

No. 5981

MAJOR EDWARD B. CROSSMAN
THE INFANTRY BOARD
FORT BENNING, GEORGIA

COMPLETE ROUND CHARTS

MAJOR EDWARD B. CROSSMAN
THE INFANTRY BOARD
FORT BENNING, GEORGIA





AMMUNITION (FIXED) FOR 20-MM GUN, M1 & M2

20-MM

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.	Wt. loaded and fuzed	Wt.	Charge		Material	Forging or Casting		Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nomi- nal weight	Kind	Size	Design- ation	Drg. No.	Fuze	Round			
									Kind	Drg. No.		Type	Drg. No.											Drg. No.	Carton Drg. No.	Box Drg. No.		Shipped
S & M	All	75-1-124	Shell	H.E.I.	Mk. I	75-2-300	Gr. 2000	Gr. 175.2	----	75-14-302	Steel	Bar	Stock	*** Mk. I	Perc.	73-1-186	M21	71-2-119	Gr. 490	FNH		()	71-2-119		76-8-73	76-1-358	Fuzed	1
S & M	All	75-1-125	Proj.	Ball	**	75-2-299	1935	-----	----	-----	Steel	Bar	Stock	----	----	-----	M21	71-2-119	490	FNH		()	71-2-119	-----	76-8-73	76-1-358	Complete	2

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S - Issue
M - Manufacture
H.E.I. - High Explosive Incendiary
Perc. - Percussion
FNH - Flashless, Nonhygroscopic Powder

* - Shell, H.E.I. Mark I 20 M/M Hispano Gun /A/.
** - Projectile, Ball, 20 M/M Hispano Gun /A/.
*** - Fuze, Percussion, D. A. No. 253 Mark I /A/.
() - Berdon Type Primer.

Issued - December 2, 1940

Revised - August 9, 1941

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																																																																																																																																																																																																																																																																																																																																																																																															
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THE INFANTRY BOARD
FORT BENNING, GEORGIA

S - Issue
M - Manufacture
FNH - 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. IAL to be issued until supply is exhausted.
** - Use components on hand. No manufacture necessary.

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

NOTES	Mark or Model of Gun	Complete Round Drg. No.	PROJECTILE										FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				Assembly No.																																																																																																																																																																																																																																																																																																																																																																																														
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S - Issue
M - Manufacture
FNH - Flashless, nonhygroscopic powder
H.E. - High explosive
A.P. - Armor piercing
P.D. - Point detonating
* - Projectiles have built-in tracers

Issued - January 1, 1940.
Revised - August 9, 1941.

AMMUNITION (FIXED) FOR 37-MM GUN M3, M5, & M6

37-MM

NOTES	Mark or Model of Gun	Com-plets Round Drg. No.	PROJECTILE										FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																
			Kind	Type	Desig-nation	Drg. No.	Weight loaded and fused	Charge			Material	Forging or Casting		Desig-nation	Type	Drg. No.	Desig-nation	Drg. No.	Nominal weight	Kind	Size	Desig-nation	Drg. No.	Fuse	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.</

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

* - Approximately 50,000 rounds of unheattreated shot in accordance with Drawing 75-1-75 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.

Issued - January 1, 1940

Revised - August 9, 1941

AMMUNITION (FIXED) FOR 37-MM AUTOMATIC GUN, M4

37-MM

NOTES	Mark or Model of Gun	Complete Round Drg. No.	PROJECTILE											FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING				Assembly No.																																																																																																																																																																																																																																																																																																																																																																																													
			Kind	Type	Designation	Drg. No.	Weight loaded and fuzed	Charge			Material	Forging or Casting		Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight	Kind	Size	Designation	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.

S - Issue
 M - Manufacture
 FNH - Flashless, nonhygroscopic powder
 H.E. - High Explosive
 P.D. - Point Detonating
 * - Projectiles have built-in tracers

Issued - January 1, 1940.

Revised - February 1, 1941.

AMMUNITION (FIXED) FOR 40-MM GUN, M1

40-MM

NOTES	Model of Gun	Complete Round Drg. no.	PROJECTILE										FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER		PACKING					Assembly No.	
			Kind	Type	Designation	Drg. No.	Weight Loaded and Fuzed	Charge			Material	Forging or Casting		Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight	Kind	Designation	Drg. No.	Boxes		Complete Round			
								Wt.	Kind	Drg. No.		Type	Drg. No.										Fuze	Primer	Without Charger	With Charger		Shipped
S & M	M1	75-1-123	Shell	H.E.	Mk. II	75-2-298	1.98	Lb. .005	** BPP	75-14-300	Steel	Bar	Stock	Mk. I	Perc.	73-1-180	M22	71-2-118	9.6	FNH	Mk. II	74-2-54					Fuzed	1

S - Issue
 M - Manufacture
 H.E. - High Explosive
 Perc. - Percussion
 TNT - Trinitrotoluene
 FNH - Flashless, Nonhygroscopic Powder
 BPP - Black Powder Pellet

* - Shell, Q.F. H.E. 40 M/M, Mk. II T/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/.

Issued - August 9, 1941.

AMMUNITION (FIXED) FOR 57-MM GUN M1 & T2

57-MM

NOTES	Mark or Model of Gun	Com- plete Round Drg. No.	PROJECTILE												FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER				PACKING						Assembly No.
			Kind	Type	Desig- nation	Drg. No.	Wt. loaded and fuzed	Wt.	Charge		Mate- rial	Forging			Desig- nation	Type	Drg. No.	Desig- nation	Drg. No.	Nomi- nal Weight	Kind	Type	Desig- nation	Drg. No.	Boxes		Fiber Container		Bundle Acces- sories			
									Kind	Drg. No.		Type	Drg. No.	Fuze											Primer	Round						
																										Drg. No.	Drg. No.	Drg. No.		Shipped		
*S & M	All		Shot	A.P.	M70	75-2-301	Lb. 6.28	—	—	75-14-289	Steel				—	—	—	M25	71-2-120	Lb. 2.25	FMH	Perc.	Mk. II	74-2-52							1	

S - Issue
M - Manufacture
A.P. - Armor Piercing
FMH - Flashless, nonhygroscopic powder
Perc. - Percussion

* - Projectile has built-in tracer.
** - Primer percussion, Q. F. Cartridges No. 15, Mk. II /L/.

Issued - August 9, 1941.

NOTES	Designa- tion of Mortar	Complete Round Drg. No.	PROJECTILE										FUZE			PROPELLING CHARGE *	PRIMER		IGNITION CARTRIDGE @			PACKING **			Assembly No.	
			Kind	Type	Design- ation	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Design- ation	Type	Drg. No.	Nominal Weight	Design- ation	Drg. No.	Wt. Grains	Charge Design- ation	Drg. No.	Boxes	Fiber Container		
								Wt.	Kind	Drg. No.		Type	Drg. No.										Fuze	Round		
																										Drg. No.
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.	M5	75-19-78	76-7-638	76-1-296 ***	Fuzed	1
S & M	All	75-1-83	Shell	Prac.	M50A2	75-2-288	2.90	.29 .05	Inert B.P. Pellet	75-14-238	Steel	% Forg	75-20-85	M52	P.D.	73-1-161	140	M32	74-2-49	47.	M5	75-19-78	76-7-638	76-1-296 ***	Fuzed	2
S & M	All		Shell	Training	M69	75-2-305		---	---	-----	Cast Iron	Casting	-----	---	---	-----									----	A

MAJOR EDWARD B. CROSSMAN
THE INFANTRY BOARD
FORT BENNING, GEORGIA

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

* - Full charge = 4 increments of sheet powder; weight of one increment = 35 grains.
% - See Drg. 75-2-288 for other methods of manufacture and Drg. 75-20-83 for casting.
** - For Bundle Accessories see Drg. 76-1-299.
*** - 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.

Issued - January 1, 1940.
Revised - August 9, 1941.

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		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			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.

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.

