

Artillery in the American Revolution

Fig. 1.^m



Andrew Outten

Historical Programs Manager

Fig. 2.ⁿ



Artillery in the American Revolution

Roles:

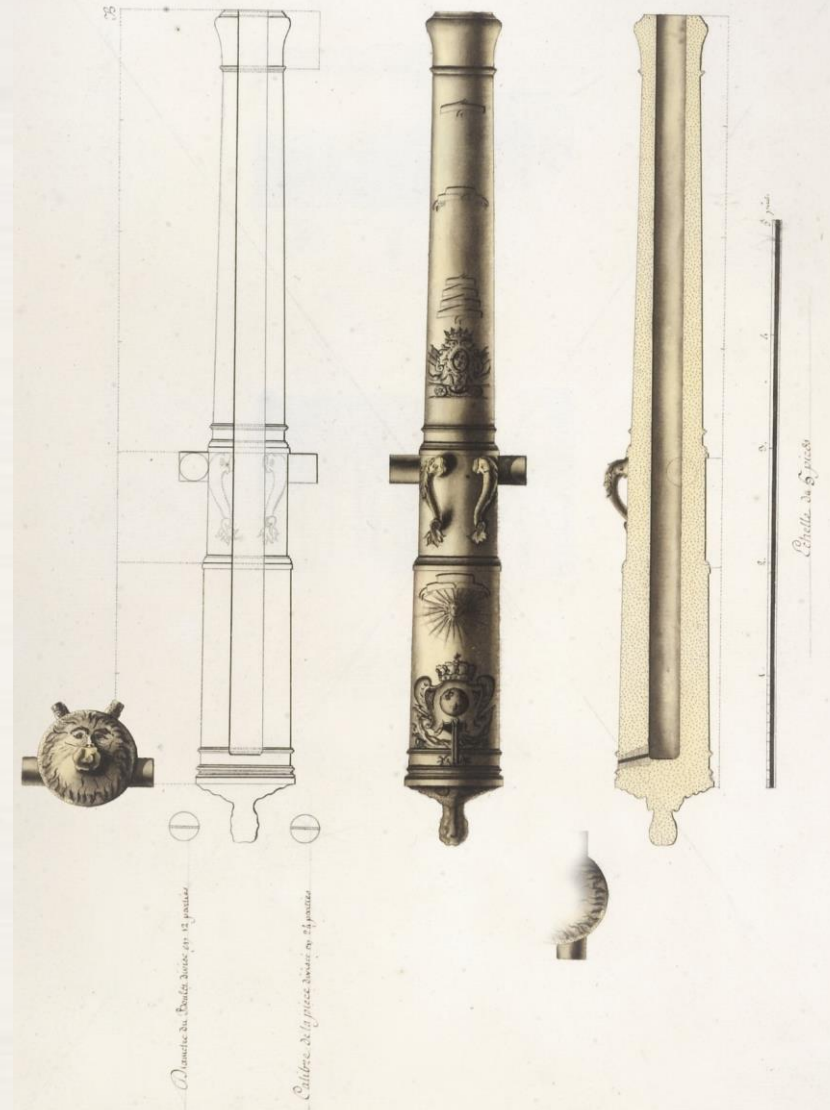
Anti-Material
Anti-Personnel

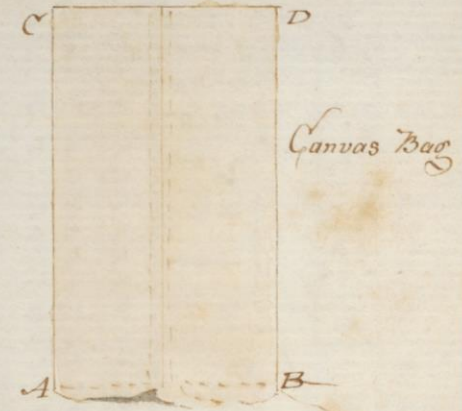
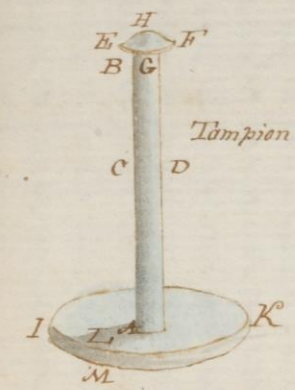
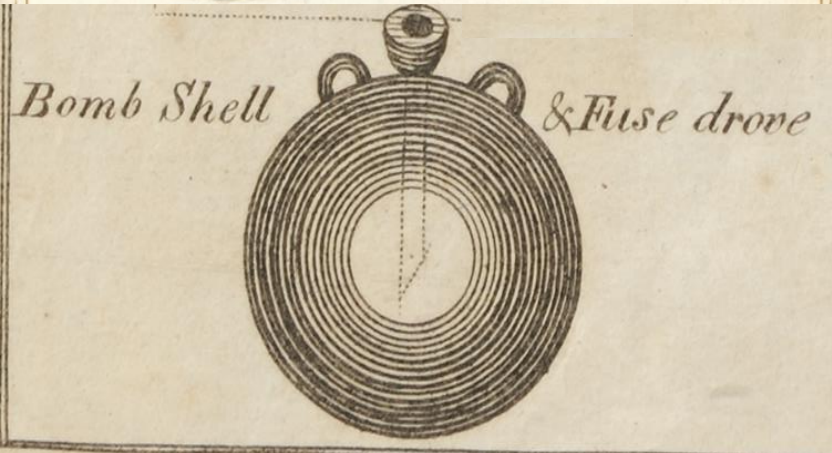
