Material.	Forging		Designation	Drg. No.	Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight Lb.	Kind	Size Grains	Designation	Drg. No.	BOXES			FIBER CONTAINER		Bundle Accessories				
								Wt.	Kind	Drg. No.		Type	Drg. No.													Fuze	Booster	Primer	Round						
																													Drg. No.	Drg. No.			Drg. No.	Drg. No.	Shipped
S & M	M1	75-1-149	Shell	H.E.	M42A1	75-18-33	12.87	.86	TNT	75-14-170	Steel	Forg	75-20-71	M20A1	73-2-112	M48A1	P.D.	73-2-140	M26	71-2-123	3.75	FNH	300	M28A2	74-2-63	76-7-621	76-7-623	76-8-60	76-1-462	Fuzed	76-1-245	1			
* S & M	M1	75-1-150	Proj.	APC	M62	75-2-292	15.44	.144	"D"	75-14-269	Steel			---	---	M66A1	B.D.	73-2-178	M26	71-2-123	3.75	FNH	300	M28A2	74-2-63	---	---	76-8-60	76-1-462	Fuzed	76-1-245	2			
* S & M	M1	75-1-152	Shot	A.P.	M79	75-18-45	15.00	.01	Tracer	75-14-325	Steel			---	---	---	---	---	M26	71-2-123	3.75	FNH	300	M28A2	74-2-63	---	---	76-8-60	76-1-478	Complete	76-1-245	3			
S & M	M1	75-1-148	Shell	*** Smoke	M88	75-2-322	7.60	3.15	H.C.	75-14-374	Steel	---	---	---	---	---	---	---	M26	71-2-123	.219	FNH	300	M28A2	74-2-63	---	---	76-8-60	76-1-465	Complete	76-1-245	4			

S-Issue
M-Manufacture
H.E-High Explosive
A.P-Armor Piercing
A.P.C-Armor Piercing Cap
P.D-Point Detonating
TNT-Trinitrotoluene
"D"-Explosive "D".
FNH-Flashless, Nonhygroscopic Powder

* With Tracer
** Base Emission
@ Substitute Primer, M28B2 (Steel) Drg. 74-2-63.
§ Cartridge Case, M26B1, (Steel) Substitute standard drg. 71-2-123.

AMMUNITION (FIXED) FOR 3-INCH SEACOAST GUNS, MODELS '02 AND '03

3-INCH

NOTES	Mark or Model of Gun	Com- plete Round Drg. No.	PROJECTILE										BOOSTER		FUZE		CARTRIDGE CASE		PROPELLING CHARGE		PRIMER "			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																									
			Kind	Type	Design- ation	Drg. No.	Wt. loaded and fused	Charge			Mate- rial	Forging or Casting		Mk. No.	Drg. No.	Design- ation	Type	Drg. No.	Mk. or Type	Drg. No.	Nominal Weight	Kind	Size	Designa- tion	Drg. No.	Fuze	Booster	Primer		Round																																																																																																																																																																																																																																																																																																																																																																																								
								Wt.	Kind	Drg. No.		Type	Drg. No.													Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.

M - Manufacture
 S - Issue
 B.D. - Base Detonating
 C.I. - Cast Iron
 FNE - Flashless, nonhygroscopic powder
 H.E. - High Explosive
 P.D. - Point Detonating

* - Drawing 75-5-26, an earlier type projectile, is fuzed with B.D. fuze Mk. IX, Drawing 73-2-71.
 Note - Earlier models loaded with black powder or TNT and fitted with F.A. fuzes are on hand in the coast defenses.
 " - Some rounds on hand have 100-grain percussion primer M1, Drg. 74-2-23, 530-grain percussion primer, M21, Drg. 74-2-30, or 500-grain percussion primer, M28.
 # - Base cover, Type II, Drg. 75-14-37.
 @ - Alternative, M42B2 - See Drg. 75-18-38.

Issued - August 15, 1924.

Revised - October 9, 1941.

AMMUNITION (FIXED) FOR 3-INCH GUNS

3-INCH

NOTES	DESIGNATION OF GUN	COMPLETE ROUND DRG. NO.	PROJECTILE										BOOSTER		FUZE		CARTRIDGE CASE		PROPELLING CHARGE		PRIMER*				PACKING					ASSEMBLY NO.									
			KIND	TYPE	DESIGNATION	DRG. NO.	WEIGHT LOADED AND FUZED (LBS.)	CHARGE			MATERIAL	FORGING OR CASTING		DESIGNATION	DRG. NO.	MK. OR DESIGNATION	TYPE	DRG. NO.	MK. NO.	DRG. NO.	NOMINAL WEIGHT Lb. Oz.	KIND	SIZE Grs.	DESIGNATION (a)	DRG. NO.	FUZE DRG. NO.	BOOSTER DRG. NO.	PRIMER DRG. NO.	ROUND										
								WEIGHT (Lb.)	KIND	DRG. NO.		TYPE	DRG. NO.																DRG. NO.		DRG. NO.	DRG. NO.	DRG. NO.	DRG. NO.	DRG. NO.	DRG. NO.	DRG. NO.	DRG. NO.	SHIPPED
% S	Note A	75-1-120	Shell	H.E.	Mk. IX	75-18-27	12.80	.89	TNT	75-14-271	Steel	Forg.	75-20-58	M23	73-2-164	M43A5	Mech. Time	73-7-29	I M2	71-2-94 (e)	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-7-682	76-1-555	20-4-388	Fuzed	1							
% S	Note B	75-1-121	Shell	H.E.	Mk. IX	75-18-27	12.80	.89	TNT	75-14-271	Steel	Forg.	75-20-58	M23	73-2-164	M43A5	Mech. Time	73-7-29	IIM2	71-2-95	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-7-682	76-1-555	20-4-388	Fuzed	2							
# S & M	Note A	75-1-38	Shell	H.E.	M42A1	75-18-33	12.71	.86	TNT	75-14-170	Steel	Forg.	75-20-71	M20A1	73-2-112	IIIA2	21-Sec. Time	73-2-121	I M2	71-2-94 (c)	4	14	FNH	300	M28A2	74-2-63	76-7-502	76-1-555	76-1-555	20-4-388	Fuzed	3							
# S & M	Note E	75-1-26	Shell	H.E.	M42A1	75-18-33	12.79	.86	TNT	75-14-170	Steel	Forg.	75-20-71	M20A1	73-2-112	IIIA2	21-Sec. Time	73-2-121	II M2	71-2-95 (c)	4	10	FNH	300	M28A2	74-2-63	76-7-502	76-1-555	76-1-555	20-4-388	Fuzed	4							
S & M	Note A	75-1-54	Shell	H.E.	M42A1	75-18-33	12.87	.86	TNT	75-14-170	Steel	Forg.	75-20-71	M20A1	73-2-112	M43A5	Mech. Time	73-7-29	I M2	71-2-94 (c)	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-1-555	76-1-555	20-4-388	Fuzed	5							
S & M	Note B	75-1-60	Shell	H.E.	M42A1	75-18-33	12.87	.86	TNT	75-14-170	Steel	Forg.	75-20-71	M20A1	73-2-112	M43A5	Mech. Time	73-7-29	IIM2	71-2-95 (c)	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-1-555	76-1-555	20-4-388	Fuzed	6							
@ S & M	Notes B & C	75-1-99	Shell	H.E.	M42A1	75-18-33	12.87	.86	TNT	75-14-170	Steel	Forg.	75-20-71	M20A1	73-2-112	M48A2	P.D.	73-2-140	IIM2	71-2-95 (c)	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-1-555	76-1-555	20-4-388	Fuzed	7							
" S & M	Notes B & C	75-1-133	Shot	A.P.	M79	75-18-45	15.00	.01	Tracer "D" Expl.	75-14-325	Steel	---	---	---	---	---	---	---	IIM2	71-2-95 (e)	4	6	FNH	300	M28A2	74-2-63	---	---	76-1-555	20-4-388	Complete	8							
" S & M	Notes B & C	75-1-104	Proj.	A.P.C.	M62A1	75-2-292	15.44	.144	---	75-14-269	Steel	---	---	---	---	M66A1	B.D.	73-2-178	IIM2	71-2-95	4	10	FNH	300	M28A2	74-2-63	76-1-555	---	76-1-555	20-4-388	Complete	9							
S	Note A	75-1-16	Shrap.	---	Mk. I	75-18-3	15.25	(253) (balls)	---	75-18-3	Steel	Forg.	75-20-17	---	---	IIIA1	21-sec. Time	73-3-146	IA1	71-5-21	5	0	FNH	300	M28A2	74-2-63	76-7-502	---	76-1-555	20-4-388	Fuzed	10							
S	Note B	75-1-17	Shrap.	---	Mk. I	75-18-3	15.25	(253) (balls)	---	75-18-3	Steel	Forg.	75-20-17	---	---	IIIA1	21-sec. Time	73-3-146	IIA1	71-5-3	4	10	FNH	300	M28A2	74-2-63	76-7-502	---	76-1-555	20-4-388	Fuzed	11							
S	Notes B & C	72-3-55	Round	Drill	M4A1		24.0				Bronze	Cast				M42A1	Dummy	72-5-1												Complete	A								
S	Note A	72-3-53	Round	Drill	M3A1		27.0				Bronze	Cast				M42A1	Dummy	72-5-1												Complete	B								
S & M	Note A	72-3-69	Round	Drill	M9B1 (d)		26.76				Mallable Iron	Cast				M59	Dummy	72-5-5											20-4-388	Complete	C								
S	Notes B & C	72-3-71	Round	Drill	M10		24.5				Bronze	Cast				M42A1	Dummy	72-5-1												Complete	D								
S & M	Notes B & C	72-3-80	Round	Drill	M15B1 (b)		25.02				Mallable Iron	Cast				M59	Dummy	72-5-5												20-4-388	Complete	E							
S & M	Note A	75-1-144	Shell	Prac.	M42B2	75-18-38	12.90	.89	Inert	75-14-356	Steel	---	---	M20A1	73-2-112	M43A5	Mech. Time	73-7-29	I M2	71-2-94 (e)	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-1-555	76-1-555	20-4-388	Fuzed	F							
S & M	Note B	75-1-164	Shell	Prac.	M42B2	75-18-38	12.90	.89	Inert	75-14-356	Steel	---	---	M20A1	73-2-112	M43A5	Mech. Time	73-7-29	IIM2	71-2-95	4	14	FNH	300	M28A2	74-2-63	76-1-522	76-1-555	76-1-555	20-4-388	Fuzed	G							

S - Issue
M - Manufacture
H.E. - High Explosive
N.H. - Non-Hygroscopic Powder
A.P.C. - Armor Piercing Cap
A.P. - Armor Piercing
Prac. - Practice
E.D. - Base Detonating
P.D. - Point Detonating
FNH - Flashless Non-Hygroscopic Powder

" - With Tracer
* - Some rounds on hand have 110-grain percussion primer, Drg. 74-2-3, and other rounds have 100-grain percussion primer, M1, Drg. 74-2-23, 330-grain percussion primer, M21, Drg. 74-2-30, or 300-grain percussion primer, M28, inserted in cartridge case.
\$ - Some rounds on hand assembled with Mk.X Booster and 21-sec. Time Fuze, See Drg. 75-1-9
- Mk. IIIA2 Fuze is the approved substitute standard.
@ - Fuze, P.D., M48A2, .05 Sec. Delay.

Note A - Guns, Models '17, '17A1, '17A2, '17A3, '17M1, '17M1A1, '17M1A2, '17M1A3, '17M1I, '17M1IA3, 1925M1, 1925M1A1, M2, and M4.

Note B - Guns, Models '18, '18A1, '18M1A1, and M3.

Note C - Guns, Models M5, M6 and M7.

(a) - Alternative:- Primer, Percussion, M28B2, Drg. 74-2-63.

(b) - Substitute Material:- Bronze Casting for Drill Cartridge, M15.

(c) - Alternative Standard:- Case, Cartridge, Mk. IIM2B1.

(d) - Substitute Material:- Bronze Casting for Drill Cartridge, M9.

% - Some rounds on hand assembled with Mk.X Booster and 21-Sec. Time Fuze. See Drg. 75-1-7.