AMMUNITION (FIXED) FOR 75-MM FIELD GUNS (FRENCH MOD. '97, BRITISH MOD. '17, AND AMERICAN MOD. '16) M2, M3, T6, & T7#

75-MM

NOTES	Mark or Model of Gun	Complete Round Drg. No.	PROJECTILE										ADAPTER & BOOSTER OR BURSTER		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	Kind	Size	Designation \$ %	Drg. No.	Boxes x		Fiber Container		Bundle Access-series			
								Wt.	Kind	Drg. No.		Type	Drg. No.													Fuze	Booster or Burster	Primer	Round				
																													Drg. No.			Drg. No.	Drg. No.
S	Note A	75-1-52	Shell	H.E.	Mk. I	75-2-164	Lb. 12.44	Lb. 1.64	TNT*	75-14-207	Steel	Forg	75-20-1	Mk. III	73-1-55	M46	P.D.	73-2-126	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-258	76-8-49	76-1-179	Unfuzed	76-1-245	1	
S	Note A	75-1-52	Shell	H.E.	Mk. I	75-2-164	12.41	1.64	TNT*	75-14-207	Steel	Forg	75-20-1	Mk. III	73-1-55	M47	P.D.	73-2-157	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-258	76-8-49	76-1-179	Unfuzed	76-1-245	2	
() S & M	Note A	75-1-52	Shell	H.E.	Mk. I	75-2-164	12.41	1.64	TNT*	75-14-207	Steel	Forg	75-20-1	Mk. III	73-1-55	M47	P.D.	73-2-157	M18	71-2-71	.56	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-258	76-8-49	76-1-179	Unfuzed	76-1-245	3	
() S & M	Note A	75-1-52	Shell	H.E.	Mk. I	75-2-164	12.44	1.64	TNT*	75-14-207	Steel	Forg	75-20-1	Mk. III	73-1-55	M46	P.D.	73-2-126	M18	71-2-71	.56	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-258	76-8-49	76-1-179	Unfuzed	76-1-245	4	
S & M	Note A	75-1-78	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	M18	71-2-71	2.00	FNH	150-gr.	M31	74-2-44	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	5	
S & M	Note A&C	75-1-79	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	M18	71-2-71	1.13	FNH	75-gr.	M22A2	74-2-35	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	6	
S & M	Note A	75-1-80	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	M18	71-2-71	.56	FNH	75-gr.	M22A2	74-2-35	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	7	
S & M	Note A&B	75-1-84	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.SQ	73-3-154	M18	71-2-71	2.00	FNH	150-gr.	M31	74-2-44	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	8	
S & M	Note A	75-1-85	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.SQ	73-3-154	M18	71-2-71	1.13	FNH	75-gr.	M22A2	74-2-35	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	9	
S & M	Note A	75-1-86	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.SQ	73-3-154	M18	71-2-71	.56	FNH	75-gr.	M22A2	74-2-35	76-7-621	76-7-623	76-8-49	76-1-234	Fuzed	76-1-245	10	
S & M	Note A	75-1-8	Shell	Chem	Mk. II	75-2-171	12.77	1.81	W.P.	75-14-150	Steel	Forg	75-20-1	Mk. IVM1	73-1-176	M46	P.D.	73-2-126	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-263	76-8-49	76-1-179	Unfuzed	76-1-245	11	
S & M	Note A	75-1-95	Shell	Chem.	Mk. II	75-2-171	12.88	1.9	F.S.	75-14-247	Steel	Forg	75-20-1	Mk. IVM1	73-1-176	M46	P.D.	73-2-126	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-263	76-8-49	76-1-179	Unfuzed	76-1-245	12	
S & M	Note A	75-1-96	Shell	Chem.	Mk. II	75-2-171	12.31	1.33	H.S.	75-14-248	Steel	Forg	75-20-1	Mk. IVM1	73-1-176	M46	P.D.	73-2-126	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-614	76-7-263	76-8-49	76-1-179	Unfuzed	76-1-245	13	
S	Note A	75-1-6	Shrap		Mk. I	75-2-163	15.95	(.870 balls)			Steel	Forg	75-20-2			'O7M	21-sec. comb. g	73-3-114	M18	71-2-71	1.69	FNH	100-gr.	M1B3A1	74-2-32	76-7-502	-----	76-8-29	76-1-179	Fuzed	76-1-245	14	
S & M	Note A-B&C	75-1-104	Shot	A.P.	M51	75-2-291	14.40	.01	Tracer	75-14-268	Steel			-----	-----	-----	-----	-----	M18	71-2-71	2.00	FNH	150-gr.	M31	74-2-44	-----	-----	76-8-49	76-1-234	Complete	76-1-245	15	
S & M	Note A-B&C	75-1-127	Shot	Semi-A.P.	M72	75-2-305	13.94	.01	Tracer	75-14-299	Steel			-----	-----	-----	-----	-----	M18	71-2-71	1.90	FNH	150-gr.	M31	74-2-44	-----	-----	76-8-49		Complete	76-1-245	16	
																																	17
																																	18
() S & M	Note A	75-1-20	Target Prac.	Mk. I		75-2-164	11.85	1.83	Sand		Steel	Forg	75-20-1	Mk. III	73-1-55	IV*	P.D.	73-1-81	M18	71-2-71	1.35	FNH	75-gr.	M22A2	74-2-35	76-7-246		76-8-49		Fuzed	76-1-245	A	
S	Note A	72-3-43	Round	Drill							Bronze					'O7M	21-sec. comb. g	73-3-114												Complete		B	
S & M	Note A&B	72-3-65	Round	Drill	M7		20.38				Bronze Steel					'O7M	21-sec. comb. g	73-3-114												Complete		C	

S - Issue
M - Manufacture
P.D. - Point Detonating
Comb. - Combination time and percussion
FNH - Flashless, nonhygroscopic powder. Nitrocellulose or pyrocellulose powder may be used as a "substitute standard."
H.E. - High explosive
Chem. - Chemical
T.SQ - Time and Super-quick
A.P. - Armor Piercing

() Assembly of components on hand. No manufacture of Mk. I shell required.
* Some shell on hand are loaded with 50/50 amatol.
g Burned-out fuze parts that have been condemned, or parts rejected by inspectors of regular 21-sec. comb. or 21-sec. A-A service fuzes may be used.
** Some rounds on hand have 49-grain percussion primer, Drawing 74-2-18, or 100-grain percussion primer, M1, Drawing 74-2-23, inserted in cartridge case. Various other gradulations of FNH powder have been used in existing ammunition. Weights of charge vary between 1.25 and 1.44 pounds.
\$ 49-grain primer, used with N.C. powder as substitute standard.
*** Some shell on hand are assembled with adapter & booster Mk IVB. Drg. 73-1-99.
o Some shell on hand are loaded with F.M.

" Inert fuze
\$ Adapter only
g 100-grain primer, M1, M1A1, M1B1, M1B1A1, or M22A1 may be used.
x Some rounds on hand in fiber containers are packed in wooden boxes shown on Drawing 76-1-78.
\$\$ For drill round kit see Drawing 72-3-45.
Note A Gun Models '97, '17, & '16.
Note B Gun Model T6.
Note C Gun Model M2, M3, & T7.
Some guns designated TV were issued prior to standardization to M2.

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

NOTES	Designation of Howitzer	Complete Round Drg. No.	PROJECTILE										BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE*		PRIMER			PACKING						No. Assembly	
			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.														Booster or Burster	Primer	Round			
																													Drg. No.	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. @	73-3-114											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.

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

3-INCH

NOTES	Mark or Model 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 or Casting		Mk. No.	Drg. No.	Designation	Type	Drg. No.	Mk. or Type	Drg. No.	Nominal Weight	Kind	Size	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.	D

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

* - Drawing 75-5-26, an earlier type projectile, is fuzed with B.D. fuse Mk. IX, Drawing 75-2-71.
 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. 74-2-25, 330-grain percussion primer, M21, Drg. 74-2-50, 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 ANTI-AIRCRAFT GUNS

3-INCH

NOTES	Designation of Gun	Complete Round Drg. No.	PROJECTILE										BOOSTER		FUZE**			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER*			PACKING					No. Assembly																																																																																																																																																																																																																																																																																																																																																																																											
			Kind	Type	Designation	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting		Designation	Drg. No.	Mk. or designation	Type	Drg. No.	Mk. No.	Drg. No.	Nominal weight	Kind	Size	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.

S - Issue
M - Manufacture
H.E. - High explosive
NH - Non-hygrosopic powder
- Mk. IIIA2 fuze is the approved substitute standard

* - Some rounds on hand have 110-grain percussion primer, Drawing 74-2-3, and other rounds have 100-grain percussion primer M1, Drawing 74-2-23, 350-grain percussion primer, M21 Drawing 74-2-50 or 500-grain percussion primer, M28 inserted in cartridge case.
** - Rounds assembled prior to January 1932 contained 21-sec. A.A. fuze, Mk. III, Drawing 75-3-111, some rounds assembled with M43 fuze.
NOTE B - Guns, models '17, '17A1, '17A2, '17A3, '17M1, '17M1A1, '17M1A2, '17M1A3, '17M1I, '17M1IA3, 1925 M1, 1925 M1A1, M2, and M4.
NOTE C - Guns, models '18, '18A1, '18M1A1, M1, M3, T9, T10, and T12.
a - Alternative M42B2. See Drg. 75-18-38.
\$ - Some rounds on hand assembled with Mk. I Booster and 21-sec. time fuze. See Drg. 75-1-9.
% - Some rounds on hand assembled with Mk. I Booster and 21-sec. time fuze. See Drg. 75-1-7.

Issued - August 15, 1924.

Revised - October 9, 1941.

