

2. How is gunpowder classified? State the different descriptions used for 10-inch guns and under.

3. Describe how to slew the trunnions by handspikes or lever, and how to take a gun on rollers through a narrow passage.

4. Describe the operation of dismounting a gun by watered skids down the rear. What stores are required?

5. State what is meant by "centre of gravity," "centre of pressure," "specific gravity," "gravimetric density."

6. What are the variable Forces acting on a Projectile, how may the variations caused by them be corrected.

GARRISON ARTILLERY—N. C. OFFICERS.

(Questions—Value six each.)

1. What is the meaning of angle of elevation—angle of descent—jump?

2. Describe a Luff tackle—a whip upon whip—a selvahee.

3. What are the rules for giving deflection?

4. Explain the relations between the power and the weight in the first and second orders of the lever.

5. Describe how cartridges are filled, choked and hooped.

6. State the weights of the projectiles and charges for 64-pr. converted gun.

7. For what general purposes are common and shrapnel shell used on a sea front?

8. Describe a common ground platform.

9. State the general duties of a detachment in moving guns.

10. What stores are generally required for the above?

11. Describe briefly a 15 sec. fuze.

12. What are the general duties of a Battery Sergeant-Major?

Regimental News.

TORONTO.

In my wanderings the other day I came across an ex-member of the 42nd Black Watch, and I don't think that there are two men in the whole of the Dominion who have seen more active service. Thinking to interest some of the readers of the GAZETTE, I append the following sketch of Mr. Charles D. Wilson, Toronto:—

REGIMENT NO. 2754.

Joined the 42nd Royal Highlanders (Black Watch) at Aberdeen, Scotland, August 28th, 1851; served in Stirling Castle, 1852; Weedon and Choban Camps, 1853; Gosport and Portsmouth, 1853-54; embarked with Headquarters and Service Companies May 24th for Scutaria, Turkey; served throughout the Eastern Campaign of 1854-55-56, under Field Marshal Lord Raglan, Commander-in-Chief; joined the Highlanders' Brigade 7th June, 1854, at Scutaria, Turkey, which was composed of the following regiments: 42nd Highlanders, 79th Cameron Highlanders, 93rd Sutherland Highlanders, with which the Brigade of Guards formed the first division of the army, under command of H.R.H. Duke of Cambridge; served in Bulgaria, Turkey, until the embarkation of the army at Varna, Turkey, 29th August, 1854; landed at Old Fort Crimea 14th Sept., 1854; present at the

action at Balaganac 19th and battle of Alma 20th September; flank march from McKenzie's Farm 20th September to Balaklava; siege of Sebastapool 3rd to 25th October; battle of Balaklava on the latter date and defence of the Heights of Balaklava to May, 1855, under command of Lieut-General Sir George Brown; present at the assault on the outworks of Sebastapool 18th June and 8th September, 1855; present at the defence of the advance of the outposts of the army at Kamara, under Lieut-General Sir Colin Campbell, until the proclamation of peace, 10th March, 1856, for which services he has received Her Majesty Queen Victoria's war medal with clasps for Alma, Balaklava and Sebastapool, also war medal from His Imperial Highness Abdul Mided Khan, Sultan of Turkey; served in Dover, 1856-57; embarked at Portsmouth August, 1857, for Calcutta, India, with Headquarters and six companies on board the steam transport Australian; served throughout the suppression of the rebellion in India, 1857-58-59, under command of General Sir Colin Campbell, (late Lord Clyde); present at the defeat of the rebels at Cawnpore, 6th December, 1857, under command of General Sir Colin Campbell (late Lord Clyde); present at the defeat of the rebels at Cawnpore, 6th December, 1857, under the Commander-in-Chief; present at the defeat of the rebels at Seria Ghant 9th December, 1857, under Brigadier-General Hope Grant; present at the defeat of the rebels at Kallie Nuddie Bridge 2nd January, 1858, under the Commander-in-Chief, and subsequently at the entry into Futtu-Ghur; present at the defeat of the rebels at Nhow, Shumshad, 29th January, under Brigadier-General Hon. Adrian Hope; present at the siege and capture of Lucknow, from the 2nd March until the 21st March, 1858, including the storming of Sa Martineer College, Bank's Bungalow, Begaum's Kottee, also at the subsequent operations of the siege under the Commander-in-Chief; present at the defeat of the rebels at Fort Royah, 15th April (Brigadier A. Hope, Lieut. Douglas and Lieut. Bramley were killed in this engagement); defeat of the rebels at Allepyung, 22nd April, under Brigadier-General Sir R. Walpole; defeat of the rebels at Barilly, 6th May, 1858, under Commander-in-Chief; employed with a column under Brigadier Smyth, C.B., in the Rohilkund Jungles; present with No. 7 Company, under the command of Lieut. W. Green; at the relief of No. 6 Company, under the command of Capt. Lawson, who was severely wounded and died soon afterwards. He was surrounded by 5,000 rebels from morning till night; present in the Jungles from 13th March to 26th May, 1859, for which services he has received Her Majesty Queen Victoria's Indian mutiny war medal with clasp for Lucknow; served in Barilly 1859-60; Agra, 1861-62; embarked at Calcutta on