ISSUED - August 15, 1924
REVISED - May 1, 1944

SHEET NO. 10

AMMUNITION FOR 3-INCH MORTAR AND 81-MM MORTAR, M1

81-MM
3-INCH

NOTES	Designation of Mortar	Complete Round Drg. No.	PROJECTILE											BOOSTER OR BURSTER		FUZE			PROPELLENT BAG OR INCREMENT		PROPELLING CHARGE		IGNITION CHARGE			PACKING				Assembly No.					
			Kind	Type	Designation	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Designation	Drg. No.	Designation	Type	Drg. No.	Designation	Drg. No.	Nominal weight	Kind	Charge		Drg. No.	Boxes	Fiber Container		Bundle Accessories						
								Wt.	Kind	Drg. No.		Type	Drg. No.										Wt.	Kind		Drg. No.	Wt.	Kind			Drg. No.	Fuse	Round		
																																	Drg. No.	Drg. No.	Shipped
S	All	75-1-47	Shell	H.E.	M45	75-2-261	6.92	1.22	TNT	75-14-192	Steel	Forg	75-20-72			M45***	P.D.	75-1-143		71-12-14	600	**	Grains	120	N.G.	75-19-76	76-7-617	76-1-211	Fused	76-1-245	1				
S	All	75-1-49	Shell	H.E.	M45	75-2-264	15.01	4.48	TNT	75-14-193	Steel	Forg	75-20-74			M45***	P.D.	75-1-143		71-12-14	400	**	Grains	120	N.G.	75-19-76	76-7-617	76-1-214	Fused	76-1-245	2				
S	All	75-1-88	Shell	H.E.	M45A1	75-2-261	6.92	1.22	TNT	75-14-192	Steel	Forg	75-20-72			M52	P.D.	75-1-161		71-12-14	700	**	Grains	120	N.G.	75-19-76	76-7-638	76-1-211	Fused	76-1-245	3				
S	All	75-1-97	Shell	H.E.	M56	75-2-283	10.62	4.3	TNT	75-14-254	Steel Tube	Forg	75-20-86	-----	-----	M53	P.D.	75-1-165	M2	71-12-16	820	@	Grains	120	N.G.	75-19-76	76-7-638	76-1-214	Fused	76-1-245	4				
S	All	75-1-93	Shell	Chem.	M57	75-2-284	11.36	4.06	W.P.	75-14-256	Steel Tube	Forg	75-20-86	M1	75-1-170	M52	P.D.	75-1-161	M2	71-12-16	820	@	Grains	120	N.G.	75-19-76	76-7-638	76-1-214	Fused	76-1-245	5				
S	All	75-1-94	Shell	Chem.	M57	75-2-284	11.86	4.59	F.S.	75-14-255	Steel Tube	Forg	75-20-86	M1	75-1-170	M52	P.D.	75-1-161	M2	71-12-16	820	@	Grains	120	N.G.	75-19-76	76-7-638	76-1-214	Fused	76-1-245	6				
°S & M	All	75-1-88	Shell	H.E.	M45A1	75-2-261	6.92	1.22	TNT	75-14-192	Steel	Forg	75-20-72	-----	-----	M52	P.D.	75-1-161	M1	71-12-15	700	**	Grains	120	N.G.	75-19-79	76-7-638	76-1-211	Fused	76-1-245	7				
°°S & M	All	75-1-97	Shell	H.E.	M56	75-2-283	10.62	4.3	TNT	75-14-254	Steel Tube	Forg	75-20-86	-----	-----	M53	P.D.	75-1-165	M2	71-12-16	820	@	Grains	120	N.G.	75-19-79	76-7-638	76-1-214	Fused	76-1-245	8				
°°S & M	All	75-1-93	Shell	Chem.	M57	75-2-284	11.36	4.06	W.P.	75-14-256	Steel Tube	Forg	75-20-86	M1	75-1-170	M52	P.D.	75-1-161	M2	71-12-16	820	@	Grains	120	N.G.	75-19-79	76-7-638	76-1-214	Fused	76-1-245	9				
°°S & M	All	75-1-94	Shell	Chem.	M57	75-2-284	11.86	4.59	F.S.	75-14-255	Steel Tube	Forg	75-20-86	M1	75-1-170	M52	P.D.	75-1-161	M2	71-12-16	820	@	Grains	120	N.G.	75-19-79	76-7-638	76-1-214	Fused	76-1-245	10				
°°S & M	All	75-1-128	Shell	Chem.	M57	75-2-284	10.41	3.15	H.S.	75-14-308	Steel Tube	Forg	75-20-86	M1	75-1-170	M52	P.D.	75-1-161	M2	71-12-16	820	@	Grains	120	N.G.	75-19-79	76-7-638	76-1-214	Fused	76-1-245	11				
S & M	All		Shell	Training	M68	75-2-302	10.75	-----	-----	-----	Cast Iron	Cast- ing		-----	-----	-----	-----	-----	-----	-----	-----	-----	120	N.G.	75-19-76	-----	-----	-----	-----	A					
S	All		Prac.		Mk. I	75-19-1	12.0	Sand loaded		75-14-98	Steel				75-19-72	Mk. VI	Perc.	73-1-65	Mk. I*	71-12-11	300	"	I	75-19-6						B					
\$\$\$()S & M	All	75-1-89	Prac.		M43A1	75-2-261	6.92	.16	Black Powder	75-14-212	Steel	Forg	75-20-72			M52	P.D.	75-1-161	M1	71-12-15	700	**	Grains	120	N.G.	75-19-79	76-7-638	76-1-211	Fused	76-1-245	C				
°S & M	All	75-1-90	Prac.		M44	75-2-263	6.92	.2	Black Powder	75-14-194	Cast Iron	Cast	75-20-73			M52	P.D.	75-1-161	M1	71-12-15	700	**	Grains	120	N.G.	75-19-79	76-7-638	76-1-211	Fused	76-1-245	D				

S - Issue
M - Manufacture
P.D. - Point Detonating
N.G. - Nitroglycerine powder
H.E. - High Explosive
TNT - Trinitrotoluene
- Special infallible powder
% - White phosphorus loaded in black iron container
() - O.C.M. 12734 approved this round as an alternative to the M44 practice round

" Existing charges consist of 3 propelling charge rings, each containing 100 grains of ballistite powder or 110 grains of M.R. No. 31, used to make one full charge for outer zone. For inner zones omit 1, 2, or 3 rings. For future production M.R. No. 31 only will be used.
* Propelling charge Mk. II shown on Drawing 71-12-3 may be used.
** Trench powder in 4 increments of approximately 100 grains each for the M45 shell and 6 increments of approximately 116 grains each for the M43 and M44 shells.
*** Fuze P.D. M45 transferred to limited standard, O.C.M. 15198.
§ Four increments of approximately 100 grains each are used when M43 and M44 shell are used in 3-inch trench mortar.
Some rounds of Mk. I H.E. shell and Mk. I smoke shell and Mk. I practice shell on hand are packed in wooden boxes. Packing box contains 3 complete rounds and 1 additional complete propelling charge. See Drawing 76-2-36 or 76-2-65. Some rounds on hand of M43 and M45 H.E. Shell and M43 practice shell are packed in wooden boxes. See Drawings 76-1-218 and 76-1-220.
@ Four increments of approx. 205 grs. each, flake propellant powder.
"° For Burster Casing M2 - See Drg. 75-1-169.
° Assembled with Primer Percussion M35 74-2-50.
°° Assembled with Primer Percussion M34 74-2-51.
\$\$\$ Some rounds on hand have old type increments and ignition, see Drgs. 71-12-14 and 75-19-76.

Issued - August 15, 1924.
Revised - October 9, 1941.

NOTES	Mark or Model of Gun	Complete Round Drg. No.	PROJECTILE										BOOSTER		FUZE			CARTRIDGE CASE **		PROPELLING CHARGE		PRIMER			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																								
			Kind	Type	Design- ation	Drg. No.	Weight loaded and fuzed lb.	Charge			Material	Forging or Casting		Wk. No.	Drg. No.	Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nominal Weight lb.	Kind	Size gr.	Design- ation	Drg. No.	Fuze	Booster	Primer	Box		Round																																																																																																																																																																																																																																																																																																																																																																																							
								Wt. lb.	Kind	Drg. No.		Type	Drg. No.													Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No

S - Issue
M - Manufacture
NH - Nonhygroscopic powder
H.E. - High explosive
M.T. - Mechanical time
TNT - Trinitrotoluene
GR. - Grains
Exp. - Explosive

* - Tracer
** - Cartridge Case M19B1 (Steel) Substitute Standard Drg. 71-2-112
® - M12R1 Malleable Iron Casting
% - Alternatives: Fuze, Dummy, M59 - Drg. 72-5-5
Fuze, Dummy, M44A2 - Drg. 72-5-2
Fuze, (Inert) M48A1 - Drg. 73-2-140
(Rejected lots of M48A1 fuzes (inert) may be used)
§ - Booster bodies used with Alternative fuzes:
M20A1 Drg. piecemark 73-2-114B
M21A1 Drg. piecemark 73-2-156B
M20A1B1 (Steel) Drg. piecemark 73-2-196C

Issued - January 1, 1940
Revised - 1 August 1943

NOTES	Designation of Gun	Complete Round Drg. No.	PROJECTILE										BOOSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																
			Kind	Type	Designation	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Designation	Drg. No.	Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Wt.	Kind	Type	Designation **	Drg. No.	Fuze	Booster	Primer	Round																																																																																																																																																																																																																																																																																																																																																																																																	
								Wt.	Kind	Drg. No.		Type	Drg. No.													Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.

S - Issue
M - Manufacture
FNH- Flashless, nonhygroscopic powder
H.E.- High explosive

* Owing to the availability of the M2 mech. time fuze approximately 18,000 rounds with the M38 H.E. shell have been issued.
** Some cartridge cases assembled with M28 primers.
Shell H.E. M38, Drawing 75-18-28, to be used until supply is exhausted.
See Drawing 75-1-24, revision date 8-1-33.

Issued - October 1, 1934.
Revised - February 1, 1941.

AMMUNITION (SEMIFIXED) FOR 105 MM HOWITZERS, M2, M2A1 & M3

105 MM

NOTES	Design- nation of Howitzer	Complete Round Drg. No.	PROJECTILE										BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE			PRIMER			PACKING					BUNDLE ACCESS- ORIES ##	ASSEMBLY NO.																																																																																																																																																																																																																																																																																																																																																																																																															
			Kind	Type	Design- nation	Drg. No.	Weight Loaded and Fuzed lb.	Charge			Material	Forging or Casting		Design- nation	Drg. No.	Design- nation	Type	Drg. No.	Design- nation	Drg. No.	Nominal Weight lb.	Kind	Drg. No.	Type gr.	Design- nation	Drg. No.	BOXES			FIBER CONTAINER																																																																																																																																																																																																																																																																																																																																																																																																																	
								Wt. lb.	Kind	Drg. No.		Type	Drg. No.														Type	Drg. No.	Type	Drg. No.			Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type

S - Issue
M - Manufacture
P.D. - Point Detonating
FNH - Flashless, Nonhygroscopic
T-SQ - Time and Superquick
Pent - Pentolite

* - Some rounds on hand in fiber containers are packed in wooden boxes.
Drg. 76-1-243.
** - Bursting casing M5, Drg. 73-1-172.
*** - Complete Drill Cartridge Assembly Weight.
% - Shell, Smoke, 105 mm. M84 made from tubing, M84B1 made from Forging.
- 100 gr. Primer M1, M1A1, M1B1, or M1B1A1 may be used.
@ - Assembled with Booster M22, Drg. 73-2-150.
\$ - Charge, Propelling, Dummy M3.
¢ - Inert Primers, 100 gr., M1B1A1 or 100 gr. M1A1 may be used.
- Packing and Marking of Bundle Packing, Drg. 20-4-257.
o - Cartridge Case (Steel) M14B1, Drg. 71-2-101.

ISSUED - October 1, 1934

REVISED - 1 August 1943

AMMUNITION (SEPARATE LOADING) 4.5 INCH GUN MI

4.5 INCH

NOTES	Designation of Gun	PROJECTILE										BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																										
		Kind	Type	Designation	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Designation	Drg. No.	Designation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind	Size	Mk. or Mod.	Drg. No.	Fuze	Booster	Propellant	Primer	Projectile																																																																																																																																																																																																																																																																																																																																																																																																											
							Wt.	Kind	Drg. No.		Type	Drg. No.						Type	Drg. No.						Type	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No

S - Issue
M - Manufacture
FNH - Flashless, nonhygroscopic powder
H.E. - High explosive
P.D. - Point detonating
T-SQ. - Time and superquick

() - Use eyebolt lifting plug, Drawing 75-14-42.

Issued - October 9, 1941.

AMMUNITION (SEPARATE LOADING) FOR 4.7 INCH GUN, M1

4.7 INCH

Notes	Mark or Mod. of Gun	Com- plete Round Drg. No.	PROJECTILE											BOOSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE**		PRIMER			PACKING							Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																																																	
			Kind	Type	Desig- nation	Drg. No.	Wt. loaded and fused	Charge			Mat- erial	Forging		Desig- nation	Drg. No.	Desig- nation	Type	Drg. No.	Desig- nation	Drg. No.	Nomi- nal Weight	Kind	Type	Desig- nation	Drg. No.	Boxes			Fiber Container		Shipped																																																																																																																																																																																																																																																																																																																																																																																																																																			
								Wt.	Kind	Drg. No.		Type	Drg. No.													Type	Drg. No.	Type	Drg. No.	Type		Drg. No.		Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type	Drg. No.	Type

S - Issues
M - Manufacture
H.E. - High Explosive
NH - Nonhygroscopic
M.T. - Mechanical Time
Perc. - Percussion

* - Cork Plug, M1, Drg. 71-2-114.
** - Propelling Charge, Drg. 71-9-161.
*** - Two shells, fused, per box - See Drg. 76-1-421,
and two propelling charges per box - See Drg. 76-1-414.

AMMUNITION (SEPARATE LOADING) FOR 6-INCH SEACOAST GUNS, MODELS '97M1, '00, '03, '05, '08, '08M1, AND '08M11.

6-INCH

NOTES	Mark or Model of Gun	PROJECTILE										ADAPTER AND BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																																																																					
		Kind	Type Mk. or Mod.	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Mk. No.	Drg. No.	Mk. or Mod.	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind %	Type	Mk. or Mod.	Drg. No.	Fuse	Booster	Fiber Con- tainer#	Primer	Projectile																																																																																																																																																																																																																																																																																																																																																																																																																																																							
						Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type	Drg. No.						Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.

- S - Issue
M - Manufacture
P. D. - Point detonating
B. D. - Base detonating
S.S. - Single section
C.S.C. - Cartridge Storage case
Com. - Common
- x - Shipped uncrated with rope grommet, Drawing 75-14-43.
% - Some pyro powder charges are on hand available for issue.
* - Guns in emplacements fitted with electrical equipment use electric primer for seacoast cannon, Drawing 74-5-18, with friction primer for emergency use.
** - Use packing box shown on Drawing 76-8-8 for friction primer Mod. '14.
@ - Other model projectiles on hand in coast defenses.
\$ - Some propelling charges on hand weigh 26 lb. 7 oz.
() - Use eyebolt lifting plug, Drawing 75-14-42.
- Some propelling charges on hand are packed in cartridge storage cases, Drawing 76-5-73.

Issued - August 15, 1924.
Revised - September 1, 1942.

NOTES	Mark or Model of Gun.	PROJECTILE										ADAPTER AND BOOSTER OR BURSTER		FUZE			PROPELLING CHARGE				PRIMER				PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																										
		Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Mk. or Designation	Drg. No.	Designation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind **	Size	Mk. or Mod.	Drg. No.	Fuze		Booster	Propellant	Primer	Projectile																																																																																																																																																																																																																																																																																																																																																																																											
							Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type	Drg. No.						Drg. No.	Drg. No.				Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.

S - Issue
M - Manufacture
P.D. - Point Detonating
H.E. - High Explosive
Comb. - Combination Time & Percussion
NH - Nonhygroscopic Powder
B&I - Base & Increment

* - Produced by converting Chemical Shell Mk. VII, Drg. 75-4-42.
\$ - Produced by converting H.E. Shell Mk. III, Drg. 75-4-36.
- Some Pyro Powder Charges are on hand available for use in Guns Mod. 1917, 1917A1, 1918M1.
* - Some Shell on hand are loaded with 50/50 or 80/20 Amatol.
** - A Charge of Pyrocellulose Powder may be used as substitute standard.
() - Use Eyebolt Lifting Plug, Drg. 75-14-42.
® - Assembled with Booster M21A1, Drg. 73-2-154; Some Boosters designated M21 and P.D. Fuzes M51 are on hand.
% - Bursting casing M1, Drg. 73-1-168.