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.	Fuse	Round				
																												Drg. No.			Drg. No.	Shipped
S	All	75-1-47	Shell	H.E.	M43	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	Fuzed	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	**	120	N.G.	75-19-76	76-7-617	76-1-214	Fuzed	76-1-245	2		
S	All	75-1-88	Shell	H.E.	M43A1	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	**	120	N.G.	75-19-76	76-7-638	76-1-211	Fuzed	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	@	120	N.G.	75-19-76	76-7-638	76-1-214	Fuzed	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 ^{HN}	M52	P.D.	75-1-161	M2	71-12-16	820	@	120	N.G.	75-19-76	76-7-638	76-1-214	Fuzed	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 ^{HN}	M52	P.D.	75-1-161	M2	71-12-16	820	@	120	N.G.	75-19-76	76-7-638	76-1-214	Fuzed	76-1-245	6		
^O S & M	All	75-1-88	Shell	H.E.	M43A1	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	**	120	N.G.	75-19-79	76-7-638	76-1-211	Fuzed	76-1-245	7		
^{oo} 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	@	120	N.G.	75-19-79	76-7-638	76-1-214	Fuzed	76-1-245	8		
^{ooo} 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 ^{HN}	M52	P.D.	75-1-161	M2	71-12-16	820	@	120	N.G.	75-19-79	76-7-638	76-1-214	Fuzed	76-1-245	9		
^{oooo} 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 ^{HN}	M52	P.D.	75-1-161	M2	71-12-16	820	@	120	N.G.	75-19-79	76-7-638	76-1-214	Fuzed	76-1-245	10		
^{ooooo} 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 ^{HN}	M52	P.D.	75-1-161	M2	71-12-16	820	@	120	N.G.	75-19-79	76-7-638	76-1-214	Fuzed	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.	75-1-63	Mk. I*	71-12-11	300	"		I	75-19-6					B		
^{SS} ()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	**	120	N.G.	75-19-79	76-7-638	76-1-211	Fuzed	76-1-245	C		
^O 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	**	120	N.G.	75-19-79	76-7-638	76-1-211	Fuzed	76-1-245	D		

MAJOR EDWARD B. CROSSMAN
THE INFANTRY BOARD
FORT BENNING, GEORGIA

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 propellent powder.
" For Burster Casing M2 - See Drg. 75-1-169.
o Assembled with Primer Percussion M33 74-2-50.
oo Assembled with Primer Percussion M34 74-2-51.
SS 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.

AMMUNITION (FIXED) FOR 90-MM GUN, M1

90-MM

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	Charge			Material	Forging or Casting		Mk. No.	Drg. No.	Design- ation	Type	Drg. No.	Design- ation	Drg. No.	Nominal Weight	Kind	Size	Design- ation	Drg. No.	Fuze	Booster	Primer	Box		Round																																																																																																																																																																																																																																																																																																																																																																																								
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S - Issue
M - Manufacture
NH - Nonhygroscopic powder
H.E. - High explosive
M.T. - Mechanical time
TNT - Trinitrotoluene
B.P. - Black Powder

Issued - January 1, 1940.
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 fuze	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.

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.

NOTES	Designation of Howitzer	Complete Round Drg. No.	PROJECTILE											BOOSTER OR BURSTER		FUZE			CARTRIDGE CASE		PROPELLING CHARGE		PRIMER			PACKING					Bundle Accessories ##	Assembly No.																																																																																																																																																																																																																																																																																																																																																																																								
			Kind	Type	Designation	Drg. No.	Wt. loaded and fuze	Charge			Material	Forging or Casting		Designation	Drg. No.	Designation	Type	Drg. No.	Designation	Drg. No.	Nominal Weight	Kind	Type	Designation #	Drg. No.	Fuze	Boxes	Primer	Fiber Container																																																																																																																																																																																																																																																																																																																																																																																											
								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.

S - Issue
M - Manufacture
P.D. - Point Detonating
FNH - Flashless, Nonhygroscopic powder
T-SQ - Time and superquick

* - Semifixed ammunition.
** - Bursting Casing M5, Drg. 73-1-172.
*** - Complete Drill Cartridge Assembly Weight.
- 100-gr. Primer M1, M1A1, M1B1, or M1B1A1 may be used.
@ - Assembled with Booster M22, Drg. 73-2-150.
\$ - Charge, propelling, dummy, M3, Drg. 72-2-64.
¢ - Inert Primers, 100-gr., M1B1A1 or 100-gr. M1A1 may be used.
- Packing and Marking of Bundle Packing, Drg. 20-4-257.
() - Some rounds on hand in fiber containers are packed in wooden boxes. See Drg. 76-1-243.

Issued - October 1, 1934.
Revised - October 9, 1941.

AMMUNITION (SEPARATE LOADING) 4.5 INCH GUN M1

4.5 INCH

NOTES	Design- ation of Gun	PROJECTILE										BOOSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																									
		Kind	Type	Design- ation	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Design- ation	Drg. No.	Design- ation	Type	Drg. No.	Cartridge Bag		Nomi- nal Weight Charge	Kind	Size	Mk. or Mod.	Drg. No.	Fuze	Booster	Propellant	Primer	Projectile																																																																																																																																																																																																																																																																																																																																																																																										
							Wt.	Kind	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.</

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.

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 fuzed	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.	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.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	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
B & I - Base and increment
C.S.C. - Cartridge storage case

x Shipped uncrated with rope grommet
% 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.
Notes Other models on hand in coast defenses. No ammunition to be manufactured for these guns, as a supply of ammunition equal to the accuracy life of the guns is on hand.

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

NOTES	Mark or Model of Gun	Com- plete Round Drg. No.	PROJECTILE										ADAPTER AND BOOSTER OR BURSTER		FUZE			PROPELLING CHARGE				PRIMER			PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
			Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fused	Charge			Material	Forging or Casting			Designation	Type	Drg. No.	Cartridge Bag		Nomi- nal 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. 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S - Issue
M - Manufacture
P.D. - Point detonating
H.E. - High explosive
Comb. - Combination time and percussion
NH - Nonhygroscopic powder

" Produced by converting chemical shell Mk. VII.
§ Produced by converting H.E. shell Mk. III
* Some pyro powder charges are on hand available for issue.
* 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, Drawing 75-14-42.
B & I Base and Increment.
a Assembled with Booster M22, See Drg. 73-2-150.

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

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

S - Issue
 M - Manufacture
 Comb. - Combination time and percussion
 FNH - Flashless, nonhygroscopic powder
 Chem - Chemical
 T.S.Q. - Time and superquick
 P.D. - Point detonating
 W.P. - White Phosphorus

* Produced by converting chemical shell Mk II.
 % Produced by converting H.E. shell MK. I.
 * Some shell on hand are loaded with 50/50 or 80/20 amatol.
 ** M1A1 charge, zones 1-5; M2 charge, zones 5-7.
 () Use eyebolt lifting plug, Drawing 75-14-42.
 # Some charges in storage consist of seven sections. See Drawing 71-9-64.
 \$ Some charges on hand are packed in cartridge storage cases, see Drawing 76-5-56.
 o Some pyro powder charges are on hand available for issue.
 @ Assembled with Booster M22 See Drg. 73-2-150.

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

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 fuze	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 Drg. No.	Booster Drg. No.	
							Wt.	Kind	Drg. No.		Type	Drg. No.	Mk. or Type	Drg. No.																	
		S & M	88	Shell	H.E.	I	75-4-23	Lb. 200	29.6	TNT		Steel	Forg	75-20-5	IIA	73-1-122	M46	P.D.	73-2-126	B & I	71-9-58	Lb. Oz. 70 10	N.C.\$	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	
S & M	88	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	70 10	N.C.\$	Elec		74-5-18	76-7-614	76-7-257	76-5-52	76-8-8	()	Unfuzed	2
88	88	Shot	A.P.	'11	75-8-3	323	5.1	"D"		Steel	Forg				Mk. V	B.D.	73-2-62	S.S.	71-9-20	82 6	N.C.	Elec		74-5-18	76-7-525		76-5-52	76-8-8		Fuzed	3
88	88	Shell	A.P.	'11	75-8-4	323	16.32	"D"		Steel	Forg				Mk. V	B.D.	73-2-62	S.S.	71-9-20	82 6	N.C.	Elec		74-5-18	76-7-525		76-5-52	76-8-8		Fuzed	4
88	88	Proj.	A.P.			260		"D"		Steel	Forg							Two-sec.	71-9-146	84 8	N.H.\$	Elec		74-5-18				76-8-8			5
S & M	88		A.P.	XX Mod. 1	Navy 273103	261.8	3.40	"D"		Steel	Forg				Mk. X	B.D.	73-2-74	B & I	71-9-158	104	N.H.	Elec		74-5-18	76-7-552			76-8-8		Fuzed	6
S & M	88	Proj.	A.P.	XX Mod. 3	Navy 267785	261.8	3.40	"D"		Steel					Mk. X	B.D.	73-2-74	B & I	71-9-158	104	N.H.	Elec		74-5-18	76-7-552			76-8-8		Fuzed	7
S & M	Mk. VI Mod. 3A2	Shell	H.E.	MI03	75-4-87	240.	20.9	Cast TNT	75-14-258	Steel	Forg	75-20-87	M21	73-2-154	M51 Mod. 1	P.D.	73-2-163	B & I	71-9-158	104	N.H.	Elec		74-5-18							8
S & M	88	Target	C.I.	XVIII	Navy 199187	260				Cast Iron								B & I	71-9-158	104	N.H.	Elec		74-5-18				76-8-8		Complete	A
S & M	88	Target	C.I.	'11	75-8-14	323				Cast Iron								S.S.	71-9-20	82 6	N.C.\$	Elec		74-5-18			76-5-52	76-8-8		Complete	B
S & M	All	Dummy	Drill	I	72-1-29	200				C.I., steel, and bronze								S.S.	72-2-26	70 0		Elec		74-5-18				76-8-8		Complete	C
S	All	Dummy	Drill	II	72-1-18	323				C.I., steel, and bronze								S.S.	72-2-26	82 0		Elec		74-5-18				76-8-8		Complete	D

