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LIEUT.-COLONEL JOHN MACPHERSON.

Lieut.-Col. Macpherson was born in Lancaster, Glengarry, Ont., on the 8th of January, 1830, and was for a time engaged in mercantile life in Montreal. He entered the militia service, however, at an early age, and, finding the duty congenial and more in keeping with his natural gifts, he devoted much of his time to the efficient discharge of it. His zeal was recognized in 1849, when he received a commission in the 3rd Battalion of Montreal Militia. In 1856 he carried out the scheme, which he had long cherished, of organizing a Highland company, of which he was appointed captain. Soon after he was appointed to a majority, and in 1861 was made Brigade Major to the Montreal active force. In 1862 his sphere of duty was enlarged so as to embrace the whole of Military District No. 11. In 1865 he became Lieutenant-Colonel of Militia, and during the Fenian troubles of 1866 he served on the staff of Major-General the Hon. (afterwards Sir) James Lindsay. He was appointed Deputy Assistant Adjutant-General of Militia and given command of a military district in this province. In 1869 he commanded Military District No. 3, in Ontario, and in the following year was appointed Acting Superintendent of Military Schools a position which he retained until the new threat of Fenian raids, when he resumed his place on the staff of General Lindsay as Assistant Adjutant-General. He, in 1870, accompanied the staff of His Royal Highness Prince Arthur to the scenes of action on the Missisquoi and Huntington frontier. After the excitement had subsided, he returned to headquarters, and for a time acted as deputy of the Minister of Militia and as accountant to the Department. In 1880 he was appointed to his present position of Director of Military stores and Keeper of Militia Properties. It will be seen that Colonel Macpherson's career has for more than forty years been one of uninterrupted activity in the service of his country. He has ably filled the position of Treasurer of the D.R.A. since May, 1885.

A NAVAL VISITOR.

H.M.S. "Pylades" left Montreal on 19th inst., after a short stay which was noteworthy for the absence of any official visit or courtesies extended by the Council of that city. Her Majesty's ships should receive prompt recognition



LIEUT.-COLONEL JOHN MACPHERSON,
Treasurer Dominion Rifle Association.

from the ports they honour by their presence, and it is anything but creditable to Montreal that such shabby treatment was accorded the vessel that has just left. Unfortunately, this lack of courtesy on the part of the Aldermen reflects on the whole city, and the officers and men of the "Pylades" will carry away with them the feeling that their presence was not appreciated—which is far from being the case. But it is one of the traditions of aldermanic life that when dollars and dinners are in prospect, all other matters must lie in abeyance; and it is rumoured that the former have been very plentiful of late in the lobbies of the City Hall. When Street Railway contracts are brought into opposition with courtesies to the Queen's ships, the latter are "not in it."

MILITARY LITERATURE.

We are glad to note that the *Glengarrian*, of Alexandria, Ont., is republishing in serial form that excellent *brochure* by Ernest Cruikshank in "The Battle of Lundy's Lane." Our papers should bring out more of this sort of wholesome and patriotic writing, instead of

as in many cases filling their columns with foreign boiler-plate trash. The *Orillia Packet* is another weekly that publishes from time to time most interesting articles on Canadian military history.

In this connection, it is odd to see in papers of as high standing as the *Winnipeg Free Press* and *Kingston News* portraits of obscure American politicians and military men,—no doubt very estimable gentry in their own country, but of whose career the average Canadian knows nothing, and cares less.

LOCAL MILITARY CLUB-ROOMS.

The establishment of a common meeting-room for the officers of each district would, without doubt, greatly aid the efficiency of the force. Toronto was taken the head in this matter, in the formation of the "Canadian Military Institute"—the excellence and utility of which none can deny. With rooms in which the officers may meet in a social way or to discuss some special plan, with all the service papers available for use, and with a library of military works probably unequalled in the Dominion, the Institute must necessarily materially advance military interests in the district, and to a lesser degree throughout the country. Montreal, with the strongest brigade in Canada, is much behindhand in this respect, and a strong effort should be

made without delay to establish a local military club-room. While most, if not all, the officers are strongly in favour of such a place, there is a singular hesitancy among the senior men about taking the initiative. This is a matter especially for the officers commanding battalions to consider. It is essentially the duty of one of them to summon a meeting, and have the matter carefully discussed; this should be done early in September, as the fall and winter would be seasons when such an institution could be used to the greatest advantage.

ANNUAL GUN PRACTICE, 1892.

FIELD BATTERIES.

1. The following arrangements will be made for the Annual Gun Practice of Field Batteries in the Dominion.
2. The Winnipeg and Sydney Batteries will practice at local head-quarters under the same rules and conditions as in 1891.
3. Transport will be allowed from Battery head-quarters and return for the Batteries in Ontario and the Shefford Battery to Kingston, and for the Montreal, Newcastle and Woodstock Batteries to Quebec.
4. Each detachment to consist of from one to four officers and eight n. c. officers or gunners.
5. The number of rounds to be expended and the general rules and conditions will be the same as in 1891. Range about 1,800 yards.
6. Tents, blankets, etc., will be supplied at camp at Kingston, and transport provided to and from camps to the railway station. The Newcastle and Woodstock detachments will be accommodated in the citadel.
7. Detachments must come to camp in marching order, and in every case be accompanied by an officer of their Battery.
8. The Umpire will have full discretionary powers to disqualify any detachment or to inflict a penalty of from two to five points for each irregularity or mistake at drill noticed by him.
- Ties to be decided by (1) Points for discretion; (2) Common shell score; (3) Time.
9. The following will be the order of firing at Kingston:
 - Tuesday, 13th September, Ottawa, Toronto.
 - Wednesday, 14th September, 1st Brigade, Durham.
 - Thursday, 15th September, Shefford, Hamilton, London.
 - Friday, 16th September, Gananoque, Kingston, Welland Canal.
10. At Quebec:
 - Newcastle, Woodstock, Quebec, and Montreal, on dates to be named subsequently.
11. Officers commanding Batteries are requested to notify the commandants at Quebec and Kingston respectively as to the date and hour of the arrival of their detachments and the number of officers.