Issued - August 15, 1924

Revised - April 1, 1942

AMMUNITION (SEPARATE LOADING) FOR 8-INCH GUNS, MOD. '88, '88M1, '88M11, & MK. VI MOD. 3A2

8-INCH

NOTES	Mark or Model of Gun	PROJECTILE											ADAPTER AND BOOSTER		FUZE			PROPELLING CHARGE				PRIMER				PACKING						Assembly No.			
		Kind	Type	Mk. or Mod.	Drg. No.	Weight loaded and fused	Charge			Material	Forging or Casting		Mk. No.	Drg. No.	Designation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind	Type*	Mk. or Mod.	Drg. No.	Fuze	Booster	C.S.C.	Primer	Projectile						
							Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type	Drg. No.						Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Shipped
							Lb.	Lb.	TNT*		Steel	Forg						75-20-5	IIA						73-1-122	M46	P.D.	73-2-126	B & I	71-9-58	80		N.C.\$	Elec	
S & M	\$\$	Shell	H.E.	I	75-4-23	200	29.6	TNT*		Steel	Forg	75-20-5	IIA	73-1-122	M47	P.D.	73-2-157	B & I	71-9-58	80	N.C.\$	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	()	Unfuzed	1				
S & M	\$\$	Shell	H.E.	I	75-4-23	200	29.6	TNT"		Steel	Forg	75-20-5	IIA	73-1-122	M47	P.D.	73-2-157	B & I	71-9-58	80	N.C.\$	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	()	Unfuzed	2				
XS	\$\$	Shot	A.P.	'11	75-8-3	323	5.1	"D"		Steel					Mk. V	B.D.	73-2-62	S.S.	71-9-20	82	N.C.	Elec		74-5-18	76-7-525		76-5-52	76-8-8		Fuzed	3				
XS	\$\$	Shell	A.P.	'11	75-8-4	323	16.32	"D"		Steel					Mk. V	B.D.	73-2-62	S.S.	71-9-20	82	N.C.	Elec		74-5-18	76-7-525		76-5-52	76-8-8		Fuzed	4				
S	\$\$	Proj.	A.P.	#		260		"D"		Steel								Two-sec	71-9-146	84	N.H.\$	Elec		74-5-18				76-8-8			5				
S & M	%%	Proj.	A.P.	XX	Navy 267765	261.8	3.40	"D"	75-14-259	Steel					Mk. X	B.D.	73-2-74	B & I	71-9-158	107	N.H.	Navy	XVMI	74-8-5	76-7-552		76-5-77			Fuzed	6				
S & M	%%	Proj.	A.P.	XX	Navy 267765	261.8	3.40	"D"	75-14-259	Steel					Mk. X	B.D.	73-2-74	Two-sec	71-9-146	84	N.H.	Elec		74-5-18	76-7-552			76-8-8		Fuzed	7				
S & M	%%	Shell	H.E.	M103	75-4-87	240.	20.9	Cast TNT	75-14-258	Steel	Forg	75-20-87	M21A1	73-2-154	M51A1 Mod. 1	P.D.	73-2-163	B & I	71-9-158	107	N.H.	Navy	XVMI	74-8-5			76-5-77		●	Fuzed	8				
S & M	%%	Target	C.I.	M109	75-8-20	260	---	---	---	Cast Iron	Cast-ing	---	---	---	---	---	---	Two-sec	71-9-146	84	N.H.\$	Elec		74-5-18	---	---		76-8-8		Complete	A				
S & M	%%	Target	C.I.	M109	75-8-20	260	---	---	---	Cast Iron	Cast-ing	---	---	---	---	---	---	B & I	71-9-158	107	N.H.	Navy	XVMI	74-8-5	---	---				Complete	B				
S	%%	Target	C.I.	XVIII	Navy 199127	260				Cast Iron								B & I	71-9-158	107	N.H.									Complete	C				
S & M	%%	Target	C.I.	'11	75-8-14	323				Cast Iron								S.S.	71-9-20	82	N.C.\$	Elec		74-5-18			76-5-52	76-8-8		Complete	D				
S & M	All	Dummy	Drill	I	72-1-29	200				C.I.,Steel, and bronze								S.S.	72-2-26	80		Elec		74-5-18				76-8-8		Complete	E				
S	All	Dummy	Drill	II	72-1-18	323				C.I.,Steel, and bronze								S.S.	72-2-20	82		Elec		74-5-18				76-8-8		Complete	F				

S - Issue
M - Manufacture
P.D. - Point Detonating
B.D. - Base Detonating
H.E. - High Explosive
A.P. - Armor Piercing
C.I. - Cast Iron
C.S.C. - Cartridge Storage Case
B & I - Base and Increment
S.S. - Single Section
N.C. - Nitrocellulose or Pyrocellulose Powder
N.H. - Nonhygroscopic Powder

* - Some shell on hand are loaded with 80/20 amatol.
* - Guns in emplacements fitted with electrical equipment use, electric primer for seacoast cannon, Drawing 74-5-18, with friction primer for emergency use.
** - Use packing box shown on Drawing 76-8-8 for friction primer Mod. '14 for seacoast cannon.
- Includes several old designs of Navy projectiles which are on hand.
() - Use eyebolt lifting plug, Drawing 75-14-42, and rope grommet, Drawing 75-14-43.
% - Some earlier models are on hand in the coast defenses.
%% - Gun, Mk. VI Mod. 3A2.
\$ - Some pyro powder charges are on hand available for issue.
\$\$ - Guns Mod. '88, '88M1 and '88M11.
@ - Packed in box - See Drg. 76-2-79.
** - Some shell on hand are assembled with Booster M21 and P.D. Fuze M51, Mod. 1.

Issued - August 15, 1924.

Revised - April 1, 1942.

AMMUNITION (SEPARATE LOADING) FOR 8-INCH HOWITZER - M1

8-INCH

NOTES	Mark or Model of How.	PROJECTILE											BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING							Assembly No.			
		Kind	Type	Mark or Design- ation	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Design- ation	Drg. No.	Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nominal Weight	Kind	Type	Mk. or Mod.	Drg. No.	Fuze	Booster	Fiber Container	Primer	Projectile						
							Wt.	Kind	Drg. No.		Type	Drg. No.													Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.
S & M	M1	Shell	H.E.	IAI	75-4-23	Lb. 200.00	Lb. 30.08	TNT	75-14-357	Steel	Forg	75-20-5	M21A1	73-2-154	M51A1	P.D.	73-2-146	M1	71-9-165	Lb. Oz. 13 6	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-62*	76-8-16	()	Unfuzed	1				
S & M	M1	Shell	H.E.	IAI	75-4-23	200.00	30.08	TNT	75-14-357	Steel	Forg	75-20-5	M21A1	73-2-154	M51A1	P.D.	73-2-146	M2	71-9-169	28 4	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-65**	76-8-16	()	Unfuzed	2				
S & M	M1	Shell	H.E.	IAI	75-4-23	200.00	30.08	TNT	75-14-357	Steel	Forg	75-20-5	M21A1	73-2-154	M67	M.T.	73-7-97	M1	71-9-165	13 6	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-62*	76-8-16	()	Unfuzed	3				
S & M	M1	Shell	H.E.	IAI	75-4-23	200.00	30.08	TNT	75-14-357	Steel	Forg	75-20-5	M21A1	73-2-154	M67	M.T.	73-7-97	M2	71-9-169	28 4	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-65**	76-8-16	()	Unfuzed	4				
S & M	M1	Shell	H.E.	M106	75-4-76	200.00	36.98	TNT	75-14-280	Steel	Forg	75-20-88	M21A1	73-2-154	M51A1	P.D.	73-2-146	M1	71-9-165	13 6	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-62*	76-8-16	()	Unfuzed	5				
S & M	M1	Shell	H.E.	M106	75-4-76	200.00	36.98	TNT	75-14-280	Steel	Forg	75-20-88	M21A1	73-2-154	M51A1	P.D.	73-2-146	M2	71-9-169	28 4	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-65**	76-8-16	()	Unfuzed	6				
S & M	M1	Shell	H.E.	M106	75-4-76	200.00	36.98	TNT	75-14-280	Steel	Forg	75-20-88	M21A1	73-2-154	M67	M.T.	73-7-97	M1	71-9-165	13 6	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-62*	76-8-16	()	Unfuzed	7				
S & M	M1	Shell	H.E.	M106	75-4-76	200.00	36.98	TNT	75-14-280	Steel	Forg	75-20-88	M21A1	73-2-154	M67	M.T.	73-7-97	M2	71-9-169	28 4	FNH	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-65**	76-8-16	()	Unfuzed	8				
S & M	M1	Dummy	Drill	I	72-1-29	200.00				C.I., Steel and bronze								I	72-2-29	11 00		21	IIA1	74-2-21				76-8-16			A				

S - Issue
M - Manufacture
P.D. - Point detonating
C.S.C. - Cartridge storage case
H.E. - High explosive
M.T. - Mechanical time

* - Packing and Marking of Bundle, Packing, Drg. 20-4-267.
** - Packing and Marking of Bundle, Packing, Drg. 20-4-268.
() - Use eyebolt lifting plug. Drg. 75-14-42.

Issued - August 15, 1924.
Revised - September 1, 1942.

NOTES	Mod. or Design- ation of How	PROJECTILE										ADAPTER OR BOOSTER		FUZE			PROPELLING CHARGE				PRIMER				PACKING						Assembly No.			
		Kind	Type	Mk. or Design- ation	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Mk. or Design- ation	Drg. No.	Design- ation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind **	Type	Mk. or Mod.	Drg. No.	Fuse	Booster	Propellant	Primer	Projectile					
							Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type	Drg. No.										Drg. No.	Drg. No.		Drg. No."	Drg. No.	Shipped
S	'18	Shell	H.E.	III	75-4-72	Lb. 345	Lb. 49.22	TNT*	75-14-139	Steel	Forg	75-20-30	IIA	73-1-122	M46	P.D.	73-2-126	Five-Sec#	71-9-77	Lb. Oz. 36 0	N.H.	21	IIA1	74-2-21	76-7-614	76-7-257	76-10-46	76-8-16	()	Unfuzed	1			
S	'18	Shell	H.E.	III	75-4-72	345	49.22	TNT*	75-14-139	Steel	Forg	75-20-30	IIA	73-1-122	M47	P.D.	73-2-157	Five-Sec#	71-9-77	36 0	N.H.	21	IIA1	74-2-21	76-7-614	76-7-257	76-10-46	76-8-16	()	Unfuzed	2			
S & M	'18	Shell	H.E.	IIIA1	75-4-72	345	49.79	*** TNT	75-14-139	Steel	Forg	75-20-30	M21A1	73-1-154	M51A1	P.D.	73-2-146	Five-Sec#	71-9-77	36 0	N.H.	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-46	76-8-16	()	Unfuzed	3			
S & M	'18	Shell	H.E.	IIIA1	75-4-72	345	49.79	*** TNT	75-14-139	Steel	Forg	75-20-30	M21A1	73-1-154	M67	M.T.	73-7-97	Five-Sec#	71-9-77	36 0	N.H.	21	IIA1	74-2-21	76-7-620	76-7-623	76-10-46	76-8-16	()	Unfuzed	4			
S & M	M1	Shell	H.E.	M114	75-4-92	360	54.06	TNT	75-14-349	Steel	Forg	75-20-89	M21A1	73-1-154	M51A1	P.D.	73-2-146	Four-Sec	71-9-190	78 12	N.H.	21	IIA1	74-2-21	76-7-620	76-7-623	76-5-81	76-8-16	()	Unfuzed	5			
S & M	M1	Shell	H.E.	M114	75-4-92	360	54.06	TNT	75-14-349	Steel	Forg	75-20-89	M21A1	73-1-154	M67	M.T.	73-7-97	Four-Sec	71-9-190	78 12	N.H.	21	IIA1	74-2-21	76-7-620	76-7-623	76-5-81	76-8-16	()	Unfuzed	6			
S & M	'18	Dummy	Drill	I	72-1-32	356				C.I., Steel and bronze								Five-Sec#	72-2-47	38 0		21	IIA1	74-2-21				76-8-16		Complete	A			

S - Issue
M - Manufacture
N.H. - Nonhygroscopic powder
H.E. - High explosive
C.I. - Cast iron
P.D. - Point detonating
M.T. - Mechanical time
Sec. - Section

* - Some charges in storage are packed in metal cartridge storage cases, Drawing 76-5-52.
* - Some shell on hand loaded with 80/20 amatol.
** - Some pyro powder charges are on hand available for issue.
*** - Loaded with 50/50 amatol.
() - Use eyebolt lifting plug, Drawing 75-14-42, and rope grommet, Drawing 75-14-43.
- Consists of 4 - 1/5 charges and 2 - 1/10 charges.

Issued - August 15, 1924.
Revised - September 1, 1942.

10-INCH

[illegible]

S - Issue
M - Manufacture
B.D. - Base Detonating
A.P. - Armor piercing
S.S. - Single section
C.S.C. - Cartridge storage case
C.I. - Cast iron
N.H. - Nonhygroscopic powder

- * Single-section charges shown on Drawings 71-9-18 and 19 and two-section charges for which there is no drawing were issued prior to 1920.
- * Guns in emplacements fitted with electrical equipment use electric primer for seacoast cannon, Drawing 74-5-18, with friction primer for emergency use.
- \$ Use packing box shown on Drawing 76-8-8 for friction primer Mod. 14.
- x Shipped uncrated with rope grommet.

Note For igniter protector caps see Drawings 71-9-34 and 71-9-155.

Issued - August 15, 1924.

Revised - September 1, 1942.

