



PRINCIPLES OF ARTILLERY WEAPONS, TM 9-3305, US ARMY

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This manual is intended for use in training field artillery personnel in the history and fundamentals of artillery weapons. It discusses only the basic theory and principles underlying the functioning of current field artillery weapons.

Cannon Field Artillery Weapons. This manual is devoted primarily to the principles of cannon field artillery weapons. It explains the principles of the major components of these weapons and the application of these components on current field artillery weapons.

Rockets and Guided Missiles. Since guided missiles are included in the family of field artillery weapons, they are also discussed in this manual.

Catapult.

2-2 Early carriage.

2-3 Early rifled cannons.

2-4 Civil War cannon.

2-5 French 75-mm gun, model of 1897.

2-6 6-inch gun on barbette carriage.

2-7 16-inch barbette carriage in casemate.

2-8 American 75-mm gun, model of 1916.

2-9 French 155-mm gun (Filloux).

2-10 French 155-mm howitzer (Schneider).

2-11 M1 4.5-inch gun on M1 carriage.

2-12 M1 155-mm gun on M2 (Long Tom) carriage.

2-13 M1 8-inch gun on M2 carriage.

2-14 M85 280-mm gun.

2-15 M1A1 75-mm pack howitzer on M1 (M1 16) carriage.

2-16 M2A1 105-mm howitzer on M2 (M101) carriage.

2-17 M1 155-mm howitzer on M1 (M114) carriage .

2-18 M1 8-inch howitzer on M1 (M1 15) carriage

2-19 M1 240-mm howitzer on M2 carriage

M108 105mm self-propelled light howitzer.

2-34 M109 155-mm self-propelled medium howitzer.

2-35 M109A1 155-mm self-propelled medium howitzer.

2-36 M110 8-inch self-propelled heavy howitzer.

2-37 M110A1 8-inch self-propelled heavy howitzer.

2-38 M1 10A2 8-inch self-propelled heavy howitzer.

2-39 M1 19 4.5-inch multiple rocket launcher.

2-40 Honest John rocket launcher.

2-41 Little John rocket launcher.

2-42 Corporal guided missile.
2-43 Lance guided missile.
2-44 Pershing guided missile.
2-45 Sergeant guided missile.
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3-2 M102 howitzer.
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