S - Issue
 M - Manufacture
 P.D. - Point detonating
 E.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.
 # Approximately 12,000 loaded 260-pound A.P. projectiles have been released by the Navy Department. To date about 5,000 have been received fuze with Mk. II tracer-detonator fuzes.
 () 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.
 o Packed in box - See Drg. 76-2-79.

Issued - August 15, 1924.

Revised - February 1, 1941.

AMMUNITION (SEPARATE LOADING) FOR 8-INCH HOWITZERS, MK. VI (BETH.), MK. VII (BRITISH), AND MK. VIII½ MI

8-INCH

NOTES	Mark or Model of How.	PROJECTILE											ADAPTER AND BOOSTER		FUZE			CARTRIDGE BAG		PROPELLING CHARGE		PRIMER			PACKING						Assembly No.																																																																																																																																																																																																																																																																																																																																																																																											
		Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Mk. No.	Drg. No.	Designation	Type	Drg. No.	Mk. or Designation	Drg. No.	Nominal Weight	Kind	Type	Mk. or Mod.	Drg. No.	Fuze No.	Booster No.	C. S. C. No.	Primer No.	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.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	Drg. No.	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
C.S.C. - Cartridge storage case
N.C. - Nitrocellulose or pyrocellulose powder
H.E. - High explosive

* Howitzers equipped with British firing mechanism take the "T" model friction primer Mk. IV, Drawing 74-4-26. This applies especially to Mk. VII and some Mk. VI howitzers. Mk. VIII½ Howitzers are all equipped for 21-grain percussion primer Mk. IIA1.
** Some shell on hand are loaded with 80/20 amatol.
() Use eyebolt lifting plug, Drawing 75-14-42.
⊙ Propelling charge packed in fiber container - See Drg. 76-10-62.
⊙ Propelling charge packed in fiber container - See Drg. 76-10-65.

Issued-August 15, 1924.

Revised - February 1, 1941.

AMMUNITION (SEPARATE LOADING) FOR 240-MM HOWITZER, MODEL 1918 (SCHNEIDER)

240-MM

NOTES	Mk. or Mod. of How.	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 fuzed	Charge			Material	Forging or Casting						Cartridge Bag		Nominal Weight Charge	Kind **				Drg. No.	Mk. or Mod.	Drg. No.	Drg. No.	Drg. No.	Drg. No."		Drg. No.	Drg. No.	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.

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

" 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.
() 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 - January 1, 1940.

10-INCH

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

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

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		Nom- inal Weight Charge	Kind				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.	Drg. No.	Drg. No.	Drg. No.	Shipped																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					

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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 fuze 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.
v 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 uncatered 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	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		Mk. No.	Drg. No.	Design- ation	Type	Drg. No.	Cartridge Bag		Nominal Weight Charge	Kind #	Type	Mk. or Mod.	Drg. No.	Fuze No.	Booster No.	C.S.C. Drg. No.	Primer Drg. No.**	Projectile or Round			
								Wt.	Kind	Drg. No.		Type	Drg. No.						Mk. or Type %	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	
qS	'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	
qS	'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	
qS	'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	
oS & 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	
qS & 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 of 68 }		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 of 68 }		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 uncased 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.
q 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.

4-IN. GUN

MAJOR EDWARD B. CROSSMAN
THE INFANTRY BOARD
FORT BENNING, GEORGIA

* A.P. shot and 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.

* Charges issued since 1920 for 14-inch guns have been four-section charges. Those issued prior were single-section charges.

** See also Drawings 75-11-11 and 16.)

See also Drawings 75-11-12, 15, 17 and 44.) Other models also on hand in seacoast defenses.

% See also Drawings 75-11-32, 36 and 39.)

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

\$ Common steel shell are normally assigned to railroad mounts only, but may be used in certain cases for land defense purposes with fixed mounts.

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

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.	Type ***	Mk. or Mod.	Drg. No.	Fuze	C.S.C.	Primer	Projectile or Round			
								Wt.	Kind	Drg. No.		Type	Drg. No.					Drg. No.	C.S.C.					Primer	Drg. No.	Drg. No.	Drg. No.		Drg. No.	Shipped
S & M	'09		Dummy drill		M4	72-1-52	Lb. 1,560	Lb.			C.I., steel, and bronze.						Two sec.	72-2-24	Lb. 420		Elec		74-5-18			76-8-8	76-3-9	Complete	A	
S & M	'20MT and MII		Dummy drill		M4	72-1-52	1,560				C.I., steel, and bronze.						Four sec.	72-2-49	507		Comb	XVM1	74-8-5			Navy 46377	76-3-9	Complete	B	
S	'09		Dummy drill		I	72-1-15	1,660				C.I., steel, and bronze.						Two sec.	72-2-24	420		Elec		74-5-18			76-8-8	76-3-9	Complete	C	
S	'20MT and MII		Dummy drill		I	72-1-15	1,660				C.I., steel, and bronze.						Four sec.	72-2-49	507		Comb	XVM1	74-8-5			Navy 46377	76-3-9	Complete	D	
S	'07		Target practice		'09	75-11-8	1,660				Cast iron						Four sec.	71-9-113	320	N.H.⊙	Elec		74-5-18		76-5-52	76-8-8	x	Complete	E	
S	'09		Target practice		'09	75-11-8	1,660				Cast iron						Two sec.	71-9-32	435	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	F	
S	'10 and '10 MI		Target practice		'09	75-11-8	1,660				Cast iron						Four sec.	71-9-110	436	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	G	
S & M	'07		Target practice		XI	75-11-40	1,560				Steel and cast iron						Four sec.	71-9-113	320	N.H.⊙	Elec		74-5-18		76-5-52	76-8-8	x	Complete	H	
S & M	'09		Target practice		XI	75-11-40	1,560				Steel and cast iron						Two sec.	71-9-32	435	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	I	
S & M	'10 and '10 MI		Target practice		XI	75-11-40	1,560				Steel and cast iron						Four sec.	71-9-110	436	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	J	
S & M	'20MT and MII		Target practice		XI	75-11-40	1,560				Steel and cast iron						Four sec.	71-9-106	460	N.H.	Comb	XVM1	74-8-5		76-5-61	Navy 46377	x	Complete	K	
¶S & M	'07		Target practice		XIV	75-11-48	1,400				Cast iron						Four sec.	71-9-113	320	N.H.⊙	Elec		74-5-18		76-5-52	76-8-8	x	Complete	L	
¶S & M	'09		Target practice		XIV	75-11-48	1,400				Cast iron						Two sec.	71-9-32	435	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	M	
¶S & M	'10 and '10 MI		Target practice		XIV	75-11-48	1,400				Cast iron						Four sec.	71-9-110	436	N.H.	Elec		74-5-18		76-5-52	76-8-8	x	Complete	N	
¶S & M	'20MT and MII		Target practice		XIV	75-11-48	1,400				Cast iron						Four sec.	71-9-106	460	N.H.	Comb	XVM1	74-8-5		76-5-61	Navy 46377	x	Complete	O	
S & M	'20MT and MII		Target practice		{ XI (MEAL)	75-11-50	1,208	Sand			Steel	Forg	75-20-18				Four sec.	71-9-106	480	N.H.	Comb	XVM1	74-8-5		76-5-61	Navy 46377	x	Complete	P	

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 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.
¶ 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 uncased 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.

NOTES	CANNON	Com- plete Round Drg. No.	PROJECTILE										FUZE			CARTRIDGE BAG		PROPELLING CHARGE		PRIMER			PACKING					Assembly No.																																																																																																																																																																																																																																																																																																																																																	
			Kind	Type	Mk. or Mod.	Drg. No.	Wt. loaded and fuzed	Charge			Material	Forging or Casting		Mk. or Mod.	Type	Drg. No.	Mk. or Type	Drg. No.	Nominal Weight	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.	