NOTES	CANNON	Com- plete Round Drg. No.	PROJECTILE										ADAPTER AND BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING						Assembly No.		
			Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging						Cartridge Bag		Nomi- nal Weight Charge	Kind				Drg. No.	Fuze No.	Booster No.	C.S.C.		Primer		Projectile	
								Wt.	Kind	Drg. No.		Type	Drg. No.	Mk. or Type	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.			Drg. No.	Drg. No.	Shipped									
\$S	'95		Shell	H.E.	VI	75-10-27	Lb. 700	Lb. 86.4	"D"		Steel	Forg	75-20-21			Mk. V	B.D.	73-2-62	B & I	71-9-62	Lb. 220	N.C.	Elec		74-5-18	76-7-525		76-4-35	76-8-8	{ }	Fuzed	1	
\$S & M	'95		Shell	H.E.	X	75-10-29	712	118.28	TNT		Steel	Forg	75-20-36	IIA	73-1-122	M46	P.D.	73-2-126	B & I	71-9-62	220	N.C.	Elec		74-5-18	76-7-614	76-7-257	76-4-35	76-8-8	76-3-9	Unfuzed	2	
\$S & M	'95		Shell	H.E.	X	75-10-29	712	118.28	TNT		Steel	Forg	75-20-36	IIA	73-1-122	M47	P.D.	73-2-157	B & I	71-9-62	220	N.C.	Elec		74-5-18	76-7-614	76-7-257	76-4-35	76-8-8	76-3-9	Unfuzed	3	
qS	'00		Shell	A.P.	'12A	75-10-1	1,070	59.73	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-119	295	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	4	
qS	'88, '95		Shell	A.P.	'12A	75-10-1	1,070	59.73	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-116	270	N.H.#	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	5	
**S	'88, '95		Shot	A.P.	'13	75-10-3	1,070	19.47	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-116	270	N.H.#	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	6	
**S	'00		Shot	A.P.	'13	75-10-3	1,070	19.47	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-119	295	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	7	
S	'88, '95		Shell	A.P.	I	75-10-21	900	43.34	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-116	270	N.H.#	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	8	
#00S & M	'88, '95		Proj	A.P.	XVI	75-10-34	975	22.20	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-116	270	N.H.#	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	9	
#00S & M	'00		Proj	A.P.	XVI	75-10-34	975	22.20	"D"		Steel					Mk. X%	B.D.	73-2-74	Four Sec. 00	71-9-119	295	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	10	
"S	'88, '95		Proj	A.P.			870		"D"		Steel								Four Sec. 00	71-9-116	248	N.H.#	Elec		74-5-18			76-5-52	76-8-8	76-3-9	Fuzed	11	
S & M	'88, '95		Dummy	Drill	II	72-1-21	1,070				C.I., steel, and bronze.									72-2-17	275		Elec		74-5-18				76-8-8	76-3-9	Complete	A	
S & M	'00		Dummy	Drill	II	72-1-21	1,070				C.I., steel, and bronze.									72-2-17	275		Elec		74-5-18				76-8-8	76-3-9	Complete	B	
S & M	'95		Dummy	Drill	I	72-1-34	700				C.I., steel, and bronze.									72-2-17	275		Elec		74-5-18				76-8-8	76-3-9	Complete	C	
S & M	'88, '95		Target practice		'11	75-10-15	1,070				Cast iron	Cast							Four Sec.	71-9-116	270	N.H.	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	D
S & M	'00		Target practice		'11	75-10-15	1,070				Cast iron	Cast							Four Sec.	71-9-119	295	N.H.	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	E
S & M	'95		Target practice		XV	75-10-32	900				Cast iron	Cast							Four Sec.	71-9-116	270	N.H.	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	F
S & M	'88, '95		Target practice		XXI	75-10-38	975				Cast iron	Cast							Four Sec. 00	71-9-116	270	N.H.	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	G
S	'95		Target practice		VI	75-10-27	700	Sand			Steel	Forg	75-20-21						B & I	71-9-62	220	N.C.	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	H
S	'88, '95		Target practice		XMod. 6 { Navy 97846 }		870	Sand			Cast iron	Cast							Four Sec.	71-9-116	248	N.H.#	Elec		74-5-18				76-5-52	76-8-8	{ }	Complete	I

S - Issue
M - Manufacture
P.D. - Point detonating
B.D. - Base detonating
C.S.C. - Cartridge storage case
B & I - Base and increment
H.E. - High explosive
C.I. - Case iron
A.P. - Armor piercing
N.C. - Nitrocellulose or pyrocellulose powder
N.H. - Nonhygroscopic powder

* Use packing box shown on Drawing 76-8-8 for friction primer Mod. '14.
** Approximately 10,000 loaded and fuzed projectiles received from the Navy Dept. (Mk. VII; VIII; VIII Mods. 1, 4, 5; Mk. XII; Mk. XIII; Mk. XIV Mods. 4, 5B, 5D; 8; Mk. XV Mods. 1, 2, 3, and 5).
* Guns in emplacements fitted with electrical equipment use electric primer for seacoast cannon, Drawing 74-5-18, with friction primer Mod. '14 for emergency use.
** For other details of manufacture see Drawing 75-10-22. Earlier models are also on hand for seacoast defenses.
o Single section charges shown on Drawings 71-9-16 and 17 were issued prior to 1920.
oo For other details of manufacture see Drawings 75-10-35, 36, 37, 39, 40, 42, 43, 44, and 45.
\$ A.P. shot and shell issued since January 1, 1923, approximately have been fitted with Mk. X B.D. fuzes. Those issued prior were equipped with earlier types of fuzes.
\$ For other details of manufacture see Drawings 75-10-19 and 20. Earlier models are also on hand in seacoast defenses.

\$ For use against land targets (railway mount).
() Shipped uncrated with rope grommet.
o Multisection charges shown on Drawing 71-9-76 are in storage.
Some pyro powder charges are on hand available for issue.
Note For igniter protector cap see Drawing 71-9-34.

Issued - August 15, 1924.
Revised - February 1, 1941.

NOTES	CANNON	Complete Round Drg. No.	PROJECTILE										ADAPTER AND BOOSTER		FUZE			PROPELLING CHARGE				PRIMER*				PACKING						Assembly No.	
			Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fused	Charge			Material	Forging		Mk. No.	Drg. No.	Designation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind	Type	Mk. or Mod.	Drg. No.	Fuze		Booster	C.S.C.	Primer	Projectile or Round		
								Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type %	Drg. No.						Drg. No.	Drg. No.				Drg. No.**		Drg. No.
\$S	'90, '08		Shell	H.E.	VI	75-10-27	Lb. 700	Lb. 86.40	"D"		Steel	Forg	75-20-21			Mk. V	B.D.	73-2-62	Al. pt.	71-9-78	Lb. 63	N.H.	Elec		74-5-18	76-7-525		76-5-52	76-8-8	76-3-9	Fuzed	1	
S	'90, '08		Shell	H.E.	VIA	75-10-26	693	103.40	TNT		Steel	Forg	75-20-21	IIA	73-1-122	M46	P.D.	73-2-126	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	{ }	Unfuzed	2	
S	'90, '08		Shell	H.E.	VIA	75-10-26	693	103.40	TNT		Steel	Forg	75-20-21	IIA	73-1-122	M47	P.D.	73-2-157	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	{ }	Unfuzed	3	
M	'90, '08		Shell	H.E.	VIII	75-12-41	700	87.57	"D"	75-14-146	Steel	Forg	75-20-44			Mk. V	B.D.	73-2-62	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-525		76-5-52	76-8-8	76-3-9	Fuzed	4	
M	'90, '08		Shell	H.E.	XI	75-12-42	712	118.25	TNT		Steel	Forg	75-20-36	IIA	73-1-122	M46	P.D.	73-2-126	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	{ }	Unfuzed	5	
M	'90, '08		Shell	H.E.	XI	75-12-42	712	118.25	TNT		Steel	Forg	75-20-36	IIA	73-1-122	M47	P.D.	73-2-157	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	{ }	Unfuzed	6	
oS & M	'90, '08		Shell	D.P.	'11A	75-12-24	700	24.16	"D"		Steel					Mk. X	B.D.	73-2-74	Al. pt.	71-9-78	63	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	7	
oS & M	'12		Shell	D.P.	'11A	75-12-24	700	24.16	"D"		Steel					Mk. X	B.D.	73-2-74	B & I	71-9-25,26	89	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	8	
\$S	'90, '08		Shell	D.P.	'98	75-12-3	824	32.68	"D"		Steel					Mk. X	B.D.	73-2-74	Al. pt.	71-9-78	58	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	9	
\$S	'90, '08		Shell	D.P.	'98	75-12-4	1,046	58.35	"D"		Steel					Mk. X	B.D.	73-2-74	Al. pt.	71-9-78	47	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	10	
\$S	'12		Shell	D.P.	'98	75-12-4	1,046	58.35	"D"		Steel					Mk. X	B.D.	73-2-74	B & I	71-9-25,26	60	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	11	
\$S & M	'90, '08		Shell	D.P.	XXVIII	75-12-46	1,046	58.52	"D"		Steel					Mk. X	B.D.	73-2-74	Al. pt.	71-9-78	47	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	12	
\$S & M	'12		Shell	D.P.	XXVIII	75-12-46	1,046	58.52	"D"		Steel					Mk. X	B.D.	73-2-74	B & I	71-9-25,26	60	N.H.	Elec		74-5-18	76-7-552		76-5-52	76-8-8	76-3-9	Fuzed	13	
S & M	All		Dummy	Drill	I	72-1-34	700				C.I., steel, and bronze.							S.S.	72-2-37	{33 84 88}		Elec		74-5-18					76-8-8	76-3-9	Complete	A	
S & M	All		Dummy	Drill		72-1-4	1,046				C.I., steel, and bronze.							S.S.	72-2-37	{33 84 88}		Elec		74-5-18					76-8-8	76-3-9	Complete	B	
S	'90, '08		Target practice		'07	75-12-1	824				Cast iron	Cast						Al. pt.	71-9-78	58	N.H.	Elec		74-5-18				76-5-52	76-8-8	x	Complete	C	
S & M	'90, '08		Target practice		'07	75-12-2	1,046				Cast iron	Cast						Al. pt.	71-9-78	47	N.H.	Elec		74-5-18				76-5-52	76-8-8	x	Complete	D	
S & M	'12		Target practice		'07	75-12-2	1,046				Cast iron	Cast						B & I	71-9-25,26	60	N.H.	Elec		74-5-18				76-5-52	76-8-8	x	Complete	E	
S & M	'90, '08		Target practice		'12	75-12-22	700				Cast iron	Cast						Al. pt.	71-9-78	63	N.H.	Elec		74-5-18				76-5-52	76-8-8	x	Complete	F	
S & M	'12		Target practice		'12	75-12-22	700				Cast iron	Cast						B & I	71-9-25,26	89	N.H.	Elec		74-5-18				76-5-52	76-8-8	x	Complete	G	

S - Issue

M - Manufacture

P.D. - Point detonating

B.D. - Base detonating

H.E. - High explosive

C.I. - Cast iron

N.H. - Nonhygroscopic powder

S.S. - Single section

D.P. - Deck piercing

B & I - Base and increment

C.S.C. - Cartridge storage case

Al. pt. - Aliquot part

* Guns in emplacements fitted with electrical equipment use electric primer for seacoast cannon, Drawing 74-5-18, with friction primer Mod. '14 for emergency use.

** Use packing box shown on Drawing 76-8-8 for friction primer Mod. '14.

* Charges issued since January 1, 1923, approximately, for Mod. '90, '08 mortars have been aliquot part charges. Those issued prior were base and increment.

x Shipped uncrated with rope grommet.

Some pyro powder charges are on hand available for issue.

\$ With modified band for mortar.

() Use eyebolt lifting plug, Drawing 75-14-42, and rope grommet, Drawing 75-14-43, provided ogive is not attached to shell, otherwise use crate, Drawing 76-3-9.

* D.P. shell issued since January 1, 1923, approximately, have been fitted with Mk. X B.D. fuze. Those issued prior were equipped with earlier types of fuzes.

o See also Drawings 75-12-29 and 30.

Note For igniter protector caps see Drawings 71-9-34 and 71-9-155.

Issued - August 15, 1924.

Revised - January 1, 1940.

AMMUNITION (SEPARATE LOADING) FOR 14-INCH SEACOAST GUNS, MODELS '07, '07M1, '09, '10, '10M1, '20M1, AND M11

14-IN. GUN

NOTES	CANNON	Com- plete Round Drg. No.	PROJECTILE											FUZE			CARTRIDGE BAG		PROPELLING CHARGE		PRIMER			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																												
			Kind	Type	Mk. or desig- nation	Drg. No.	Weight loaded and fuzed	Charge			Material	Forging or Casting		Mk. or Mod.	Type	Drg. No.	Type*	Drg. No.	Nomi- nal Wt.	Kind	Type ***	Mk. or Mod.	Drg. No.	Fuze	C.S.C.	Primer	Projectile or Round																																																																																																																																																																																																																																																																																																																																																																																														
								Wt.	Kind	Drg. No.		Type	Drg. No.											Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.</

S - Issue
M - Manufacture
N.C. - Nitrocellulose or pyrocellulose powder
N.H. - Nonhygroscopic powder
C.I. - Cast iron
Elec - Electric
Comb - Combination electric and percussion
C.S.C. - Cartridge storage case

* Charges issued since 1920 for 14-inch guns have been four-section charges. Those issued prior were single-section charges.
*** Guns in emplacements fitted with electrical equipment use electric primer for sea-coast cannon, Drawing 74-5-18, with friction primer for emergency use.
¶ Use packing box shown on Drawing 76-8-8 for friction primer Mod. '14.
¶ A supply of approximately 700 Class B Navy projectiles, Mk. IX, Mod. 2, Drawing 54671, are on hand to be used as a substitute for 75-11-48 for target practice.

⊙ Some pyro powder charges are on hand available for issue.
x Shipped uncrated with rope grommet.
Note For igniter protector caps, see Drawings 71-9-34 and 71-9-155.

Issued - August 15, 1924.

Revised - February 1, 1941.

6-IN. GUN

- S - Issue
- M - Manufacture
- S.S. - Single section
- N.C. - Nitrocellulose or pyrocellulose powder
- N.H. - Nonhygroscopic powder
- B.D. - Base detonating
- C.I. - Cast iron
- A.P. - Armor piercing
- Elec - Electric
- Comb - Combination electric and percussion
- S.C.S. - Cartridge storage case

Issued - August 15, 1924.

Revised - September 1, 1942.

AMMUNITION (SEPARATE LOADING) FOR 16-INCH HOWITZER, MODEL 1920

16-IN. HOW.

