

GARRISON ARTILLERY, 1887.—OFFICERS.

QUESTIONS.—(VALUE, 5 EACH.)

1. Explain the Meaning of Angle of Sight, Angle of Elevation, Lateral Deviation, Remaining Velocity, Angle of Descent.
2. Explain in general terms how the resistance of the air affects the velocity and range of projectiles of different weights and diameters.
3. Describe briefly the Common and Shrapnel Shell used by your Battery for practice.
4. State the detail for mounting a gun by parbuckling up the side. What stores are required?
5. What descriptions and classes of gunpowder are used for rifled ordnance?
6. State the rule for calculating the safe working strain of new and worn rope. Explain the use and construction of a Bowline, Clove and Timber Hitch, Double bend.

NOTE.—Not more than two of the above questions to be put to each officer present at inspection. No special order of precedence to be observed, and the same question not to be asked twice.

GARRISON ARTILLERY, 1887.—N.-C. OFFICERS.

QUESTIONS.—(VALUE, 4 EACH.)

1. Describe a parbuckle skid, a whip upon whip, a luff tackle.
2. Describe briefly the gun used by your battery for practice.
3. Describe briefly the 15 sec. fuze.
4. What are the principal points to be attended to in loading and laying a gun?
5. What descriptions of gunpowder are used at gun practice?
6. Define the meaning of Range, Dispart, Deflection.
7. What difference in range will be caused by 15 min. elevation at 1,500 and 2,500 yards?
8. What advantages are gained by increasing the size of the grain of powder for large charges?
9. Explain the different methods of using a lever.
10. Describe the action of the B. L. Fuze.
11. What stores are required for mounting a gun by parbuckling?
12. What are the duties of a N.-C. officer in charge of a guard?

NOTE.—Not more than two of the above questions to be put to each Sergeant or Corporal present at inspection. No special order of precedence to be observed, and the same question not to be asked twice.

D. T. IRWIN, LIEUT.-COLONEL,

Inspector of Artillery.