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
C.S.C. - Cartridge storage case

" See also Drawings 75-11-37 and 43. For igniter protector cap see Drawing 71-9-34.
** Guns in emplacements fitted with electrical equipment, use electric primer for seacoast cannon, Drawing 74-5-18, with friction primer for emergency use.
* A.P. projectiles issued since January 1, 1923, approximately, have been fitted with Mk. X B.D. fuze. Those issued prior were equipped with earlier types.
** A supply of Mk. II drill projectiles, Drawing 72-1-49, is on hand and will be issued until exhausted.
Some charges in storage are packed in Navy tanks, Navy Drawing 66747.
 ϕ Consists of three - $\frac{1}{8}$ charges and two - $\frac{1}{8}$ charges.
 ϕ This design is obsolete, but replacement parts may be ordered from this drawing.
 ϕ Unserviceable A.P. projectiles may be used for target practice in lieu of cast-iron projectiles.
x Shipped uncrated with rope grommet.
() Some pyro powder charges are on hand available for issue.

Issued - August 15, 1924.

Revised - February 1, 1941.

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

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

NOTES	BOMB								ADAPTER-BOOSTERS				FUZES				PRIMER-DETONATORS				PACKING BOXES OR CRATES						Assembly No.
	Type		Assembly complete Drg. No.	Drg. No.	Weight loaded and fuzed	Charge			Nose		Tail		Nose		Tail		Nose		Tail		Bomb	Fuze		Primer-Detonators			
						Weight	Kind	Drg. No.	Design- nation	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.		Drg. No.	Nose	Tail	Nose	Tail	
S	30-lb.,	M5	82-0-19	()	lb. 30.0	Lb. 4.51	TNT		M26	82-3-123			XIV	73-8F-1			IIC%	82-3-219			76-16-153	76-16-111		76-8-26		1	
S & M	23-lb.,	M10	82-0-29*	82-3-253	24.1	2.7	TNT	82-14-15					M104	73-8-28							76-1-327	76-16-216				2	
S & M	20-lb.,	M11	82-0-39**	82-3-275	19.8	2.7	TNT	82-14-15					# 8 M10	73-8-47							76-1-340 341	# 76-16-244				3	

S - Issue
M - Manufacture

% - Mk. IIB Primer-Detonator may be used when the Mk. IIC Inst. is not available; for Can, Packing; See Drg. 76-8-33.
 () - See Drawings 82-3-140, 142, and 153.
 Note For arming wire assemblies, see Drawing 82-3-234.
 # - Approximately 25,000 Bombs equipped with Nose Fuze, M109, Drg. 73-8-46, for Packing see Drawing 76-1-279; 76-15-216.
 \$ - Nose Fuze, M110 for Container see Drg. 76-1-343.
 @ - Nose Fuze, M104 for Container see Drg. 76-1-279.
 * - Parachute, Drg. 82-3-265.
 ** - Fin, Drg. 82-3-276.
 \$ - Detonator, M13, Drg. 82-3-282.

Issued - August 15, 1924.
Revised - December 15, 1941.

ADAPTER CLUSTERS FOR BOMBS

NOTES	BOMB					ADAPTER, CLUSTER		FIRING MECHANISM		CARTRIDGE		PACKING BOXES OR CRATES	Cluster Drg. No.	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.			
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	M1	82-3-314	M7 *	82-3-319		76-16-286	3

S - Issue
M - Manufacture

* - Cartridge (3. Sec. Delay).

Issued - December 15, 1941.

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 fuzed	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.		Drg. No.	Nose	Tail	Drg. No.		Drg. No.	Drg. No.	Drg. No.
S	100-lb., Mk. IMIV	82-0-30	82-3-24	Lb. 123	Lb. 65	TNT	82-14-16	Mk. BVIIIDa	82-3-149	M107	82-3-255	M105	73-8-30	M106	73-8-36					76-16-139	76-17-218	@	76-16-222			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-M100A1	73-8-3			M14	b 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.

a - M1 Detonator Socket Charge and Retainer inserted in Adapter Booster.

** - Tail fuze AN-M112 (73-8-73) is an additional type for 100-lb., G.P. Bomb.
Tail fuze M106 are on hand.

- Auxiliary Booster M104, Drg. 82-3-212 (1 required) for Packing, see Drg. 76-16-201.

% - Fuze Seat Liner, See Drg. 82-3-182.

† - Nose Fuze, AN-M103, for Container, see Drg. 76-1-262.

@ - Tail Fuze, M106 for Container, See Drg. 76-1-284.

* - 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.

(73-8-69)
(73-8-70)

(May be used in Tail Fuze AN-M100A1; Fuze equipped with .1 sec. Delay.

@ - Tail, Fuze AN-M100A1 for container, See Drg. 76-1-222.

Issued - August 15, 1924.

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DEMOLITION AND GENERAL PURPOSE BOMBS

NOTES	BCMB							ADAPTER-BOOSTERS				FUZES				PRIMER-DETONATORS				PACKING						Assembly No.
	Type	Assembly Complete Drg. No.	Drg. No.	Weight loaded and fused	Charge			Nose		Tail		Nose		Tail		Nose		Tail		Bomb		Fuze		Primer-Detonators		
					Weight	Kind	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Drg. No.	Fin Assembly Drg. No.	Drg. No.	Drg. No.	Nose	Tail	
S	600-lb., Mk. IMII	82-0-32	82-3-108	Lb. 616	Lb. 355	TNT	82-14-18	Mk. BIXDb	82-3-110	M107 M109a	(82-3-255) (82-3-264)	M105	73-8-30	M106	73-8-36					76-39-2	76-16-174	76-16-218	76-16-222			1
S	2000-lb., Mk. IMIII	82-0-34	82-3K-3	2,060	950	TNT	82-14-20	Mk. BXVIEc	82-3-167	M108	82-3-257	M105	73-8-30	M106, Long	73-8-39					\$	76-16-98	76-16-218			2	
S	2000-lb., Mk. IMIV	82-0-35	82-3L-3	2,060	965	TNT	82-14-21	Mk. BXVIEc	82-3-167	M108	82-3-257	M105	73-8-30	M106, Long	73-8-39					\$	76-16-98	76-16-218			3	
S	2000-lb., Mk. IMV	82-0-36	82-3N-1	2,030	975	TNT	82-14-22	Mk. BXVIEc	82-3-167	M108	82-3-257	M105	73-8-30	M106, Long	73-8-39					\$	76-16-98	76-16-218			4	
S	300-lb., M31	82-0-13	82-3-190	285	132	Amatol	82-14-9	# %		M102 #	82-3-129	M103	73-8-14	M106 #	73-8-36					76-39-4	76-16-177	76-16-211	76-16-222			5
S	600-lb., M32	82-0-14	82-3-180	595	319	Amatol*	82-14-7	# %		M102 #	82-3-129	M103	73-8-14	M106 #	73-8-36					76-39-5	76-16-174	76-16-211	76-16-222			6
S	1100-lb., M33	82-0-15	82-3-194	1,098	588	Amatol*	82-14-10	# %		M102 #	82-3-129	M103	73-8-14	M106 #	73-8-36					76-39-6	76-16-183	76-16-211	76-16-222			7
S & M	250-lb., AN-M57 (GP)	82-0-60	82-3-317	250	123	Amatol	82-14-30	# %		M102 #	82-3-129	AN-M103	73-8-14	AN-M100A1	d 73-8-3			M14	d 73-8-67	76-39-4	*** 76-16-177	76-16-211	76-16-166		76-7-649	8
S & M	500-lb., AN-M43 ^o (GP)	82-0-27	82-3-244	496	266	Amatol	82-14-13	# %		M102 #	82-3-129	AN-M103	73-8-14	AN-M101A1	d 73-8-7			M14	d 73-8-67	76-39-8	*** 76-16-224	76-16-211	76-16-166		76-7-649	9
S & M	1000-lb., AN-M44 ^{oo} (GP)	82-0-28	82-3-248	966	538	Amatol	82-14-14	# %		M102 #	82-3-129	AN-M103	73-8-14	AN-M102A1	d 73-8-8			M14	d 73-8-67	76-39-9	*** 76-16-227	76-16-211	76-16-166		76-7-649	10
S & M	2000-lb., AN-M34 (GP)	82-0-16	82-3-198	1,987	1,077	Amatol*	82-14-11	# %		M102 #	82-3-129	AN-M103	73-8-14	AN-M102A1	d 73-8-8			M14	d 73-8-67	76-39-7	*** 76-16-180	76-16-211	76-16-166		76-7-649	11
S & M	4000-lb., M56 (LC)	82-0-55	82-3-302	4,188	3,245	Amatol	82-14-29	## %		M102	82-3-129	AN-M103	73-8-14	AN-M102A1	f 73-8-72			M14	f 73-8-70	76-39-10	*** 76-16-260	76-16-211	76-16-166		76-7-649	12
S & M	325-lb., AN-Mk. 17M1 (D.B.) g	Navy 294,379	Navy 294,370		243.	TNT	Navy 294,369					AN-Mk. 19	Navy 202,656							Navy 294,248	Navy 294,264				13	

S - Issue
M - Manufacture
GP - General Purpose
LC - Light Case
D.B. - Depth Bomb

- a - M109 Auxiliary Booster in some bombs only.
b - M1 Detonator Socket Charge and Retainer inserted in Adapter Booster.
c - M1 Detonator Socket Charge, Relay Holder Assembly and Retainer inserted in Adapter Booster.
d - Primer Detonator, M14, Drg. (73-8-68) Can, Packing, Drg. 76-7-648 (73-8-69) (73-8-70)
(May be used in Tail Fuze AN-M100A1, AN-M101A1 & AN-M102A1; Fuze equipped with .1 sec. Delay).
e - Primer, Percussion, M26, Drg. 74-2-39; Can, Packing 76-1-362; Box, Packing 76-16-245, (Used in Tail Fuze, M106).
f - Primer Detonator, M14, Non Delay used in Tail Fuze, M102A1.
g - Hydrostatic Fuze, AN-Mk. 24 (Navy) See Drg. 233,404.