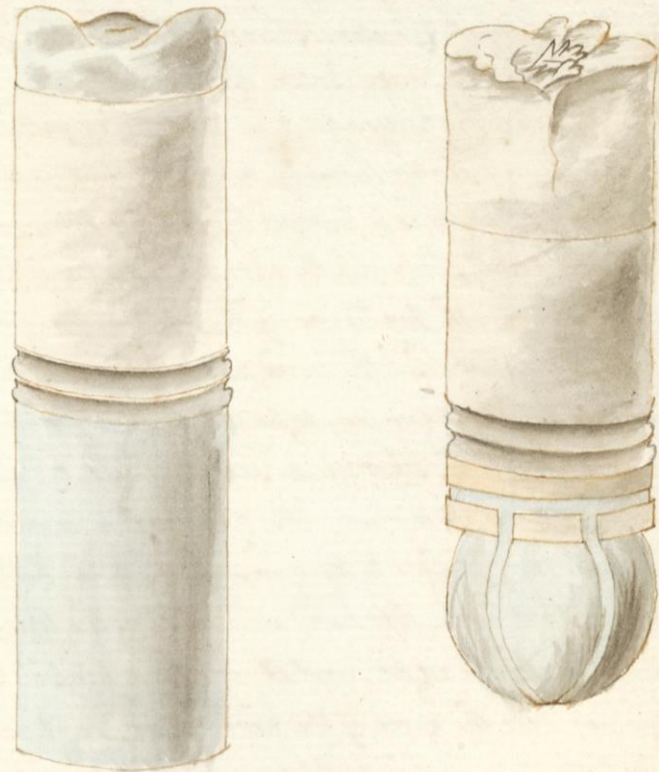
Ammunition/Projectiles:

Solid Shot
Grape
Canister/Case
Shell/Bomb

Types of Fires

Direct
Flanking/Enfilade
Ricochet
Breaching





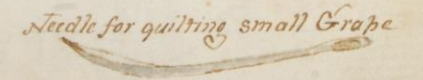
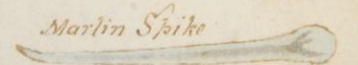
Bag with Shot before quilted



Grape with 9 Shot



Grape with 20 Shot



Field Guns

Attributes:

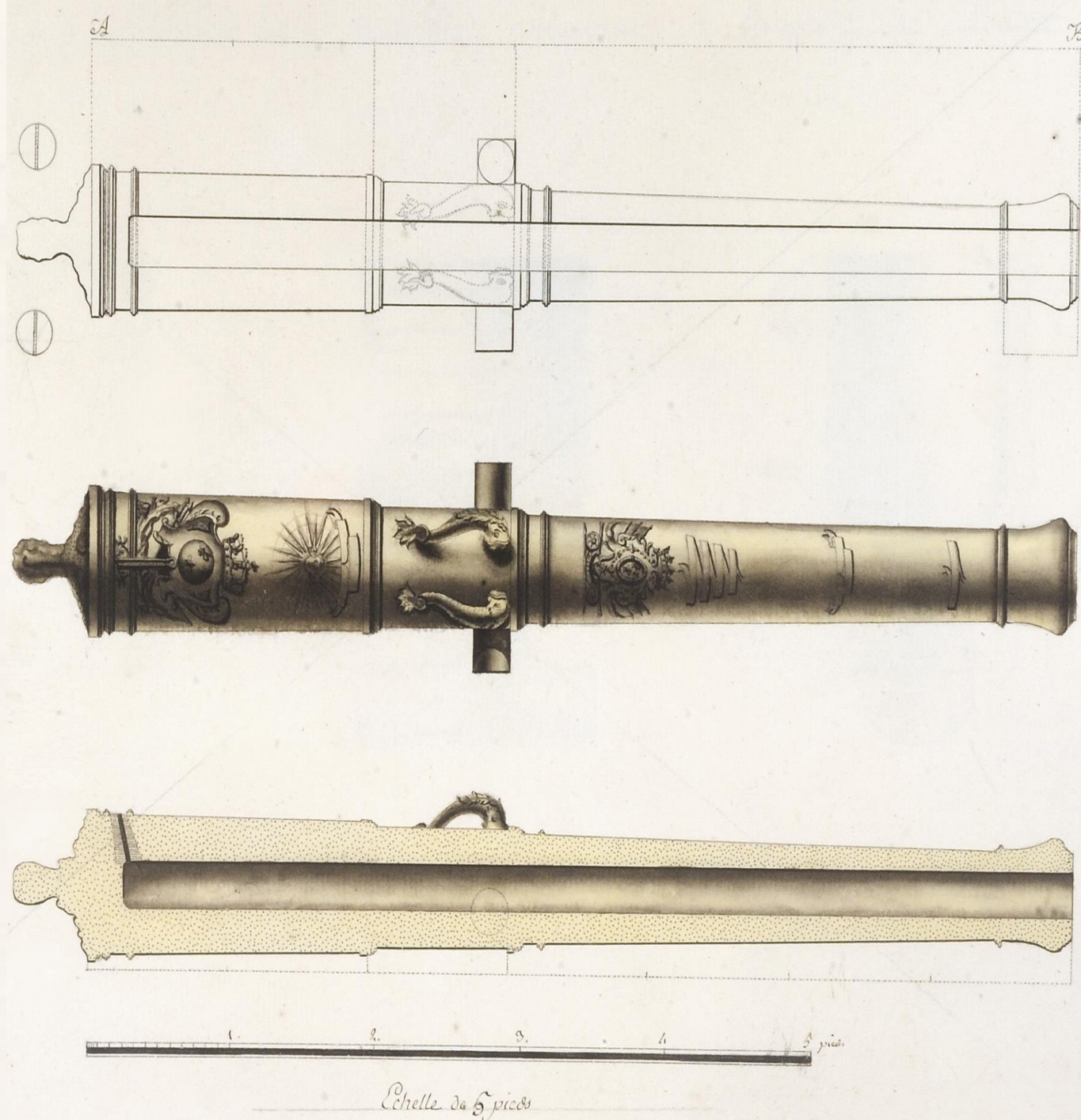
- Highly Mobile
- Flat Trajectory/“Point Blank”

Typical Calibers:

- 3; 4; 6; 8; 9; & 12 pounders
- Weight determined by weight of solid shot projectile

Ammunition:

- Solid Shot, Grape, and Canister/Case



Howitzers

Attributes:

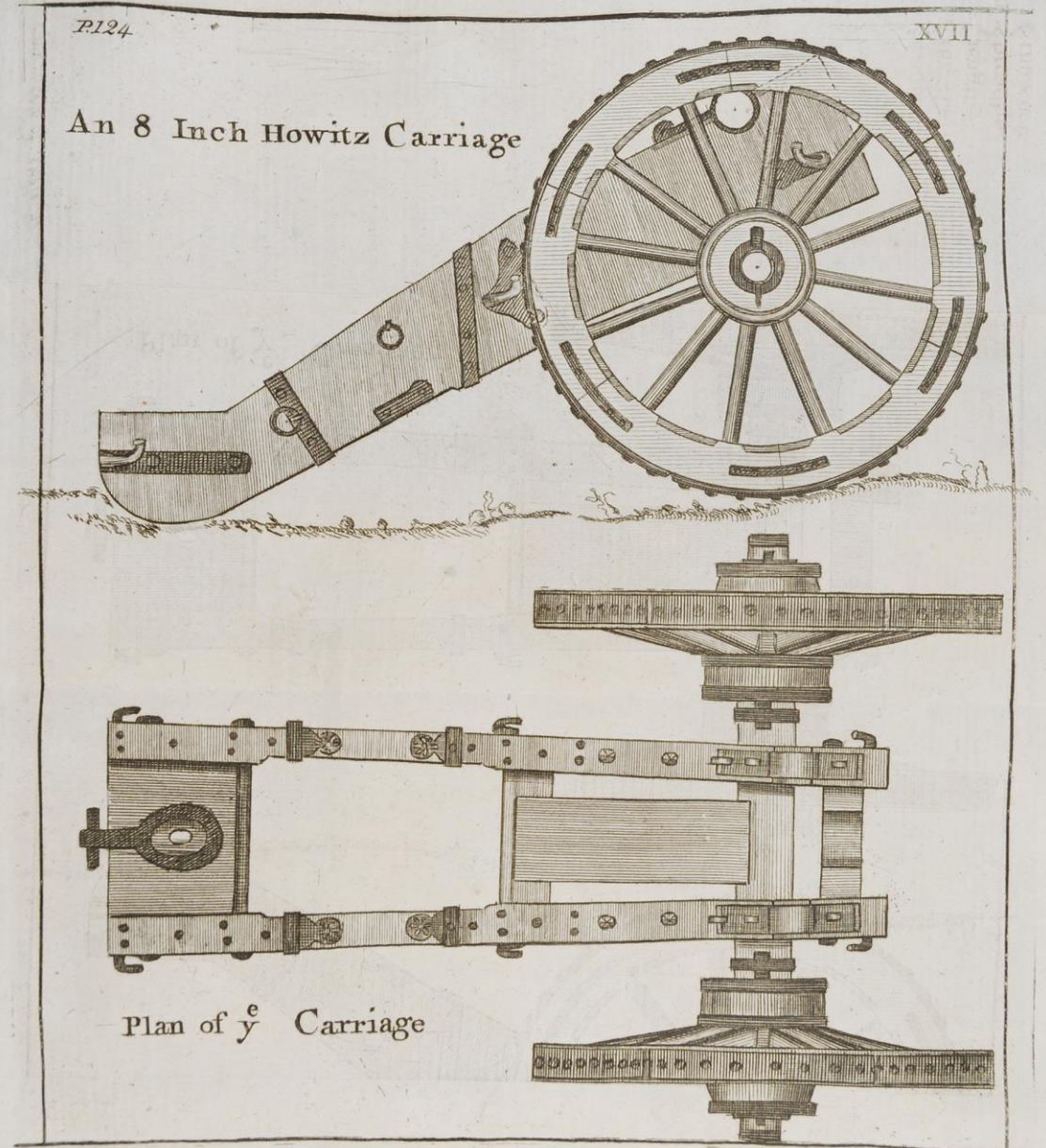
- Mobile
- High Angle Trajectory (Adjustable)

Typical Calibers:

- 5 1/2"; 6"; 8"
- Determined by Bore Diameter

Ammunition:

- Bomb; Shell; Hot Shot



Mortars

Attributes:

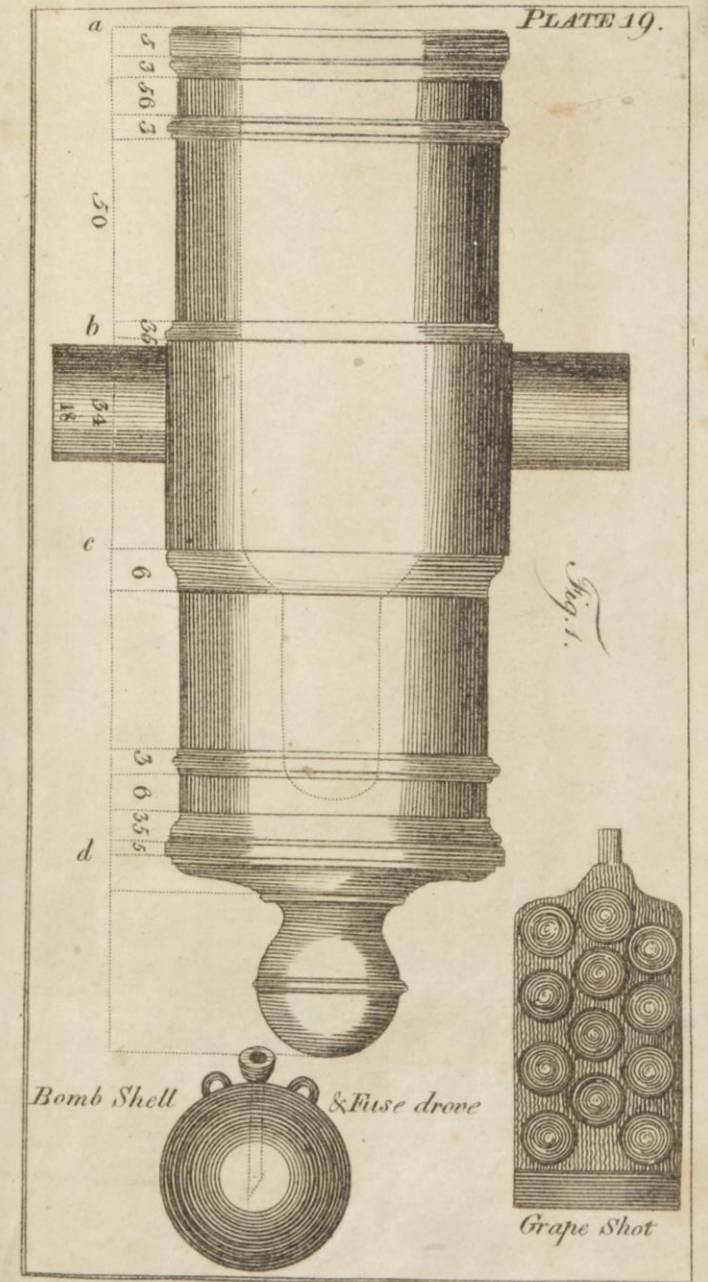
- Limited mobility
- High Angle Trajectory (Fixed 45 degree)

Typical Calibers:

- 8"; 10"; 13"; 20"
- Determined by Bore Diameter

Ammunition:

- Bomb; Shell; Hot Shot



Siege Guns

Attributes:

- Limited mobility
- Greater powder charge
- Larger carriages for greater recoil
- Used for breaching fire

Typical Calibers:

- 18; 24; 36; 42 pounder

Ammunition:

- Solid Shot

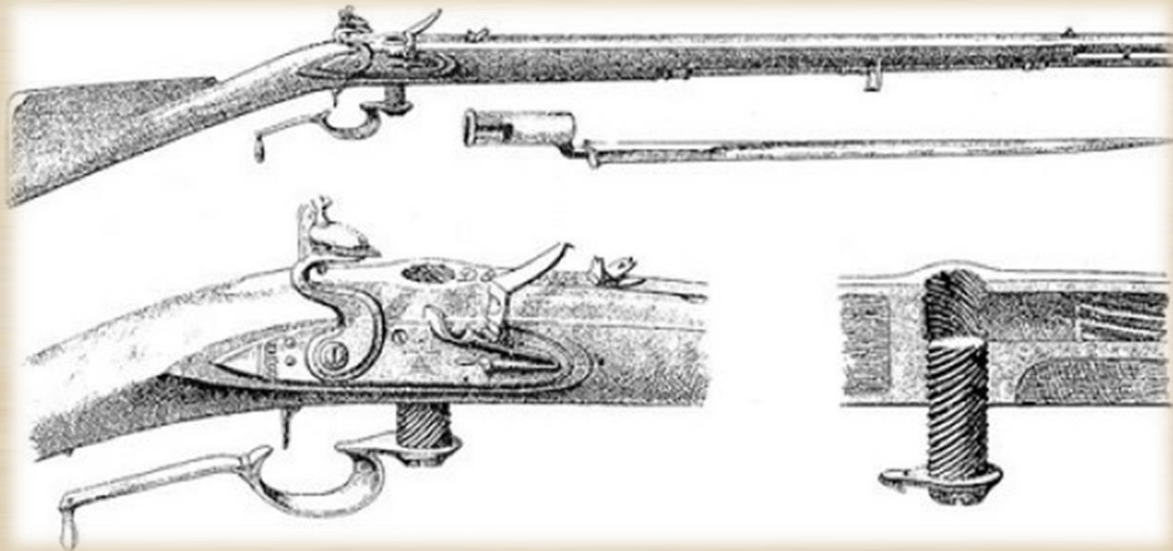




“This afternoon the English Jaeger Corps, or riflemen, arrived here under the command of Captain [Patrick] Ferguson. Their rifles are of a peculiar invention. The charge can be run into an opening at the back of the barrel which can be closed up by a wedge...