board the transport "Renown" February, 1862, arrived in England and discharged May, 1862.

BREECH BLOCK.

QUEBEC.

Quebec, 23rd April, 1892.—The annual athletic sports of the 8th Royal Rifles were held on Tuesday and Wednesday evenings, the 19th and 20th instant, under the patronage of His Honour the Lieutenant-Governor, Major-General Herbert and Lt.-Col. Duchesnay, D.A.G. The Drill Hall had been prepared for the occasion by the erection of a grand stand at the one end, and as in the last tournament given by the Royal School of Cavalry, was prettily decorated with many flags and banners.

The judges were: Lt.-Colonels Turnbull, R.S.C., Montizambert, R.C.A., Scott, R.L., Roy, 9th Battalion; Captain J. George Garneau, Q.F.B., and Lieut. Forrester, R.S.C. Captain Rutherford, R.C.A., acted as starter, and Captain Lessard, R.S.C., as time-keeper.

These gentlemen performed their duties in a very satisfactory manner. The Regimental Band furnished the music on both evenings, and a large attendance of spectators fully testified to the popularity of the corps, and materially increased the regimental fund, which will no doubt be found very useful in the way of assisting the Rifle Club, Gymnasium or other matters of equal importance.

The box reserved for the patrons of the sports was occupied the first evening by His Honour Lieutenant-Governor Angers, attended by Major Sheppard, A.D.C., and party, including the Hon. T. Chase Casgrain, Attorney-General.

PROGRAMME—TUESDAY EVENING.

1st. 100 yards dash (in heats—This was won by Private Bonham, 8th R.R., who twice secured first place. Private Hossack, of No. 4, and Walsh, of No. 1 Co., securing second place, the former in the first and the latter in the second heat, had to run a third, resulting in favour of Private Hossack.

2nd. Bicycle race, 2 miles (open to all)—There were five entries, the result being, 1st, C. 1 Sergt. Leclerc, 9th Battalion; 2nd, Private Beattie, No. 4 Co. 8th R.R.; 3rd, Trooper Woodley, Q.O.C.H.

3rd. 220 yards hurdle race was the next event and brought out five competitors, resulting as follows: 1st, Lance-Corpl. D. Watson, No. 4 Co.; 2nd, Private Walsh, No. 1 Co.; 3rd, Private R. Hossack, No. 4 Co. The latter who had, previous to his fall near the winning line, led the race would otherwise have secured first instead of third place.

4th. Obstacle race (open to Garrison)—This produced four starters and was well contested. The obstacles consisted of a rope entanglement, barrels, boxes with holes cut in on top and side, canvas cover spread over portion of floor of hall