- ## - Auxiliary Booster, M111, Drg. 82-3-307.
Note - For Arming Wire Assemblies see Drg. 82-3-234.
* - Some bombs loaded with TNT.
\$ - Body assembly shipped uncrated.
- Tail fuzes AN-M100A1, AN-M101A1, and AN-M102A1 may be used in the following bomb: (AN-M100A1 for 300-lb.) (AN-M101A1 " 600 ") (AN-M102A1 " 1,100 ")
** - Tail fuzes AN-M112 (73-8-73), AN-M113 (73-8-74), and AN-M114 (73-8-75) are additional types for G.P. Bombs as follows: (AN-M112 for 250 lb.) (AN-M113 " 500 ") (AN-M114 " 1000 and 2000 lb.)
Tail fuzes M106 are on hand.
*** - Packing Boxes being superseded by Metal Packing Crates.
- Auxiliary Booster, M104, Drg. 82-3-212 (2 required), one on nose, one on tail; for packing see Drg. 76-16-201.
% - Fuze Seat Liner, See Drg. 82-3-182.
- Nose Fuze, AN-M103 for container see Drg. 76-1-262.
- Tail Fuze, M106 for container see Drg. 76-1-284.
o - Band, Trunnion, M1, see Drg. 82-3-309, (for use on dive bombers only).
oo - Band, Trunnion, M2, see Drg. 82-3-310, (for use on dive bombers only).
@@@ - Tail Fuze AN-M100A1, for container see Drg. 76-1-222.
" " AN-M101A1, " " " " 76-1-224.
" " AN-M102A1, " " " " 76-1-225.

Issued - August 15, 1924.
Revised - December 15, 1941.

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 and fuzed	Charge			Nose		Tail		Nose		Tail		Nose		Tail		Bomb		Fuze		Primer-Detonators		
					Weight	Kind	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Designation	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Body Drg. No.	Fin Assembly Drg. No.	Nose Drg. No.	Tail Drg. No.	Nose Drg. No.	Tail Drg. No.	
S & M	500-lb., AN-M58 (S.A.P.)	82-0-61	82-3-323	Lb. 480.	Lb. 155.	Amatol	82-14-31	%		M102 #		#		AN-M101A1	b 73-8-7			M14	b 73-8-67	76-39-11		@	76-16-166		76-7-649	1
S & M	1000-lb., AN-M59 (S.A.P.)	82-0-62	82-3-329	990.	308.	Amatol	82-14-32	%		M102 #		#		AN-M102A1	b 73-8-8			M14	b 73-8-67	76-39-12		@	76-16-166		76-7-649	2
S	1000-lb., M52 (A.P.) °	82-0-58	75-12-4	1077	58.35	Expl. D	82-14-28			M110	82-3-289			M102 or AN-M102A1	b 73-8-8			M14	b 73-8-67		76-16-251	@	76-16-166		76-7-649	3
S & L	1600-lb., AN-Mk. 1, (A.P.)	Navy 300,210	Navy 294,199	1613	228.	Expl. D	Navy 294,198							AN-Mk. 28	Navy 236,220					Navy 300,209	Navy 300,211					4

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

Note - For Arming Wire Assemblies, See Drg. 82-3-234.
% - Fuse Seat Liner, See Drg. 82-3-182
- Nose Plug, See Drg. 82-3-326.
- Auxiliary Booster, M104 82-3-212 (1 required), one on tail; for packing, see Drg. 76-16-201.
o - Band, Trunnion M3, See Drg. 82-3-334. (for use on dive bombers only).

@ - Tail Fuze AN-M101A1, for Container See Drg. 76-1-224.
Tail Fuze AN-M102A1, for Container See Drg. 76-1-225.
b - Primer Detonator, M14, Drg. (73-8-68) Can, Packing, Drg. 76-7-648.
(73-8-69)
(73-8-70)
(May be used in Tail Fuze AN-M101A1 and AN-M102A1; Fuze equipped with .1 sec. delay).

Issued - December 15, 1941.

CHEMICAL BOMBS

NOTES	BOMB							ADAPTER-BOOSTERS OR BURSTERS				FUZES				PRIMER-DETONATORS				PACKING						Assembly No.
	Type	Assembly complete Drg. No.	Drg. No.	Weight loaded and fuzed Lb.	Charge			Nose		Tail		Nose		Tail		Nose		Tail		Bomb		Fuze		Primer-Detonators		
					Weight Lb.	Kind	Drg. No.	Designation	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Mk.	Drg. No.	Body Drg. No.	Fin Assembly Drg. No.	Nose Drg. No.	Tail Drg. No.	Nose Drg. No.	Tail Drg. No.	
S	30-lb. MI	82-0-20	82-3-156	29.07	9.1	HS	82-14-6	M100 *	82-3-125			XIV	73-8F-1			IIC**	82-3-219			76-16-116	76-16-116	76-16-111		76-8-26		1
S	30-lb. MI	82-0-20	82-3-156	32.72	12.8	WP	82-14-6	M101 *	82-3-126			XIV	73-8F-1			IIC**	82-3-219			76-16-116	76-16-116	76-16-111		76-8-26		2
S	30-lb. M46	82-0-38	82-3-271	26.8	20.6	HS	82-14-23	M3 °	82-3-274			§ 1008	73-8-44							76-16-240		76-16-238				3
S	30-lb. M46	82-0-45	82-3-271	35.2	29.	WP	82-14-26	M3 °	82-3-274			§ 1008	73-8-44							76-16-240						4
S	30-lb. M46A1	82-0-38	82-3-271	27.3	20.4	HS	82-14-23	M3 °	82-3-274			§ 1008	73-8-44							76-16-240						5
S	30-lb. M46A1	82-0-45	82-3-271	35.9	29.	WP	82-14-26	M3 °	82-3-274			§ 1008	73-8-44							76-16-240						6
S & M	30-lb. M46A2	82-0-38	82-3-271	31.4	19.8	HS	82-14-23	M3 °	82-3-274			§ 1008	73-8-44							76-16-240						7
S & M	30-lb. M46A2	82-0-45	82-3-271	39.2	28.1	WP	82-14-26	M3 °	82-3-274			§ 1008	73-8-44							76-16-240		76-16-238				8
S	100-lb. M47	82-0-40	82-3-277	93.	73.	HS	82-14-24	M4 ®	82-3-281			§ 1008	73-8-44							76-16-243		76-16-238				9
S & M	100-lb. M47A1	82-0-40	82-3-277			HS	82-14-24	M4 ®	82-3-281			§ 1008	73-8-44							76-16-243						10

S - Issue
M - Manufacture

* - Inner boosters. The outer booster case is shown on Drawing 82-3-139.
** - Mk. II-B instantaneous primer-detonator may be used when the Mk. II-C instantaneous primer-detonator is not available; for Can, Packing, See Drg. 76-8-33.
Note For arming wire assemblies, see Drawing 82-3-234.
° - Burster M3, for Packing see Drg. 76-16-239.
@ - Burster M4, for Packing see Drg. 76-16-249.
§ - Nose Fuze, M108, for Container see Drg. 76-1-329.
‡ - Detonator, M13; Drg. 82-3-282.
% - Nose Fuze, M108 for Container see Drg. 76-1-329.

Issued - January 2, 1930.
Revised - December 15, 1941.