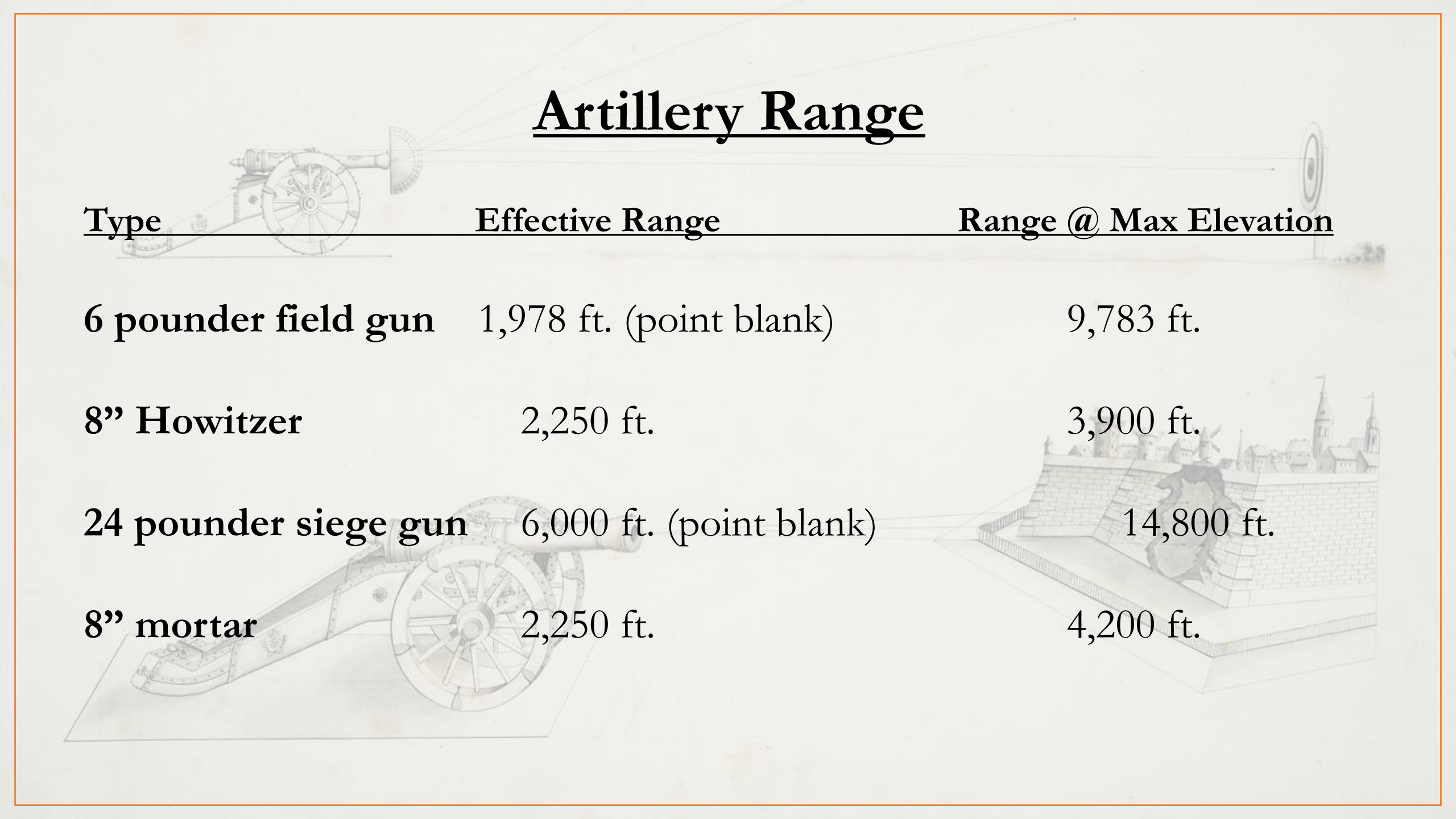
...they also had a cannon of this kind with them.”