NOTES	CANNON	Complete Round Drg. No.	PROJECTILE										FUZE			CARTRIDGE BAG		PROPELLING CHARGE		PRIMER			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																				
			Kind	Type	Designation	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting											Designation	Type	Drg. No.	Type	Drg. No.		Nominal Weight	Kind	Type	Mk. or Mod.	Drg. No.	Fuze	Case or C.S.C.	Primer	Projectile or Round																																																																																																																																																																																																																																																																																																																																																																																											
								Wt.	Kind	Drg. No.		Type	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.												Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.</

S - Issue
M - Manufacture
N.C. - Nitrocellulose or pyrocellulose powder
C.I. - Cast iron
B.D. - Base detonating
A.P. - Armor piercing

% - Unserviceable A.P. projectiles may be used for target practice in lieu of cast-iron projectiles.
* - Shipped uncased with rope grommet.
B & I - Base and increment
Comb. - Combination electric and percussion.
C.S.C. - Cartridge storage case
Note - For igniter protector caps see Drawings 71-9-34 and 71-9-155.

Issued - August 15, 1924.
Revised - January 1, 1940.

FRAGMENTATION BOMBS

[illegible]

S - Issue
M - Manufacture

NOTE - For Armings, Wire Assemblies see Drawing 82-3-234.
- Nose Fuse, M10 May be used for Container See Drg. 76-1-343.
- Nose Fuse, AN-M120 May be used.
@ - Nose Fuse, AN-M104, for Container see Drg. 76-1-279
+ - Parachute, Drg. 82-3-265.
** - Fin, Drg. 82-3-276.
\$ - Detonator, M13, Drg. 82-3-282.
- Detonator, M19A1, Drg. 73-2-186.
o - Parachute, Drg. 82-3-400.
" - Packing and Marking Drg. 20-4-241.
"" - Packing and Marking Drg. 20-4-229.

ISSUED - August 15, 1924

REVISED - 1 August 1943

ADAPTER CLUSTERS FOR BOMBS

NOTES	BOMB					ADAPTER, CLUSTER		FIRING MECHANISM		CARTRIDGE			PACKING BOXES OR CRATES		Assembly No.
	Cluster	Drg. No.	Type	No. per Cluster	Assembly Complete Drg. No.	M-No.	Drg. No.	M-No.	Drg. No.	M-No.	Drg. No.		Cluster Drg. No.		
S & M	M1	82-0-56	20-lb., Frag., M41	6	82-0-39	M1	82-3-312	M1	82-3-314	M6	82-3-315		76-16-262		1
S & M	M2	82-0-56	20-lb., Prac., M48	6	82-0-44	M1	82-3-312	M1	82-3-314	M6	82-3-315		76-16-262		2
S & M	M3	82-0-54	30-lb., Frag., M5	6	82-0-19	M2	82-3-300	M2	82-3-314	M7 *	82-3-319		76-16-286		3

S - Issue
M - Manufacture

* - Cartridge (3. Sec. Delay).

Issued - December 15, 1941.

SHEET NO. 28A

DEMOLITION AND GENERAL PURPOSE BOMBS--SMALL

NOTES	BOMB							ADAPTER-BOOSTERS				FUZE				PRIMER-DETONATORS				PACKING						Assembly No.
	Type	Assembly complete Drg. No.	Drg. No.	Weight loaded and fuze	Charge			Nose		Tail		Nose		Tail		Nose		Tail		Bomb	Fuze		Primer-Detonators			
					Weight	Kind	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Mk.	Drg. No.	Designation	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.		Nose	Tail	Nose	Tail		
				Lb.	Lb.			#	%					C **												
S	100-lb., M30 *	82-0-12	82-3-187	102	56.6	Amatol	82-14-8	#	%		M102	82-3-129	AN-M103	73-8-14	AN-M100A2	73-8-3			M14	73-8-67	76-16-219	76-16-211	76-16-166		76-7-649	1
S & M	100-lb., AN-M30 (G.P.)	82-0-12	82-3-187	106.6	54.2	Amatol	82-14-8	#	%		M102	82-3-129	AN-M103	73-8-14	AN-M100A2	73-8-3			M14	73-8-67	76-16-219	76-16-211	76-16-166		76-7-649	2

S - Issue
M - Manufacture
G.P. - General Purpose

Note: - For Arming Wire Assemblies see Drg. 82-3-234.
 ** - Tail Fuze M112A1(73-8-112) is an additional type for 100-lb., G.P. Bomb.
 Tail Fuze M106, M106A1 and M106A2 may be used.
 # - Auxiliary Booster M104, Drg. 82-3-212 (1 required) for Packing, see Drg. 76-16-222.
 % - Fuze Seat Liner, See Drg. 82-3-182.
 ‡ - Nose Fuze, AN-M103, for Container, see Drg. 76-1-262.
 * - Band, Suspension, M1, See Drg. 82-3-308 (for use on dive bombers only.)
 b - Primer, Detonator, M14, Drg. (73-8-68) Can, Packing, Drg. 76-7-648.
 (73-8-67)
 (73-8-70)
 (May be used in Tail Fuze AN-M100A1 and AN-M100A2; Fuze equipped with .025 sec. Delay.
 @ - Tail, Fuze AN-M100A1 and AN-M100A2 for container, See Drg. 76-1-222.
 C - Tail Fuze AN-M100A1 can be used.

Issued - August 15, 1924.
 Revised - 1 August 1943

DEMOLITION AND GENERAL PURPOSE BOMBS

[illegible]

S - Issue
M - Manufacture
GP - General Purpose
LC - Light Case
AN - Army, Navy

Notes: - For Arming Wire Assemblies, see Drg. 82-3-234, Packing Drg. 76-1-522

- a - Alternative Crates:
 - 250 Lb. Drg. 76-16-310
 - 500 Lb. Drg. 76-16-312
 - 1000 Lb. Drg. 76-16-314
 - 2000 Lb. Drg. 76-16-307
- b - Also adapted for Fuse, AN-MK 230 (Navy) Drg. 344,435.
- c - Auxiliary Booster, M11, Drg. 82-3-307
- d - Primer Detonator, M14
 - (73-8-67; 1 Sec. Delay)
 - Can, Packing, Drg. 76-7-648 (73-8-68; .01 Sec. Delay)
 - (73-8-70; Non-Delay)
- (May be used in tail fuses AN-M100A1, AN-M10A1 & AN-M100A1;
Fuse equipped with .025 sec. delay.)
- e - Primer Detonator, M11, Non-Delay issued with Fuse for this bomb.
- f - Some Bombs loaded with TNT.
- g - Auxiliary Booster, M104, Drg. 82-3-212 (2-Required), one on nose,
one on tail; for Packing see Drg. 76-16-201.
- h - Fuse Seat Liner, See Drg. 82-3-182.
- i - Nose Fuse, AN-M103 for Container, See Drg. 76-1-262.
- ## - Comp. B, also used.

- * - Following Fuzes also may be used:
 - MI21A1 - With MI61 Primer Detonator, 8 to 15 or 4 to 5 sec. delay.
 - MI23 - With 1, 2, 6, 12, 24, 36, 72 or 144 hours delay.
 - AN-MI00A1 (Note "d" applies)
- ** - Following Fuzes also may be used:
 - MI31A1 - With MI61 Primer Detonator, 8 to 15 or 4 to 5 Sec. Delay.
 - MI24 - With 1, 2, 6, 12, 24, 36, 72 or 144 hours delay.
 - AN-MI01A1 (Note "d" applies)
- *** - Following Fuzes also may be used:
 - MI11A1 - With MI61 Primer Detonator, 8 to 15 or 4 to 5 sec. delay.
 - MI25 - With 1, 2, 6, 12, 24, 36, 72 or 144 hours delay.
 - AN-MI02A1 (Note "d" applies)
- o - Band, Trumion, MI1A1, See Drg. 82-3-309, (For use on Dive Bombers Only.)
- oo - Band, Trumion, MI2A1, See Drg. 82-3-310, (For use on Dive Bombers Only.)
- ooo - Band, Trumion, AI-W7, See Drg. 82-3-321, (For use on Dive Bombers only.)
- oooo - Band, Trumion, AI-W8, See Drg. 82-3-325, (For use on Dive Bombers only.)
- # - Tail Fuzes AN-MI02A2 & MI21A1, for Container, see Drg. 76-1-222.
- Tail Fuzes AN-MI01A2 & MI31A1, for Container, see Drg. 76-1-224.
- Tail Fuzes AN-MI02A2 & MI1A1, for Container, see Drg. 76-1-225.
- \$ - AN-MI02A1 Fuse may be used with MI1, Non-Delay Primer Detonator.
- @ - Fuse, MI32 may also be used.
- ⊙ - Fuse, MI33 may also be used.
- % - Fuse, MI34 may also be used.

ISSUED - August 15, 1924.
REVISED - May 1, 1944.

SHEET NO. 30

ARMOR PIERCING & SEMI-ARMOR PIERCING BOMBS

NOTES	BOMB							ADAPTER-BOOSTERS		FUZES				PRIMER-DETONATORS				PACKING						ASSEMBLY NO.
	TYPE	ASSEMBLY COMPLETE DRG. NO.	DRG. NO.	WEIGHT LOADED & FUZED LB.	CHARGE			TAIL		NOSE		TAIL		NOSE		TAIL		BOMB		FUZE		PRIMER-DETONATOR		
					WEIGHT LB.	KIND	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	BODY DRG. NO.	FIN ASSEMBLY DRG. NO.	NOSE DRG. NO.	TAIL DRG. NO.	NOSE DRG. NO.	TAIL DRG. NO.	
S	500-lb. AN-M58 (S.A.P.) ^{oo}	82-0-61	82-3-323	486.	160.	T.N.T. %	82-14-31	M102 #	82-3-129	#		AN-M101A2 **	73-8-7 ^b			M14	73-8-69 ^g	76-39-11	76-16-271 [*]		76-16-166 ^{##}		76-7-649	1
S & M	500-lb. AN-M58A1 (S.A.P.) ^{oo}	82-0-61	82-3-323	508.	150.5	T.N.T. %	82-14-31	M102 #	82-3-129	#		AN-M101A2 **	73-8-7 ^b			M14	73-8-69 ^g	76-39-11	76-16-271 [*]		76-16-166 ^{##}		76-7-649	2
																								3
S	600-lb. M62 (A.P.) ^{oo}	82-0-68	75-9-15	634.	33.61	Expl. D	82-14-35	M110	82-3-289			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-281 [*]		76-16-166 ^{##}		76-7-649	4
S	600-lb. M62A1 (A.P.) ^{oo}	82-0-68	75-9-15	635.	33.61	Expl. D	82-14-35	M113	82-3-343			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-281 [*]		76-16-166 ^{##}		76-7-649	5
S & M	600-lb. M62A2 (A.P.) ^{oo}	82-0-68	75-9-15	634.	33.61	Expl. D	82-14-35	M114	82-3-344			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-281 [*]		76-16-166 ^{##}		76-7-649	6
																								7
S & M	800-lb. M61 (A.P.) ^o	82-0-78	75-12-3	853.	32.68	Expl. D	82-14-41	M116	82-3-367			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-251 [*]		76-16-166 ^{##}		76-7-649	8
																								9
S & M	900-lb. M60 (A.P.) ^o	82-0-77	75-10-21	889.	43.34	Expl. D	82-14-40	M110	82-3-289			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-251 [*]		76-16-166 ^{##}		76-7-649	10
																								11
S	1000-lb. M52 (A.P.)	82-0-58	75-12-4	1078.	58.35	Expl. D	82-14-28	M110	82-3-289			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-251 [*]		76-16-166 ^{##}		76-7-649	12
S & M	1000-lb. M52A1 (A.P.)	82-0-58	75-12-4	1078.	58.52	Expl. D	82-14-28	M112	82-3-342			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-251 [*]		76-16-166 ^{##}		76-7-649	13
S & M	1000-lb. AN-M59 (S.A.P.) ^{ooo}	82-0-62	82-3-329	1000.5	313.5	T.N.T. %	82-14-32	M102 #	82-3-129	#		AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g	76-39-12	76-16-277 [*]		76-16-166 ^{##}		76-7-649	14
S & M	1000-lb. AN-MK33 (A.P.)	Navy 301,092	Navy 329,432	1008.	142.	Expl. D	Navy 301,091					AN-MK. 28	Navy 236,220					Navy 328,382						15
																								16
S & M	1400-lb. M63 (A.P.) [@]	82-0-72	75-11-53	1412.	35.	Expl. D	82-14-36	M110	82-3-289			AN-M102A2 ***	73-8-8 ^c			M14	73-8-69 ^g		76-16-300 [*]		76-16-166 ^{##}		76-7-649	17
																								18
S & M	1600-lb. AN-MK.1 (A.P.)	Navy 329,431	Navy 329,974	1613.	228.	Expl. D	Navy 328,867					AN-MK. 28	Navy 236,220					Navy 300,211						19

S - Issue
M - Manufacture
A.P. - Armor Piercing
S.A.P. - Semi-Armor Piercing

Note - For Arming Wire Assemblies, see Drg. 82-3-234.
- Fuze Seat Liner, Drg. 82-3-182; Nose Plug, Drg. 82-3-326.
% - Amatol Loading may be used.
- Auxiliary Booster, M104, Drg. 82-3-212 (1 Required)
One on Tail; For Packing see Drg. 76-16-201.
- Tail Fuze AN-M101A1 & AN-M101A2 Container Drg. 76-1-224.
Tail Fuze AN-M102A1 & AN-M102A2 Container Drg. 76-1-225.
Tail Fuze M106, M106A1 or M106A2 (for issue only) may be used for special purposes, Container Drg. 76-1-284.
o - Band, Trunnion, M3A1, Drg. 82-3-334 (for use on Dive Bombers only)
oo - Band, Trunnion, M1, Drg. 82-3-338 (for use on Dive Bombers only)

ooo - Band, Trunnion, M5, Drg. 82-3-339 (for use on Dive Bombers only).
@ - Band, Trunnion, M1A1, Drg. 82-3-309 (for use on Dive Bombers only).
@@ - Band, Trunnion, M6, Drg. 82-3-340 (for use on Dive Bombers only).
* - Container for Vane Assembly, Drg. 76-1-393.
** - Tail Fuze M113, Drg. 73-8-114 may be used) Primer Detonator M16A1, Drg. 73-8-83 & 73-8-84.
*** - Tail Fuze M111A1, Drg. 73-8-116 may be used)
\$ - Primer Detonator, M14:-
(73-8-67; .1 Sec. Delay)
Drg. (73-8-68; .01 Sec. Delay) Can, Packing, Drg. 76-7-648
(73-8-70; Non-Delay)
(May be used in Tail Fuzes AN-M101A1, AN-M101A2, AN-M102A1, and AN-M102A2; Fuzes equipped with .025 Sec. Delay),
b - Tail Fuzes AN-M101A1 may be used, also Fuzes M106, M106A1, or M106A2 (for issue only) may be used for special purposes.
c - Tail Fuzes AN-M102A1 may be used, also Fuzes M106, M106A1, or M106A2 (for issue only) may be used for special purposes.