PRACTICE AND DEMONSTRATION BOMBS

BOMB									ADAPTER-BOOSTERS				FUZES				PRIMER-DETONATORS			PACKING						Assembly No.	
NOTES	Type	Drg. No.	Weight loaded and fused	Explosive Charge			Inert Charge		Nose		Tail		Nose		Tail		Nose	Tail		Bomb	Fuze			Primer-Detonators			
				Wt.	Kind	Container	Wt.	Kind	Drg. No.	Designation	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	Practice, 3-lb., AN-Mk. 5, Mod. 1	Navy 227620	Lb. 3.	Lb. .028	Black Powder	Navy 112,214	Lb.																			1	
S & M	Practice, 17-lb., M37	82-0-26	22.5	.75	Smoke charge	78-2-175							73-8-22	M104 practice						(76-16-194) (76-16-195)	76-16-223					2	
S & M	Practice, 100-lb., M38A2 \$ ***	82-0-23	100	3	Black Powder	82-3-228	\$80	Sand							82-3-228	@				76-8-62		76-16-214				3	
S & M	Practice, 20-lb., M45 oo	82-0-37	20.45	.13	Black Powder	82-3-270%							73-8-41	M107						76-16-242						4	
*S	Practice, 300-lb., Mk. I	82-3-39	290	4	Black Powder	82-3-124	144	Sand			73-8G-1	Practice, Mk. B1			73-8G-1	Practice, Mk. I	()	73-8G-1	76-16-16		76-16-45		76-16-18	76-16-18		5	
S & M	Practice, 20-lb., M48 oo	82-0-44	19.7	.13	Black Powder	82-3-270%							73-8-47	M110 #						76-16-242	\$76-16-244					6	

S - Issue
M - Manufacture
Note - For arming wire assemblies, see Drawing 82-3-234.

* - From stock of unloaded demolition bombs, Mk. I series.
() - Primer-detonator assembly, Mk. I, practice.
o - Packing box for tail adapter-booster.
@ - Spotting charge M1A1.
- Nose Fuze, M110 for container see Drg. 76-1-343.
*** - Band, Suspension, M1, See Drg. 82-3-308. (for use on dive bombers only).
- Detonator, M13, Drg. 82-3-282.
oo - Fin, Drg. 82-3-276.
\$ - Special loading for 53-lb. bomb to consist of 1 part sand and 2 parts sawdust to equal 33 lbs.
% - Spotting charge, for Container see Drg. 76-10-55; for Packing Box see Drg. 76-16-255.

Issued - September 6, 1924.
Revised - December 15, 1941.

GRENADES--HAND AND RIFLE

NOTES	NOMENCLATURE	COMPLETE ROUND DRG. NO.	DRG. NO.	WEIGHT LOADED AND FUZED	CHARGE			FUZE ASSEMBLY		RIFLE RODS	CARTRIDGE		PACKING					REMARKS	Assembly No.
													Grenade		Fuze Assembly	Rifle Rods and Blank Cartridge	Shipped		
					Box	Fiber Container	Box	Box											
					Weight	Kind	Drq. No.	Desig- 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	Oz. 1.85	TNT		M5	82-1-30				76-16-1		76-16-40		Unfuzed	Wrench needed	1
S & M	Grenade, hand, fragmentation, Mk. II		82-1-15	21.0	11.8	E.C.	82-1-15	M10A1	82-1-46				76-16-187	76-1-250	76-16-189		Fuzed		2
S & M	Grenade, hand, irritant (C.N.-D.M.), M6	82-0-9	82-1-58	17.0	10.2	C.N.-D.M.	75-14-187	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		3
S & M	Grenade, hand, tear (C.N.), M7	82-0-10	82-1-59	17.0	10.2	C.N.	75-14-188	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		4
S & M	Grenade, hand, smoke (H.C.), M8	82-0-11	82-1-60	28.0	20.6	H.C.	75-14-189	M200A1	82-1-56				76-16-188	76-1-252	76-16-189		Fuzed		5
S	Grenade, hand, practice, Mk. II		82-1-15	20.0	Empty			M5	82-1-30				76-16-187	76-1-250	76-16-40		Fuzed		6
S & M	Grenade, hand, practice, Mk. II	82-0-1	82-1-48	20.5	.05	Black powder		M10A1	82-1-46				76-16-187	76-1-250	76-16-189		Fuzed		7
**#S	Grenade, hand, dummy, Mk. II		82-1-15	22.0									76-16-114				Complete		8
*()S	Grenade, hand, dummy, Mk. I		82-1-7	22.0									76-16-1				Complete		9
%()S	Grenade, rifle, lachrymatory (C.N.) Mk. II	82-0-2	82-2-23	17.4	3.53	C.N.	75-14-169	M8	82-2-26	82-2-34	Blank	B6153	76-16-104			76-16-101	Fuzed		10

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

* Dummy grenade, Mk. I, may be issued for practice until supply is exhausted.
** Fragmentation hand grenade, Mk. II, bodies with fuze (with live cap), without detonator, may be used as dummy grenades. Bodies alone may be used if fuzes are not available.
% Some grenades, rifle, Lachrymatory (C.N.) Mk. II, have been packed with fuzes in separate boxes.
() To be propelled from U.S. rifle (caliber .30).
Plug in grenade body omitted.

Issued - September 6, 1924.
Revised - January 1, 1940.

SUBCALIBER AMMUNITION FOR FIELD ARTILLERY AND SEACOAST GUNS AND MORTARS

NOTES	CANNON SUBCALIBERED	SUBCALIBER GUN Caliber	COM- PLETE ROUND DRG. NO.	PROJECTILE								FUZE			CARTRIDGE CASE		WEIGHT OF PRO- PELLING CHARGE	PRIMER			PACKING BOX			Assembly No.	REMARKS			
				Kind	Type	Designation	Drg. No.	Weight loaded and fuzed	Charge		Material	Forging or Casting		Designation	Type	Drg. No.		Designation	Drg. No.	Type ***	Designation	Drg. No.	Round					
									Weight	Kind		Type	Drg. No.										Drg. No.			Drg. No.	Drg. No.	Shipped
S	75-mm. 1897	0.22		Bullet				Gr.	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.	M23A1	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.	M23A1	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	g		
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
 Perc. - Percussion
 Ignit. - Igniting
 " Barrel shown on Drawing 42-5-5; adapter on Drawing 63-36-1.
 " Exterior mount
 g Use Mk. IIIA1 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.

() Issued in three zones (Zone 1 - 550 f/s., 4½ oz.
 (Zone 2 - 625 f/s., 5 oz.
 (Zone 3 - 700 f/s., 6 oz.
 g Mk. I shrapnel, Drawing 75-2-163, may be used if available.
 o For issue to National Guard only.
 X Barrel chambered same as U.S. rifle M1898.
 \$ 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	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			Oz.									76-7-630 ^a	Use Commercial No. 10 Cage Blank Cartridge	1
S & M	37 M/M Field Gun, M1916	75-1-28	Mk. 1A2	71-2-73	3.2	20-gr. perc.	M23A1	74-2-37			Pulpboard	75-1-28	100	76-1-148		2
S & M	Adapter, M2 for 37 M/M Guns, M3 & M5	75-1-119												76-7-632	Use Commercial No. 10 Cage Blank Cartridge	3
S & M	75 M/M Field Gun, M1897, M1916, & M1917	75-1-67	M9A1	71-2-99	1b. .87"	100-gr. perc.	M1B1A1	74-2-32	-----	-----	Pulpboard	75-1-67	20	76-1-159		4
S & M	75 M/M Field Gun M1897, M1916, & M1917	75-1-107	M9A1	71-2-99	.43"	100-gr. perc.	M1B1A1	74-2-32	-----	-----	Pulpboard	75-1-107	20	76-1-159		5
*S & M	75 M/M Field Gun, M1897, M1916, and M1917	75-1-30	M9	71-2-99	1.0	20-gr. perc.	M23A1	74-2-37	#	75-1-30	Pulpboard	75-1-30	20	76-1-159		6
S & M	75 M/M Pack Howitzer, M1	75-1-67	M9A1	71-2-99	.87"	100-gr. perc.	M1B1A1	74-2-32	-----	-----	Pulpboard	75-1-67	20	76-1-159		7
**S & M	75 M/M Pack Howitzer, M1	75-1-30	M9	71-2-99	1.0	20-gr. perc.	M23A1	74-2-37	#	75-1-30	Pulpboard	75-1-30	20	76-1-159		8
S & M	3-inch 15-pdr., (M1903) and A.A. gun (M1917, M'17A2, M'17MI, M'17MTA2, M'17MTI, M1925 M1, M2, and M4).	75-1-32	M12	71-6-19	1.0	100-gr. perc.	M1B1A1	74-2-32	#	75-1-32	Pulpboard	75-1-32	10	76-1-141		9
S & M	3-inch 15-pdr., (M1808 and M1902) and A.A. gun (M1918, M'18MI, M1, and M3).	75-1-53	M13	71-5-6	1.0	100-gr. perc.	M1B1A1	74-2-32	#	75-1-33	Pulpboard	75-1-33	10	76-1-145		10
S	3-inch Field Gun M1902, M1904, and M1905	75-1-62	M10	71-2-106	OZ. 6.9g	100-gr. perc.	M1B1A1	74-2-32			Pulpboard	75-1-62	20	76-1-159		11
S	3-inch Field Gun M1902, M1904, and M1905	75-1-63	M10	71-2-106	13.8"	100-gr. perc.	M1B1A1	74-2-32			Pulpboard	75-1-62	20	76-1-159		12
S & M	105 M/M Howitzer, M2	75-1-42	M15	71-2-108	2.0	100-gr. perc.	M1B1A1	74-2-32	#	75-1-42	Pulpboard	75-1-42	10	76-1-204		13

S - Issue
M - Manufacture
Perc. - Percussion

" Double Pellet
Single Pellet
Cotton sheeting, unbleached; alternative, cartridge bag cloth, grade "E".
a Storage Chest contains 10 adapters, and 100 No. 10 blank cartridges.
* Substitute for assembly 5.
** Substitute for assembly 7.

