

Tactics for the Field Artillery

Historical Overview of the Field Artillery Development



INVESTICE DO ROZVOJE VZDĚLÁVÁNÍ

Historical Overview of the Field Artillery Development

Basic and recommended reading:

Basic :

MRÁZEK, Stanislav. *Historie polního dělostřelectva. I. díl (XIV.-XIX.století)*. Skripta. Brno: Vojenská akademie, 2003. S-1334.

MRÁZEK, Stanislav. *Historie polního dělostřelectva. II. díl (XX. století - do r. 1945)*. Skripta. Brno: Vojenská akademie, 2005. S-1334/2.

MRÁZEK, Stanislav. *Historie polního dělostřelectva. III. díl (XX. století od r. 1945 - počátek XXI. století)*. Skripta. Brno: Vojenská akademie, 2006. S-1334/3.

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Basic and recommended reading:

Recommended:

ČECH, J.J.K; KŘÍŽEK, L. *Encyklopedie zbraní a zbroje*. Praha: Libri,s.r.o, 1997.

DUPUY, R.E.; DUPUY, T.N. *Vojenské dějiny. Harperova encyklopedie*. Praha: Forma, s.r.o., 1997.

HRICH, E. *Velká kniha vojevůdců, bitev a zbraní*. Praha: Regia, 2000.

Hogg, I.V. *Dělostřelectvo dvacátého století*. Praha: Svojtka & Co, 2001.

Hogg, I.V. *Velká obrazová encyklopedie zbraní*. Praha: 1996.

HRUBÝ, V.; KLÚNA, J. *Technika a vojenství včera, dnes a zítra*. Praha: Naše vojsko, 1999.

KRALICKÝ, V. *Československé dělostřelecké zbraně*. Praha: Naše vojsko, 1975.

Historical Overview of the Field Artillery Development

Educational objective:

To describe the evolution of the field artillery from its predecessors arms to the early 20th century.

Historical Overview of the Field Artillery Development

Content

1. The Legend of St. Barbara
2. Antiquity and the Early Middle Ages
3. 14th & 15th century
4. 16th & 17th century
5. 18th century
6. 19th century
7. 20th century
8. Conclusion

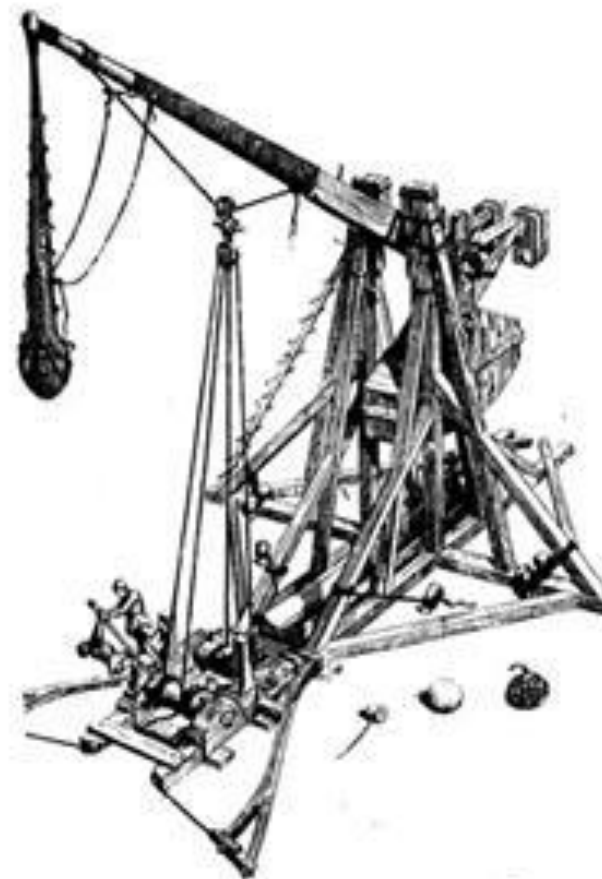
1. The Legend of St. Barbara

- Patroness of artillery
- represented with a palm tree, crown and tower
- 4th December

2. Antiquity and the Early Middle Ages

Predecessors:

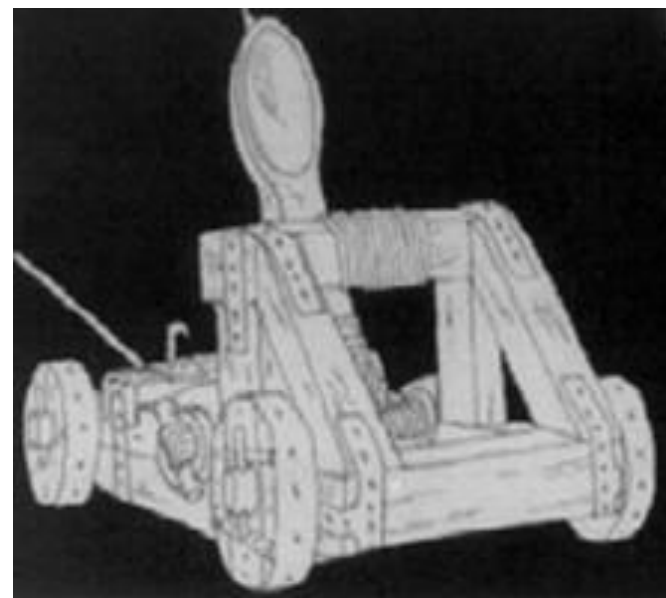
- catapults and ballistae (scorpion)
- onagers



2. Antiquity and the Early Middle Ages

Predecessors:

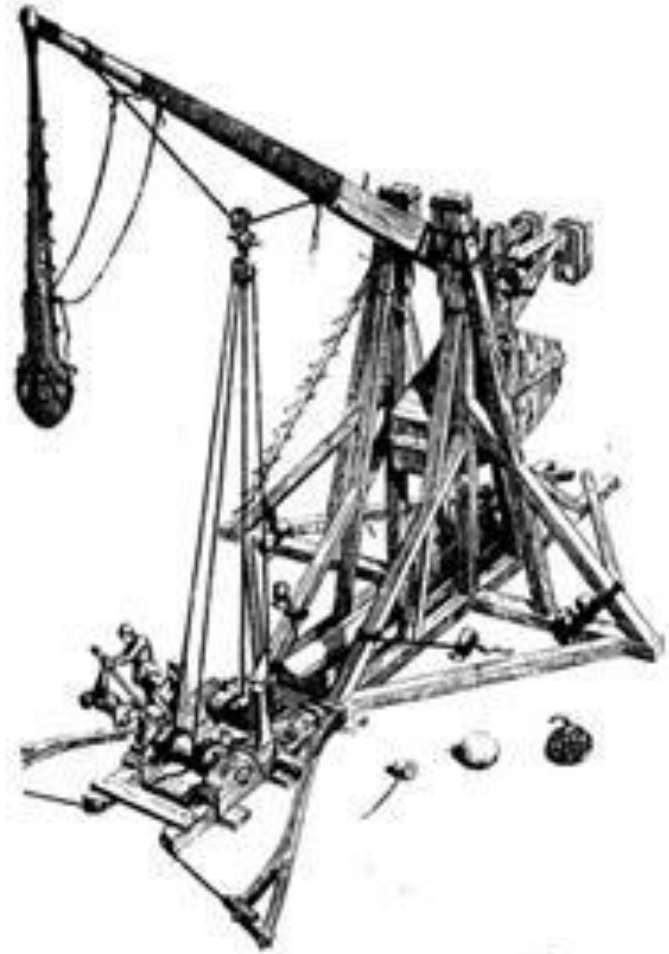
- crossbows, fustibaly, slings and arrows ...
- „Greek fire“
- throwing weapons



2. Antiquity and the Early Middle Ages

Predecessors:

- primitive rocket missiles
- mechanical artillery
- gunpowder
- bamboo musket
- artillery preparation



3. 14th & 15th century

- gunpowder
- first cannon
- to the siege
- iron balls
- bazookas, pestles

4. 16th & 17th century

- scientific research
- aming
- chintz, falkonet, basilisk
- coulveriny, guns, pedrera, pestles,
- bastions, ravelin

5. 18th century

- artillery schools
- firing tables
- standardization of the caliber of particular weapons
- easy sighting systems

6. 19th century

- charging from the rear
- smokeless powder, new explosives
- brake-returns system
- rifled barrel

7. 20th century

- mortars
- indirect fire
- anti-aircraft and anti-tank artillery
- chemical ammunitions

The field artillery was inflicting the most casualties on the battlefield – up to 75 %!

8. Conclusion

Artillery – a prerequisite for a success in the war!

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Tasks for individual work:

The student's credit paper on a chosen topic.