Issued - Dec. 15, 1941

Revised - 1 August 1943

NAVY DEPTH BOMBS, AIRCRAFT MINES AND TORPEDOES

[illegible]

S - Issue
M - Manufacture

- a - Two required for Fuse, AN-Mk. 219.
 - One required when AN-M103 Fuse is used.
- (b) - AN-M103 Fuse may be used.
- c - Fuse, AN-Mk. 224, Stock on hand may be used.
- d - Body, Rim Guard.
- e - Earlier models are designated AN-Mk. 26 and AN-Mk. 13, Mod. 1
- f - Depth Bomb, 325 Lb., AN-Mk. 17, Mod. 1 formerly shown on Sheet No. 30 issued August 15, 1924.

ISSUED - May 1, 1944

CHEMICAL BOMBS

NOTES	BOMB							ADAPTER-BOOSTERS OR BURSTERS				FUZES				PRIMER -- DETONATORS				PACKING				ASSEMBLY NO.		
	TYPE	ASSEMBLY COMPLETE DRG. NO.	DRG. NO.	WEIGHT LOADED AND FUZE (LB.)	CHARGE			NOSE		TAIL		NOSE		TAIL		NOSE		TAIL		BOMB		FUZE			PRIMER-DETONATORS	
					WEIGHT (LB.)	KIND	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	DESIGNATION	DRG. NO.	MK.	DRG. NO.	DESIGNATION	DRG. NO.	BODY DRG. NO.	FIN ASSEMBLY DRG. NO.	NOSE DRG. NO.	TAIL DRG. NO.		NOSE DRG. NO.	TAIL DRG. NO.
S. & M.	100-Lb. M47A2	82-0-80	82-3-277	129.	100	WP	82-14-42	M4 a	82-3-281			AN-M12SA ^b	73-8-167							76-16-243		76-16-376				1
S	100-Lb. M47A2	82-0-40	82-3-277	98.	68.5	H	82-14-24	M4 a	82-3-281			AN-M12SA ^b	73-8-167							76-16-243		76-16-376				2
																										3
S & M	115-Lb. M70	82-0-83	82-3-382	126.	60.6	H	82-14-44	M10 a	82-3-385			AN-M10A1	73-8-77							82-3-390		76-16-333				4
																										5
																										6
S & M	500-Lb. M78	82-0-115	82-3-487	383.	100.	AC	82-14-51	M15 a	82-3-422	M15A1 ^e	82-3-356	AN-M103 ^d	73-8-14	AN-M101A2 ^{oo}	73-8-181*			M14	73-8-70	76-39-17	76-16-269 ^g	76-16-211 ^h	76-16-166 ^o		76-7-649 ^f	7
S & M	500-Lb. M78	82-0-115	82-3-487	488.	205.	CG	82-14-51	M15 a	82-3-422	M15A1 ^e	82-3-356	AN-M103 ^d	73-8-14	AN-M101A2 ^{oo}	73-8-181*			M14	73-8-70	76-39-17	76-16-269 ^g	76-16-211 ^h	76-16-166 ^o		76-7-649 ^f	8
																										9
S & M	1000-Lb. AN-M79	82-0-98	82-3-416	722.	200.	AC	82-14-46	AN-M16 a	82-3-422	M15A1 ^e	82-3-356	AN-M103 ^d	73-8-14	AN-M102A2 ^{oo}	73-8-72*			M14	73-8-70	76-39-18	76-16-273 ^g	76-16-211 ^h	76-16-166 ^o		76-7-649 ^f	10
S & M	1000-Lb. AN-M79	82-0-98	82-3-416	939.	417.	CG	82-14-46	AN-M16 a	82-3-422	M15A1 ^e	82-3-356	AN-M103 ^d	73-8-14	AN-M102A2 ^{oo}	73-8-72*			M14	73-8-70	76-39-18	76-16-273 ^g	76-16-211 ^h	76-16-166 ^o		76-7-649 ^f	11

S - Issue
M - Manufacture

NOTE - For Arming Wire Assemblies, see Drawing 82-3234.

- a - Packing Box Drg's. 76-16-249, for M4 & M10 Burstors.
- a - Packing Box Drg's. 76-1-622, for M15 & AN-M16 Burstors.
- b - Detonator, M28 Drg. 73-2-199.
- c - Fuse AN-M126 may be used. Packing Drg. 76-16-244.
- d - Instantaneous setting. Fuse M103 (Instantaneous) may be used, also Fuse M127, Drg. 73-0-179 may be used for special purposes with Adapter-Booster M113.
- e - M115 Adapter-Booster may be used.
- f - Can, Packing, Drg. 76-7-648.
- g - Alternative Pin Crates:
 - 500 Lb. Drg. 76-16-312
 - 1000 Lb. Drg. 76-16-314
- h - For Fuse Container see Drg. 76-1-262.
- o - Tail Fuse AN-M101A2 Container Drg. 76-1-224.
- o - Tail Fuse AN-M102A2 Container Drg. 76-1-225.

- oo - Tail Fuze AN-M101A1 (Non-Delay) may be used for 500 Lb.
Tail Fuze AN-M102A1 (Non-Delay) may be used for 1000 Lb.
- * - Primer Detonator, M4, Non-Delay issued
with fuze for this bomb.

ISSUED - January 2, 1930

REVISED - May 1, 1944

PRACTICE AND TARGET BOMBS.

NOTES	BOMB									ADAPTER-BOOSTERS		FUZES				PRIMER-DETONATORS			PACKING						Assembly No.	
	TYPE	Assembly Complete Drg. No.	DRG. NO.	Weight Loaded and Fused Lb.	Spotting Charge			Inert Charge		TAIL		NOSE		TAIL		NOSE	TAIL		BOMB Drg. No.	FUZE		PRIMER-DETONATORS				
					Type	Drg. No.	Wt. Lb.	Wt. Lb.	Kind	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Designation		Designation	Drg.No.		Body Drg. No.	Nose Drg. No.	Tail Drg. No.	Nose Drg. No.	Tail Drg. No.		Container Drg. No.
S & M	Prac., Miniature 3-lb. AN-Mk 5, Mod. 1	Navy 227620		2.7	(k) AN-Mk 4	Navy 142,244	.12					Navy 227620		None												1
S & M	Prac., Miniature 3-lb. AN-Mk 23	Navy 294283		3.0	(k) AN-Mk 4	Navy 142,244	.12					Navy 330410		None												2
																										3
S & M	Prac., Miniature 4½ lb., AN-Mk 43	Navy 330409		4.4	(k) AN-Mk 4	Navy 142,244	.12					Navy 330410		None												4
																										5
S	Prac. 17 lb. M37 (g) (1)	82-0-26	82-3-206	22.5	----	76-2-175	.75					73-8-22	M104 Practice						(76-16-194) (76-16-195)	76-16-223						6
																										7
S	Prac., 20 lb., AN-M48 (e)	82-0-44	82-3-282	19.7	---	82-3-270 (f)	.13					73-8-77	(b) (d) AN-M110A1						76-16-242	76-16-333						8
																										9
S & M	Prac., 23 lb., M71A1 (h)	82-0-91	82-3-253	21.1		None						None		None					20-4-386							10
S & M	Prac., 23 lb., M73A1 (j)	82-0-91	82-3-253	21.		None						None		None					20-4-386							11
																										12
																										13
S & M	Prac., 100 lb., M38A2 (c)	82-0-23	82-3-213	100.	M1A1 (a)	82-3-228	4.25	80	Sand			None		82-3-228	(a)				76-16-391		76-16-214					14
S & M	Prac., 100 lb., M85	82-0-96	82-3-405	103.5	M1A1 (a)	82-3-228	4.25					None		82-3-228	(a)				82-3-407		76-16-214					15
S & M	Target, Prac., 100 lb., M75 (m)	82-0-97	82-3-409	101.2	-----	82-14-45	72.					M108	73-8-44	None					76-16-409	76-16-238						16
																										17
																										18

S - Issue.
M - Manufacture.
Prac. - Practice.

- (a) - Spotting Charge, M3 and M4 also may be used. Drgs. 82-3-402 and 82-3-496 respectively.
(b) - Nose Fuse, M110 may be used for container, See Drg. 76-1-343.
(c) - Band, Suspension, M1, Drg. 82-3-308 (for use on Dive Bombers only).
(d) - Uses Detonator, M13, Drg. 82-3-282
(e) - Pin, Drg. 82-3-276.
(f) - Spotting Charge, for Container, Fiber, M46A1, See Drg. 76-1-602; for Packing Box, see Drg. 76-16-255.
(g) - Parachute Unit, Drg. 82-3-259.
(h) - Parachute Unit M3, Drg. 82-3-265.
(j) - Parachute Unit, M4, Drg. 82-3-400.
(k) - Signal, Miniature Practice Bomb, Fluorescein, AN-Mk 5. Mod. 0 also used. Bureau of Ordnance Drg. 344644.
(l) - Furnished without Spotting Charge and Fuse.
(m) - Uses Burst, M4, Drg. 82-3-281.

ISSUED - September 6, 1924

REVISED - October 16, 1944

GRENADES--HAND AND RIFLE

NOTES	NOMENCLATURE	DESIG- NATION	COMPLETE ROUND DRG. NO.	METAL PARTS OR ASSEMBLIES DRG. NO.	WEIGHT LOADED AND FUZED	CHARGE			FUZE, OR FUZE AND STABILIZER ASSEMBLY		RIFLE RODS	CARTRIDGE		PACKING					REMARKS	Assembly No.
														Grenade		Fuze Assembly	Rifle Rods and Blank Cartridge			
						Box	Fiber Container	Box	Box											
						Weight	Kind	Drq. No.	Design- nation	Drq. No.		Drq. No.	Kind	Drq. No.	Drq. No.	Drq. No.	Drq. No.	Drq. No.		
S	Grenade, hand, fragmentation.	Mk. II		82-1-15	22.0	Os. 1.85	TNT		M5	82-1-30				76-16-1		76-16-40		Unfuzed	Wrench needed	1
S & M	Grenade, hand, fragmentation.	Mk. II	82-0-41	82-1-15	21.0	.74	E.C.	82-0-41	M10A2	82-1-46				76-16-187	76-1-250	76-16-189		Fuzed		2
S & M	Grenade, hand, offensive.	Mk.IIIA1	82-0-70	82-1-22	14.0	6.83	TNT	75-14-346	M6A2	82-1-31	-----	---	-----	76-16-299	-----	76-16-189	-----	Unfuzed	Wrench needed	3
®S & M	Grenade, A. T.	M9A1	82-0-67	82-1-76	21.0	4.0	Pentolite	82-14-34	-----	73-1-189	-----		H173949	76-1-410	76-1-411	-----		Complete		4
S & M	Grenade, hand, irritant.	M6	82-0-9	82-1-58	17.0	9.87	C.N.-D.M.	75-14-187	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		5
S & M	Grenade, hand, tear.	M7	82-0-10	82-1-59	17.0	9.87	C.N.	75-14-188	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		6
S & M	Grenade, hand, smoke.	M8	82-0-11	82-1-60	28.0	18.86	H.C.	75-14-189	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		7
§S	Grenade, hand, practice.	Mk. II	82-0-1	82-1-48	20.5	.05	Black powder		M10A2	82-1-46				76-16-187	76-1-250	76-16-189		Fuzed		A
®S & M	Grenade, A. T., Practice.	M11A1	82-0-73	82-1-79	21.0	---	Inert	-----	-----	82-1-79	-----		H173949	76-1-432	76-1-433	-----		Complete		B
S & M	Grenade, hand, training.	Mk. 1A1	-----	82-1-7	22.0									76-16-1				Complete		C

S - Issue
M - Manufacture
E.C. - Commercial blank fire powder
TNT - Trinitrotoluene

" - To be propelled from U. S. Rifle (Caliber .30).
§ - Uses grenade, hand, fragmentation, body Mk. II, Drg. 82-1-15.
® - Used with launcher M1, Drg. B 200,926.

Issued - September 6, 1924.

Revised - September 1, 1942.

SUBCALIBER AMMUNITION FOR FIELD ARTILLERY AND SEACOAST GUNS AND MORTARS

NOTES	CANNON SUBCALIBERED	SUBCALIBER GUN	COM- PLETE ROUND DRG. NO.	PROJECTILE								FUZE			CARTRIDGE CASE		WEIGHT OF PRO- PELLING CHARGE	PRIMER			PACKING BOX			REMARKS					
				Kind	Type	Designa- tion	Drg. No.	Weight loaded and fuzed	Charge		Material	Forging or Casting		Designa- tion	Type	Drg. No.		Designa- tion	Drg. No.	Type ***	Designa- tion	Drg. No.	Primer		Shipped				
									Weight	Kind		Type	Drg. No.										Drg. No.			Drg. No.	Drg. No.	Drg. No.	Drg. No.
S	75-mm. 1897	0.22		Bullet				Cr.	Lb.								Gr.										1		
S	3" (15-pdr.) M. '02	X .30	75-1-76	Bullet			B10986	174									B6145	35			A34367			76-6-44	Fixed		2		
S & M	3" (15-pdr.) M. '03	X .30																											
**S & M	2.95-in., V.M.	37-mm.																											
**S & M	75-mm. howitzer M1	37-mm.																											
S & M	75-mm., '16 and '17	37-mm.			Shell	L.E.	Mk. I	75-2-166	1.097	0.034	Black powder	Steel	Bar	Stock	Mk. I	B.P.	73-2-42	Mk. IA2	71-2-73	500	20-gr. perc.	M25A1	74-2-37	76-8-53	76-1-38	Fixed		3	***
**S & M	75-mm., 1897 and '97AI	37-mm.			Shell	Practice	Mk. II	75-2-179	1.23	.059	Black powder	Steel	Bar	Stock	M38	Base practice	73-1-160	Mk. IA2	71-2-73	500-590	20-gr. perc.	M25A1	74-2-37	76-8-53	76-1-168	Fixed		4	*
S & M	105-mm. howitzer M2	37-mm.																											
**S & M	155-mm. howitzer	37-mm.																											
**S & M	155-mm. gun	37-mm.																											
S & M	6-in., 1897, '97MI, '08, '08MI and MII	1.457-in.																											
S & M	6-in., 1900 and 1903	1.457-in.																											
S & M	8-in., 1888 gun	1.457-in.																											
S & M	10-in., 1888 and 1895	1.457-in.		Shell			75-13-2	1.057			Steel	Bar	Stock				Mk. III-A2	71-2-48	1,110	20-gr. ignit.	M25A1	74-3-13		76-1-4	Fixed		5	ø	
S & M	10-in., 1900	1.457-in.																											
S & M	12-in., 1888 and 1895	1.457-in.																											
S & M	12-in., 1900	1.457-in.																											
S & M	14-in., '07, '07MI, '09, '10MI, '20	1.457-in.																											
S & M	12-in. mortar, '90, '09MI, '08, and '12	2.95-in.	75-1-43	Shot	Solid		75-13-6	18.00			Steel or cast iron							71-2-11	()	100-gr. ignit.	M24A2	74-3-11		76-1-34	Fixed		6		
**S & M	12-in., 1895, '95MI	75-mm.																											
S & M	14-in., 1910MI	75-mm.		Shell	H.E.	Mk. I	75-2-164	12.18	1.86	Sand	Steel	Forg	75-20-1	Mk. IV**	P.D.	73-1-81		71-2-71	Lb. 1.72	100-gr. perc.	M1B1A1	74-2-32	76-8-29	76-1-66	Fixed		7		
**S & M	14-in., M1920, MII	75-mm.																											
**S & M	16-in., 1919, MII and MIII	75-mm.																											