- Col. Carl Von Donop. June 11, 1777



Heute Nachmittag kam die englische Riffleman
 oder Jaegercompagnie hier an unter Ordre des
 Capitain Ferguson.
 Ihre Riffleman sind von einer besondern
 Invention, sodas der Schuss durch eine hinten
 am Lauf seiende Oeffnung, welche sich sodann
 durch einen Keil wieder verschließen laßt,
 hineingelegt werden kann.
 Sie haben auch eine Kanone von dieser Art
 bei sich.
 Um 5 Uhr debarquierten die 2 Compagnien
 Regimentes und Jaegercompagnie, worauf
 ihnen sogleich zum Lager der Platz angewiesen
 wurde, und erhielten die letzteren nebst der
 englischen Jaegercompagnie den Befehl zum
 Morgensmarsch.
 Rariton Landing, den 13ten Juni.
 Der gestrigen Ordre zufolge wurde um 3 Uhr
 heute Morgen marschirt und kamen die
 Truppen um 10 Uhr hier an und bezogen
 die mit des Rariton das Lager dergestalt,
 das sie nebst dem auf jener Seite stehenden
 Corps unterm Generalleutenant Lord Cornwallis,
 wovon die hessischen Jaeger jedoch
 auf dieser Seite zu Landung stehen blieben,
 einen Circul rund um Brunswie und Landung

Artillery Range



<u>Type</u>	<u>Effective Range</u>	<u>Range @ Max Elevation</u>
6 pounder field gun	1,978 ft. (point blank)	9,783 ft.
8" Howitzer	2,250 ft.	3,900 ft.
24 pounder siege gun	6,000 ft. (point blank)	14,800 ft.
8" mortar	2,250 ft.	4,200 ft.



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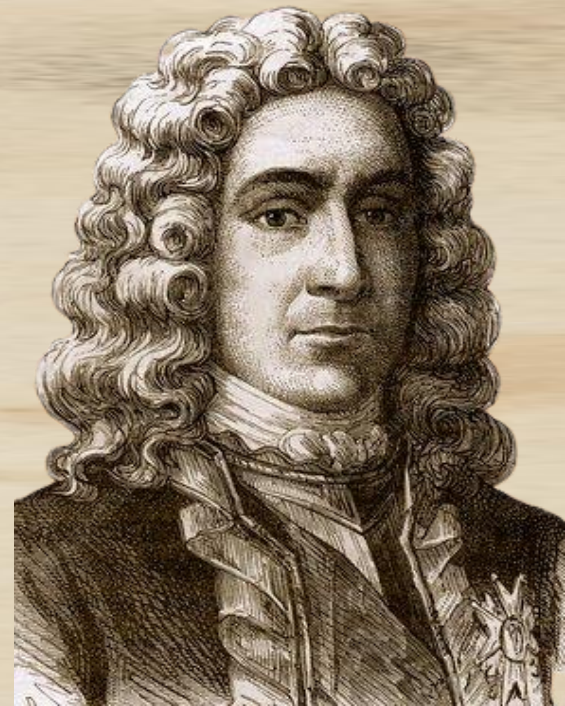
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Jean-Florent de Vallière



Jean-Baptiste de Gribeauval



Silas Deane



Comte de Vergennes





N York July 29 1776

Sir,

Mr. Paine has done me the honor to write to me on the subject of casting cannon, in consequence of which Mr. Byers a Cannon founder from this place has proceeded to Philadelphia. I take the liberty to beg he may be set to work immediately and if upon a large scale the advantages must be proportionate. As every hint to a Gentleman in Acting in your important Station may be attended with good consequences, I also take the liberty of mentioning the Importance of the working the Copper mine in the Jersies. The members of Congress from that Province can without doubt give you some good information Respecting it. I am informd if the works were repaired 100 tons a Year might be gotten from it. If so it is of infinite consequence that it should be look'd into. I hope the importance of the Affair will be a sufficient excuse for my troubling you with it. Wishing you every blessing in life I am with the utmost Respect,

Your Most ObDt Hble Servant
Henry Knox





Loading and Firing the Gun