Issued - September 6, 1924.

Revised - February 1, 1941.

PYROTECHNICS

NOTES	PISTOL OR PROJECTOR		COM- PLETE ROUND DRG. NO.	NOMENCLATURE	Design- nation	Weight Loaded and Fuzed	Illumi- nant Weight	PYROTECHNIC															PACKING		Assembly No.
	Designa- tion	Drg. No.						Propellant		Expelling Charge			Case	Ignition			Parachute		APPROXIMATE TIME OF BURNING	APPROXI- MATE CANDLE- POWER	Container	Box			
								Wt.	Kind	Wt.	Kind	Drg. No.	Drg. No.	Delay in secs.	Type	Drg. No.	Designa- tion	Drg. No.							
S & M			78-0-7	Flare, aircraft, parachute	M8A1*	Lb. 17.6	Lb. 10.00	Gr.	None	Gr.	None		78-2-142		Friction	78-2-139		78-2-144	3 minutes	350,000	76-1-247	(76-16-231) (76-16-212)	1		
S & M	M2	42-26-1	78-0-11	Flare, aircraft, parachute	M9	1.91	1.11	15	A5 Army black powder	30	Army black powder	78-2-164	78-2-164		Perc., M27	74-2-40		78-2-166	1 minute	60,000	76-1-205	76-16-163	2		
S & M	Mk. III (10-gage)	78-2-1	78-0-26	Light, signal, Very, red star	Mk. II	.06	.034	10.	A3 Army black powder				78-2-238		Perc.	78-2-238	None	None	7 seconds	300	76-1-349	76-16-246	3		
S & M	Mk. III (10-gage)	78-2-1	78-0-27	Light, signal, Very, white star	Mk. II	.06	.031	10.	A3 Army black powder				78-2-238		Perc.	78-2-238	None	None	6 seconds	250	76-1-349	76-16-246	4		
S & M	Mk. III (10-gage)	78-2-1	78-0-28	Light, signal, Very, green star	Mk. II	.06	.032	10.	A3 Army black powder				78-2-238		Perc.	78-2-238	None	None	5 seconds	600	76-1-349	76-16-246	5		
S & M	M2	42-26-1	78-0-10	Signal, aircraft, red star, parachute	M11	.59	.14	31	Black powder	31	Army black powder	78-2-159	78-2-159	2.5	Perc., M27	74-2-40	M2	78-2-153	30 seconds	20,000	76-1-226	76-16-167	6		
S & M			78-0-13	Flare, airport	M13	2.3	1.9						78-2-197		Friction	78-2-197			3 minutes	40,000	76-1-269	76-16-215	7		
S & M	M2	42-26-1	78-0-14	Signal, aircraft, red star cluster	M14	.71	.31	21	Black powder	31	Army black powder	78-2-214	78-2-218	2.5	Perc., M27	74-2-40	None	None	8-11 sec.	4,000	76-1-226	76-16-167	8		
S & M	M2	42-26-1	78-0-15	Signal, aircraft, white star blinker, parachute	M15	.58	.13	31	Black powder	31	Army black powder	78-2-231	78-2-218	2.5	Perc., M27	74-2-40	M2	78-2-153	40 seconds	10,000	76-1-226	76-16-167	9		
S & M	M2	42-26-1	78-0-16	Signal, aircraft, green star blinker, parachute	M16	.58	.13	31	Black powder	31	Army black powder	78-2-233	78-2-218	2.5	Perc., M27	74-2-40	M2	78-2-153	47 seconds	1,500	76-1-226	76-16-167	10		
S & M	M1, M3 or M4	%	78-0-17	Signal, ground, white star, parachute	M17	.68	.16	32	Smokeless pdr.	16	A4 Army black powder	78-2-211	78-2-212	5.5	Perc.	74-2-26		78-2-128	25 seconds	20,000	76-1-309	76-16-232	11		
S & M	M1, M3 or M4	%	78-0-18	Signal, ground, white star cluster	M18	.74	.25	32	Smokeless pdr.	16	A4 Army black powder	78-2-229	78-2-212	5.5	Perc.	74-2-26	None	None	6 seconds	18,000	76-1-309	76-16-232	12		
S & M	M1, M3 or M4	%	78-0-19	Signal, ground, green star, parachute	M19	.66	.16	32	Smokeless pdr.	16	A4 Army black powder	78-2-211	78-2-212	5.5	Perc.	74-2-26		78-2-128	25 seconds	5,000	76-1-309	76-16-232	13		
S & M	M1, M3 or M4	%	78-0-20	Signal, ground, green star cluster	M20	.74	.25	32	Smokeless pdr.	16	A4 Army black powder	78-2-229	78-2-212	5.5	Perc.	74-2-26	None	None	5 seconds	7,000	76-1-309	76-16-232	14		
S & M	M1, M3 or M4	%	78-0-21	Signal, ground, amber star, parachute	M21	.64	.13	32	Smokeless pdr.	16	A4 Army black powder	78-2-211	78-2-212	5.5	Perc.	74-2-26		78-2-128	25 seconds	4,000	76-1-309	76-16-232	15		
S & M	M1, M3 or M4	%	78-0-22	Signal, ground, amber star cluster	M22	.71	.25	32	Smokeless pdr.	16	A4 Army black powder	78-2-229	78-2-212	5.5	Perc.	74-2-26	None		5 seconds	2,000	76-1-309	76-16-232	16		
S & M			78-0-23	Bomb, photo-flash	M23	10.5	7.75		None		None		78-2-202	15	Friction	78-2-205	None	None			76-1-313	76-16-235	17		
S & M			78-0-24	Flare, aircraft, parachute	M24	43.5	14.0		None		None		78-2-221		Friction	78-2-139		78-2-144	3 minutes	800,000	76-1-310	76-16-233	18		
S & M			78-0-25	Signal, drift	M25	1.7	.28		None		None		78-2-198	3	Perc., M29	74-2-43			1 minute		76-8-68	76-16-237	19		
S & M			78-0-29	Flare, aircraft, parachute	M26	52.5	14.0		None	70	Army black powder	73-8-59	78-2-249		Friction	78-2-247		78-2-242	3 minutes	800,000	76-16-258	76-16-256	20		
S & M	M1A1	\$	78-0-30	Signal, Ground High Burst Ranging	M27	.42	.14	32.	Smokeless pdr.		None		78-2-260	5	Perc.	74-2-26	None		Inst.				21		

S - Issue
M - Manufacture
Perc. - Percussion
Gr. - Grains
Inst. - Instantaneous

- Packing Box with Metal Liner.
% - For M1 See Drg. 78-2-119.
For M3 See Drg. C64240
For M4 See Drg. B166293
* - When suspended horizontally 2 suspension bands, Drg. 78-2-143 are used.
- Fuze, Flare, Mechanical Time, M111 (Can, Packing 76-1-355
Drg. 73-8-53 (Box, Packing 76-16-247
Mechanical Time Fuze Mechanism (Can, Packing 76-7-646
(Box, Packing 76-7-647
\$ - For M1A1 See Drg.

Issued - June 29, 1929.

Revised - December 15, 1941.

NOTES	NOMENCLATURE	COMPLETE ROUND DRC. NO.	Drg. No.	Weight loaded and fuzed	Weight
				Lb.	Lb.
S & M	Mine, M1 (Anti-Tank)		82-15-1	10.2	5.83
S & M	Mine, M1 Practice (Anti-Tank)		82-15-4	9.2	----

S - Issue
M - Manufacture

* - 100 Mine Fuzes per Box
** - 5 Mines & 5 Fuzes per Box

MINES, (ANTI-TANK)

Charge		Fuze Assembly		Packing		REMARKS	Assembly No.
Kind	Drg. No.	Designation	Drg. No.	Fuze Drg. No.	Mine Drg. No.		
Cast TNT	75-14-262	M1	73-9-1	* 76-1-339	** 76-1-338		1
----	-----	M1 Practice	73-9-3	* 76-1-339	** 76-1-338		2

February 1, 1941.



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