S - Issue
M - Manufacture
L.E. - Low explosive
H.E. - High explosive
B.P. - Base percussion
P.D. - Point detonating
Peru. - Percussion
Ignit. - Igniting

* Barrel shown on Drawing 42-5-5; adapter on Drawing 63-36-1.
** Exterior mount
ø Use Mk. IIAL cartridge cases until supply is exhausted.
* Use Mk. IAL cartridge cases until supply is exhausted.
** Part of fuze only used to close cavity.
*** Rounds with igniting primers take, in addition, the regular service primer for that weapon.
Subcaliber gun mounted on Mod. 1917 barbette carriage.
To be issued until supply is exhausted.

(Zone 1 - 550 f/s., 4½ oz.
(Zone 2 - 625 f/s., 5 oz.
(Zone 3 - 700 f/s., 6 oz.
ø Mk. I shrapnel, Drawing 75-2-163, may be used if available.
* For issue to National Guard only.
X Barrel chambered same as U.S. rifle M1898.
ø Older type ammunition M1906, Drawing B44, may be used.
o 22-caliber long rifle, commercial ammunition used.

Issued - August 29, 1924.

Revised - January 1, 1940.

BLANK AMMUNITION

NOTES	NOMENCLATURE	COMPLETE ROUND DRG. NO.	CARTRIDGE CASE			PRIMER			BAG		CUP		PACKING BOX		REMARKS	Assembly No.
			Design- nation	Drg. No.	Weight of Charge Lb.	Type	Design- nation %	Drg. No.	Material	Drg. No.	Material	Drg. No.	No. of rounds	Drg. No.		
S & M	Adapter, M1 for 37 M/M Field Gun, M1916	75-1-118												76-7-630@	Use Commercial No. 10 Gage Blank Cartridge	1
S & M	Adapter, M2 for 37 M/M Guns, M3, M5, & M6	75-1-119												76-7-632@	Use Commercial No. 10 Gage Blank Cartridge	2
S & M	75 M/M Field Gun, M1897, M1916, & M1917	75-1-67	M9A1	71-2-99	.87"	100-gr. perc.	M1B1A2	74-2-32	-----	-----	Pulpboard	75-1-67	20	76-1-159		3
S & M	75 M/M Field Gun, M1897, M1916, & M1917	75-1-107	M9A1	71-2-99	.43#	100-gr. perc.	M1B1A2	74-2-32	-----	-----	Pulpboard	75-1-107	20	76-1-159		4
S & M	75 M/M Howitzer, M1, & M1A1	75-1-67	M9A1	71-2-99	.87"	100-gr. perc.	M1B1A2	74-2-32	-----	-----	Pulpboard	75-1-67	20	76-1-159		5
§ S & M	3 inch Field Gun M1902, M1904, and M1905	75-1-67	M9A1	71-2-99	.87"	100-gr. perc.	M1B1A2	74-2-32	-----	-----	Pulpboard	75-1-67	20	76-1-159		6
§ S & M	3 inch Field Gun M1902, M1904, and M1905	75-1-107	M9A1	71-2-99	.43#	100-gr. perc.	M1B1A2	74-2-32	-----	-----	Pulpboard	75-1-107	20	76-1-159		7
S & M	3-inch 15-pdr., (M1903) and A.A. gun (M1917, M17A2, M17M1, M17M1A2, M17M1T, M1925M1, M2, and M4).	75-1-32	M12	71-6-19	1.0	100-gr. perc.	M1B1A2	74-2-32	#	75-1-32	Pulpboard	75-1-32	10	76-1-141		8
S & M	3-inch 15-pdr., (M1902) and A.A. gun (M1918, M18M1, M1, and M3).	75-1-33	M13	71-5-6	1.0	100-gr. perc.	M1B1A2	74-2-32	#	75-1-33	Pulpboard	75-1-33	10	76-1-145		9
S & M	105 M/M Howitzer, M2	75-1-42	M15	71-2-108	2.0	100-gr. perc.	M1B1A2	74-2-32	#	75-1-42	Pulpboard	75-1-42	10	76-1-204		10

S - Issue
M - Manufacture
Perc. - Percussion

" Double Pellet
Single Pellet
Cotton sheeting, unbleached; alternative, cartridge bag cloth, grade "E".
@ Storage Chest contains 10 adapters, and 100 No. 10 blank cartridges.
§ These guns rechambered for 75 M/M blank ammunition.
/ Some ammunition on hand assembled with M1B1A1 Primers.

Issued - September 6, 1924.
Revised - September 1, 1942.

PYROTECHNICS

NOTES	PISTOL OR PROJECTOR	COMPLETE ROUND DRG. NO.	NOMENCLATURE	PYROTECHNIC																PACKING		ASSEMBLY NO.	
				DESIG-NATION	WEIGHT LOADED & FUZED LB.	ILLUMI-NANT WEIGHT LB.	PROPELLANT		EXPELLING CHARGE			CASE		IGNITION			PARACHUTE		APPROX. TIME OF BURNING	APPROX. CANDLE-POWER	CONTAINER		BOX
							WT. GR.	KIND	WT. GR.	KIND	DRG. NO.	DRG. NO.	DELAY IN SECS	TYPE	DRG. NO.	DESIG-NATION	DRG. NO.						
S & M	M2 or AN-M8	78-O-11	Flare, Aircraft, Parachute	M9A1 f	2.11	1.11	15.	Army Black Powder	30	Army Black Powder	78-2-164	78-2-164		Perc. M27	74-2-40		78-2-166 ^a	1-minute	60,000	76-1-488	76-16-163	1	
S & M	None	78-O-29	Flare, Aircraft, Parachute	AN-M26	52.5	14.0		None	70	Army Black Powder ^b	73-8-59 ^d	78-2-240	VAR.	Friction	78-2-247		78-2-242 ^c	3-minutues	800,000		76-16-256	2	
S & M	None	Navy 115098	Flare, Aircraft, Parachute	AN-MK.5 Mod. 3	18.							Navy 115103	VAR.		Navy 115100		Navy 115072	3-minutes	350,000			3	
																						4	
																						5	
																						6	
S & M	None	78-O-45	Flare, Trip	M48		0.5	75	Powder	25	Army Black Powder	78-2-320	78-2-319		Perc.	73-9-6		78-2-324	20-sec.	110,000	76-16-345	76-16-347	7	
S & M	None	78-O-43	Flare, Trip	M49	1.41	.7		None		None		78-2-311		Perc.Mk.V	74-2-27			55-sec.	40,000		76-16-349	8	
																						9	
S & M	None	78-O-44	Flare, Tow Target	M50	7.13	5.5		None		None		78-2-318		Friction	78-2-316			6-minutes	50,000 75,000	76-1-519	76-16-348	10	
																						11	
																						12	
S & M	None	78-O-35	Bomb, Photo-Flash	M46	51.9	25.0		None		None		78-2-281	VAR.	M. T.	73-8-121 ^u						76-16-325	13	
																						14	
S	Mk III or M5	78-O-26	Light, Signal, Very, Red Star	Mk II	.06	.022	10.	Army Black Powder				78-2-238		Perc.	78-2-238			7-seconds	300	76-1-349	76-16-246	15	
S	Mk III or M5	78-O-27	Light, Signal, Very, White Star	Mk II	.06	.022	10.	Army Black Powder				78-2-238		Perc.	78-2-238			6-seconds	250	76-1-349	76-16-246	16	
S	Mk III or M5	78-O-28	Light, Signal, Very, Green Star	Mk II	.06	.029	10.	Army Black Powder				78-2-238		Perc.	78-2-238			5-seconds	600	76-1-349	76-16-246	17	
S & M	None	78-O-68	Marker, Slick	AN-M59	2.9			None		None		78-2-356		None							76-16-361	76-16-363	18
																						19	
S & M	None	Navy 328244	Signal, Drift, Day	AN-Mk I	2.5 ^e																76-16-340	20	
S & M	None	Navy 181709	Signal, Drift, Night	AN-Mk 4	2.0	.33		None		None			10.	Perc.				3-minutes				21	
S & M	None	Navy 344551	Signal, Drift, Night	AN-Mk 5 Mod. 1	3.0	.99		None		None			9.	Perc.				16-minutes				22	
							</																

S - Issue
M - Manufacture
Perc. - Percussion
Gr - Grains
Var. - Variable
M.T. - Mechanical Time

a - Alternative Parachute Assembly, Drg. 78-2-294
b - Fuse, Flare, Mechanical Time, M11A2 (Can, Packing, 76-1-573)
Drg. 73-8-121 (Box, Packing, 76-16-355)
also uses Fuse, Flare, Mechanical Time, M11A1 (Can, Packing 76-1-355)
Drg. 73-8-53 (Box, Packing, 76-16-217)
with Mechanical Time Mechanism (both fuses) - (Can, Packing 76-7-616)
(Box, Packing, 76-7-617)

- c - Alternative Parachute Assemblies, Drg. 78-2-255 or Drg. 78-2-345
- d - Uses same Expelling Charge when either M11A1 or M11A2 Fuze is used.
- e - Also 2 lb. signal of same type may be used, for packing

See Drg. 76-16-341.

- f - Some stocks of M9 on hand. Fired in M2 Pistol only.

ISSUED - June 29, 1929

REVISED - May 1, 1944

PYROTECHNICS

NOTES	PROJECTOR OR LAUNCHER	COM- PLETE ROUND DRG.NO.	NOMENCLATURE	PYROTECHNIC														PACKING		ASSEMBLY NO.		
				DESIG- NATION	WEIGHT LOADED & FUZED (LB.)	ILLUMI- NANT WEIGHT (LB.)	PROPELLANT		EXPELLING CHARGE		CASE		IGNITION		PARACHUTE		APPROX. TIME OF BURNING	APPROX. CANDLE POWER	CONTAINER		BOX	
							WT. (GR.)	KIND	WT. (GR.)	KIND	DRG.NO.	DRG. NO.	DELAY IN SEC.	TYPE	DRG. NO.	DESIG- NATION						DRG. NO. #
S	M3 or M4	#	78-0-17	Signal, Ground, White Star, Parachute	M17	.68	.16	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-211	78-2-212	5.5	Perc.,No.4	74-2-26	78-2-128	25 Sec.	20,000	76-1-309	76-16-232	1
S	M3 or M4	#	78-0-18	Signal, Ground, White Star, Cluster	M18	.74	.25	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-229	78-2-212	5.5	Perc.,No.4	74-2-26	None	6 Sec.	18,000	76-1-309	76-16-232	2
S	M3 or M4	#	78-0-19	Signal, Ground, Green Star, Parachute	M19	.66	.16	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-211	78-2-212	5.5	Perc.,No.4	74-2-26	78-2-128	25 Sec.	5,000	76-1-309	76-16-232	3
S	M3 or M4	#	78-0-20	Signal, Ground, Green Star, Cluster	M20	.74	.25	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-229	78-2-212	5.5	Perc.,No.4	74-2-26	None	6 Sec.	7,000	76-1-309	76-16-232	4
S	M3 or M4	#	78-0-21	Signal, Ground, Amber Star, Parachute	M21	.64	.13	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-211	78-2-212	5.5	Perc.,No.4	74-2-26	78-2-128	25 Sec.	4,000	76-1-309	76-16-232	5
S	M3 or M4	#	78-0-22	Signal, Ground, Amber Star, Cluster	M22	.71	.22	31.6	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-229	78-2-212	5.5	Perc.,No.4	74-2-26	None	6 Sec.	2,000	76-1-309	76-16-232	6
S & M	M1, M7 or M8	#	78-0-37	Signal, Ground, White Star, Parachute	M17A1	1.04	.16	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-308	6.	Cart. *	B-173949	78-2-353	25 Sec.	20,000	76-1-497	76-16-232	7
																						8
S & M	M1, M7 or M8	#	78-0-54	Signal, Ground, White Star, Parachute	M17A1B2		.16	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-331	6.	Cart. *	B-173949	78-2-353	25 Sec.	20,000	76-1-528	76-16-354	9
S & M	M1, M7 or M8	#	78-0-38	Signal, Ground, White Star, Cluster	M18A1	1.09	.25	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-308	6.	Cart. *	B-173949	None	7 Sec.	18,000	76-1-497	76-16-232	10
																						11
S & M	M1, M7 or M8	#	78-0-55	Signal, Ground, White Star, Cluster	M18A1B2		.25	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-331	6.	Cart. *	B-173949	None	7 Sec.	18,000	76-1-528	76-16-354	12
S & M	M1, M7 or M8	#	78-0-39	Signal, Ground, Green Star, Parachute	M19A1	1.02	.16	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-308	6.	Cart. *	B-173949	78-2-353	25 Sec.	5,000	76-1-497	76-16-232	13
																						14
S & M	M1, M7 or M8	#	78-0-56	Signal, Ground, Green Star, Parachute	M19A1B2		.16	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-331	6.	Cart. *	B-173949	78-2-353	25 Sec.	5,000	76-1-528	76-16-354	15
S & M	M1, M7 or M8	#	78-0-40	Signal, Ground, Green Star, Cluster	M20A1	1.09	.25	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-308	6.	Cart. *	B-173949	None	7 Sec.	7,000	76-1-497	76-16-232	16
																						17
S & M	M1, M7 or M8	#	78-0-57	Signal, Ground, Green Star, Cluster	M20A1B2		.25	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-331	6.	Cart. *	B-173949	None	7 Sec.	7,000	76-1-528	76-16-354	18
S & M	M1, M7 or M8	#	78-0-41	Signal, Ground, Amber Star, Parachute	M21A1	1.00	.13	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-308	6.	Cart. *	B-173949	78-2-353	25 Sec.	4,000	76-1-497	76-16-232	19
																						20
S & M	M1, M7 or M8	#	78-0-58	Signal, Ground, Amber Star, Parachute	M21A1B2		.13	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-331	6.	Cart. *	B-173949	78-2-353	25 Sec.	4,000	76-1-528	76-16-354	21
S & M	M1, M7 or M8	#	78-0-42	Signal, Ground, Amber Star, Cluster	M22A1	1.06	.22	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-308	6.	Cart. *	B-173949	None	7 Sec.	2,000	76-1-497	76-16-232	22
																						23
S & M	M1, M7 or M8	#	78-0-59	Signal, Ground, Amber Star, Cluster	M22A1B2		.22	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-331	6.	Cart. *	B-173949	None	7 Sec.	2,000	76-1-528	76-16-354	24
S & M	M1, M7 or M8	#	78-0-69	Signal, Ground, Red Star, Parachute	M51A1	1.02	.13	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-308	6.	Cart. *	B-173949	78-2-353	25 Sec.	20,000	76-1-497	76-16-232	25
																						26
S & M	M1, M7 or M8	#	78-0-60	Signal, Ground, Red Star, Parachute	M51A1B2		.13	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-307	78-2-331	6.	Cart. *	B-173949	78-2-353	25 Sec.	20,000	76-1-528	76-16-354	27
S & M	M1, M7 or M8	#	78-0-70	Signal, Ground, Red Star, Cluster	M52A1	1.09	.23	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-308	6.	Cart. *	B-173949	None	7 Sec.	35,000	76-1-497	76-16-232	28
																						29
S & M	M1, M7 or M8	#	78-0-61	Signal, Ground, Red Star, Cluster	M52A1B2		.23	17.	Smokeless Pdr.	16.	Army Blk.Pdr.	78-2-306	78-2-331	6.	Cart. *	B-173949	None	7 Sec.	35,000	76-1-528	76-16-354	30
S & M	M1A1	#	78-0-30	Signal, Ground, High Burst Ranging	M27	.42	.13	31.6	Smokeless Pdr.		None	78-2-260	4.75	Perc.	74-2-26		None	Inst.	Smoke	76-1-391	76-16-290	31

S - Issue
M - Manufacture
Perc. - Percussion
Or. - Ordnance
Cart. - Cartridge
Inst. - Instantaneous

* - Cartridge, Rifle, Grenade, Cal.30, M3, Drg. B-173949
Also uses Cartridge, Carbine, Grenade, Cal.30, M6, Drg. B-181079.
- Alternative Parachute Assembly. Drg. 78-2-128, may be used
with -A1, and -A1B2 Signals.

\$ - Candlepower for one Star Assembly.
- Types of Firing Mechanisms:
(M1A1, M3 and M4 - Projector Type Firing)
(M1, M7 and M8 - Launcher Type Firing)

ISSUED - June 29, 1949
REVISED - May 1, 1944

SHEET NO. 36-A

PYROTECHNICS

NOTES	PISTOL, PROJECTOR OR DISCHARGER	COMPLETE ROUND DRG. NO.	NOMENCLATURE	PYROTECHNIC														PACKING		NO. ASSEMBLES			
				DESIG- NATION	WEIGHT LOADED AND FUZED (LB.)	ILLUMI- NANT WEIGHT (LB.)	PROPELLANT		EXPPELLING CHARGE			CASE		IGNITION			PARACHUTE		APPROX. TIME OF BURNING		APPROX. CANDLE POWER	CONTAINER	BOX
							WT. (GR.)	KIND	WT. (GR.)	KIND	DRG. NO.	DRG. NO.	DELAY IN SECS	TYPE	DRG. NO.	DESIG- NATION	DRG. NO.						
S & M	M2, AN-M8 or M9	#	78-0-10	Signal, Aircraft, Red Star, Parachute	M11	.60	.16	30.9	Army Blk. Pdr.	30.9	Army Blk. Pdr.	78-2-159	78-2-159	2.5	Perc., M27	74-2-40	M2	78-2-152	30 Sec.	20,000	76-1-226	76-16-167	1
S	M2 or AN-M8	#	78-0-11	Signal, Aircraft, Red Star, Cluster	M14	.71	.31	21.0	Army Blk. Pdr.	31.0	Army Blk. Pdr.	78-2-214	78-2-218	2.5	Perc., M27	74-2-40			10 Sec.	4,000	76-1-226	76-16-167	2
S	M2 or AN-M8	#	78-0-15	Signal, Aircraft, White Star, Blinker, Para.	M15	.57	.13	30.9	Army Blk. Pdr.	30.9	Army Blk. Pdr.	78-2-231	78-2-218	2.5	Perc., M27	74-2-40	M2	78-2-152	42 Sec.	10,000	76-1-226	76-16-167	3
S	M2 or AN-M8	#	78-0-16	Signal, Aircraft, Green Star, Blinker, Para.	M16	.57	.13	30.9	Army Blk. Pdr.	30.9	Army Blk. Pdr.	78-2-233	78-2-218	2.5	Perc., M27	74-2-40	M2	78-2-152	49 Sec.	1500	76-1-226	76-16-167	4
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Red-Red	AN-M28	.31	.13	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	9000- 9000	76-1-402	76-16-291	5	
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Yellow-Yellow	AN-M29	.31	.12	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	2000- 2000	76-1-402	76-16-291	6	
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Green-Green	AN-M30	.34	.12	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	6000- 6000	76-1-402	76-16-291	7	
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Red-Yellow	AN-M31	.31	.12	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	9000- 2000	76-1-402	76-16-291	8	
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Red-Green	AN-M32	.32	.12	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	9000- 6000	76-1-402	76-16-291	9	
S	M2 or AN-M8	#	78-0-31	Signal, Aircraft, Double Star, Green-Yellow	AN-M33	.32	.12	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7-7 Sec.	6000- 2000	76-1-402	76-16-291	10	
S	M2 or AN-M8	#	78-0-32	Signal, Aircraft, Single Star, Red	AN-M34	.24	.06	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7 Sec.	9000	76-1-402	76-16-291	11	
S	M2 or AN-M8	#	78-0-32	Signal, Aircraft, Single Star, Yellow	AN-M35	.24	.06	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7 Sec.	2000	76-1-402	76-16-291	12	
S	M2 or AN-M8	#	78-0-32	Signal, Aircraft, Single Star, Green	AN-M36	.25	.06	35.0	Army Blk. Pdr.		None	78-2-262	0	Perc., M27	74-2-40			7 Sec.	6000	76-1-402	76-16-291	13	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Red-Red	AN-M37	.35	.21	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	25,000- 25,000	76-1-427	76-16-298	14	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Yellow-Yellow	AN-M38	.35	.21	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	12,000- 12,000	76-1-427	76-16-298	15	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Green-Green	AN-M39	.43	.26	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	20,000- 20,000	76-1-427	76-16-298	16	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Red-Yellow	AN-M40	.35	.21	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	25,000- 12,000	76-1-427	76-16-298	17	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Red-Green	AN-M41	.39	.24	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	25,000- 20,000	76-1-427	76-16-298	18	
S & M	AN-M5 or AN-M8	#	78-0-33	Signal, Aircraft, Double Star, Green-Yellow	AN-M42	.39	.24	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10-10 Sec.	20,000- 12,000	76-1-427	76-16-298	19	
S & M	AN-M5 or AN-M8	#	78-0-34	Signal, Aircraft, Single Star, Red	AN-M43	.27	.13	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10 Sec.	25,000	76-1-427	76-16-298	20	
S & M	AN-M5 or AN-M8	#	78-0-34	Signal, Aircraft, Single Star, Yellow	AN-M44	.26	.12	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10 Sec.	15,000	76-1-427	76-16-298	21	
S & M	AN-M5 or AN-M8	#	78-0-34	Signal, Aircraft, Single Star, Green	AN-M45	.32	.18	36.4	Army Blk. Pdr.		None	78-2-270	0	Perc.No.4	74-2-26			10 Sec.	30,000	76-1-427	76-16-298	22	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M53	.25	.05	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	23	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M54	.26	.05	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	24	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M55	.26	.06	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	25	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M56	.26	.06	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	26	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M57	.25	.05	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	27	
S & M	AN-M5 or AN-M8	#	78-0-64	Signal, Aircraft	AN-M58	.26	.06	33.0	Army Blk. Pdr.		None	78-2-348	0	Perc.No.4	74-2-26					76-1-570	76-16-364	28	

S - Issue
M - Manufacture
Perc. - Percussion
Gr. - Grains
Sec. - Seconds
Para. - Parachute

\$ - Candle power for one Star Assembly.
- Types of Firing Mechanisms:-
(M2 and AN-M8 - Pistol type firing.)
(M9 - Projector type firing.)
(AN-M5 - Discharger type firing.)

ISSUED - June 29, 1929
REVISED - May 1, 1944

SHEET NO. 36-B.

MINES, ANTI-TANK & ANTI-PERSONNEL

NOTES	NOMENCLATURE	DESIGNATION	COMPLETE ROUND DRG. NO.	DRG. NO.	WEIGHT LOADED AND FUZED LB.	CHARGE			FUZE ASSEMBLY		PACKING			REMARKS	Assembly No.
						Weight Lb.	Kind	Drg. No.	Design- nation	Drg.No.	Fuze Drg. No.	Mine Drg. No.	Packing & Marking Drg. No.		
S	Mine, Anti-Tank	M1A1	82-0-42	82-15-1	10.67	5.8	TNT	75-14-262	M1A2	73-9-1	76-1-555	76-1-338	20-4-240	Shipped with Booster in place, in Mine, Fuzes in separate compartment.	1
S	Mine, Anti-Tank	M4	82-0-85	82-15-16	10.25	5.5	TNT	75-14-387	M4	73-9-8	76-1-568	76-1-338	20-4-240	Shipped with Booster in place, in Mine, Fuzes in separate compartment.	2
S & M	Mine, Anti-Tank, HE, Non-Metallic	M5	82-0-89	82-15-11	15.00	5.4	TNT	75-14-402	M5	73-9-10	76-1-555	76-1-532	20-4-382	Shipped four mines per box, four fuzes in metal containers.	3
S & M	Mine, Anti-Tank, HE, Heavy	M6	82-0-129	82-15-22	20.00	12.0	TNT	75-14-437	M600	73-9-27		76-17-21	20-4-440	Shipped one mine per metal crate, with one Fuze, and one Activator each in metal can.	4
S & M	Mine, Anti-Tank, HE, Light	M7	82-0-114	82-15-30	4.80	3.5	TNT	75-14-444	M600 #	73-9-27		76-1-625	20-4-435	Shipped eight mines per Metal Box, M156, 8 fuzes in two cartons.	5
															6
															7
															8
															9
															10
S	Mine, Anti-Personnel	M2A3B1	82-0-94	82-15-14	7.16	.34	TNT	75-14-364	M6A1 #	73-9-13	76-1-602	76-1-522	20-4-419	Shipped ten cartons per box: one mine and one fuze per carton.	11
S & M	Mine, Anti-Personnel, HE	M2A4	82-0-99	82-15-19	5.01	.34	TNT	75-14-364	M6A1 #	73-9-13	76-1-602	76-1-522	20-4-342	Shipped ten cartons per box: one mine and one fuze per carton.	12
S & M	Mine, Anti-Personnel, HE	M3	82-0-79	82-15-9	9.90	.85	TNT	75-14-365	M7A1 " "	73-9-13	76-1-602	76-1-522	20-4-343	Shipped six mines per box: six fuzes in fiber containers.	13
S & M	Mine, Anti-Personnel, HE	M3B1	82-9-101	82-15-21	10.30	.90	TNT	75-14-419	M7A1 " "	73-9-13	76-1-602	76-1-459	20-4-343	Shipped six mines per box: six fuzes in fiber containers.	14
S & M	Mine, Anti-Personnel Practice	M8	82-0-112	82-15-39	3.63	.024	Black Powder	82-15-26	M10A1	73-9-25		76-7-728	20-4-451	Spotting charge and fuze assembled to mine in the field.	15
S	Mine, Anti-Tank, Practice	M1 %	82-0-43	82-15-4	10.67	&	&	73-9-3	M1 # Practice	73-9-3	76-1-339	76-1-338	20-4-239	Mines and Fuzes shipped in separate boxes.	16
															17
															18
															19
															20

S - Issue

M - Manufacture

* - 100 Mine Fuzes per box.
 ** - 5 Mines & 5 Fuzes per box.
 ‡ - Fuze, Chemical, Mine, A.T., M601, Drg. No. 73-9-28 Limited Standard.
 # - Some Fuzes, M2 and M2A1, Drg. No. 73-9-6 are on hand.
 @ - Some mines on hand designated M2A1, M2A2, Drg. No. 82-0-71, and M2A3, Drg. No. 82-0-99 dated October 14, 1943.
 " - Alternative: Mine, Anti-Personnel M2A4B2, Drg. No. 82-0-116.
 "" - Some Fuzes, Mine, Anti-Personnel, M3 and M3A1, Drg. No. 73-9-6 are on hand.
 & - Charge = 60 grains, black powder and 100 grains, red phosphorous.
 % - Mine, Anti-Tank, Practice, M1B1, Drg. No. 82-0-43.
 ‡ - Fuze, Dummy, M1, Drg. No. 72-5-8 can be used in place of Fuze, Practice, M1 for Training purposes.

Issued - February 1, 1941

Revised - October 16, 1944

SHEET NO. 37