(Signed) D. T. IRWIN, LT.-COLONEL,
Inspector of Artillery.

Ottawa, 5th July, 1892.

MONTREAL GARRISON ARTILLERY.

The Montreal G. A. Brigade paraded on Thursday night, the 15th, for the purpose of competing for the Turnbull Shield and trophies. Lt.-Col. Montizambert, Assistant Inspector of Artillery, was present, and before the competition put the officers through their *visa voce* examination, and expressed himself as very well satisfied. He, however, said that he regretted that the number of officers was insufficient, and urged the necessity of making an increase. The gun shift were then proceeded with, and the following results were timed.

No. 1 Battery	6 Min	20½ Sec.
Corrected time	6	40½

No. 2 Battery.....	8	6½
Corrected time.....	8	16½
No. 3 Battery	11	39
Corrected time.....	11	49
No. 5 Battery.....	14	28
Corrected time.....	14	33
No. 6 Battery.....	8	41
Corrected time.....	8	56

No. 4 battery did not compete. The material at the disposal of the brigade showed marked defects and caused delay to some of the batteries. Nevertheless the men worked well in face of these disadvantages. The formal inspection of the brigade in artillery drill took place on Friday night, when the batteries were again put through the shifts and also drilled with the forty pounder Armstrong breech-loader.

The parade on Thursday night was largely attended by officers of the district and others, among whom were Commander Young, of H.M.S. "Pylades" Lt.-Cols. Turnbull, Hood, (Royal Scots), Starke (Vics.), Lt.-Col. McKay and others. The brigade officers held then annual entertainment at the City Club on the close of the proceedings.

The inspection of the brigade, as infantry, was made on Saturday, on the Champ de Mars, before Lieut.-Colonel Houghton, D.A.G., and Lieut.-Colonel Montizambert. The field state showed a total of 14 officers and 245 N. C. O. and men, and the corps presented a very clean and well set up appearance. The steady marching was specially commended and the battalion movements were carried out with great precision. While this was the case with the battalion drill, however, that of the separate batteries when called out for company drill was anything but creditable, especially as the movements attempted were of a simple description; this appeared to be due solely to the lack of commissioned officers, and the uncertainty of the markers and acting guides as to their duties. This result emphasizes the urgent necessity of the recognition by Government of the dual nature of the work expected from foot artillery, and the extension of the paid parades at least fifty per cent. beyond what is at present granted.

The march past, both in column and quarter-column, was excellent, probably the best seen this season. Arm drill was very good, although spoilt by the stupidity of the bandmaster, who, inspired no doubt by some wild phrenzy of genius, opened out with the eight-bars salute during the manual. Speaking of the music, we sincerely trust that by next inspection Lieut.-Col. Cole will have an entirely new band, as the present one although they play well materially detract from the general appearance of the Brigade. They evidently pay no attention to uniformity in dress, and why the leader should array himself in a rifle tunic is a puzzle.

After the inspection the Brigade marched through the city prior to roll-call and dismissal at their Armoury. Their appearance was imposing, and marching was very good.

OTTAWA RIFLE CLUB.

The shooting in the 13th spoon competition on Saturday afternoon last was good considering the strong and unsteady wind. In the first class Dr. G. Hutcheson won the desert spoon winning the tie which he shot off with G. A. Mailleue, who takes the tea spoon. In the second and third classes W. H. Timbers and J. H. Dewar each won tea spoons. The following are the scores of 80 and over. The Martini was the rifle used:

	200	500	600	Total.
Dr. G. Hutcheson.....	28	30	30	88
G. A. Mailleue	26	31	31	88
E. D. Sutherland.....	29	31	27	87
D. McMartin	24	33	25	82
C. S. Scott	28	26	27	81
N. Morrison.....	24	32	25	81
J. E. Hutcheson.....	28	31	22	81
J. G. Lyon.....	30	24	26	80

THE MILITARY RIFLE LEAGUE.

The third match of the series was fired on Saturday, 9th inst., with the exception of some of the Montreal teams, who did their shooting (by special permission) on the following Wednesday, owing to the military funeral which took place on the former date.

The following are the scores as received by the Secretary. Ranges were 200, 400 and 500 yards :

1. 96th Batt.	870
2. 43rd Batt., 1st team	864
3. 25th Batt., 1st team	854
4. Halifax G. A., 1st team	846
5. 13th Batt., 1st team	844
6. 12th Batt., 1st team	837
7. 45th Batt., 1st team	835
8. 43rd Batt., 2nd team	833
9. 10th Batt., 1st team	830
10. 37th Batt., 2nd team	823
11. 6th Batt., 1st team	823
12. 8th Batt., 1st team	816
13. 62nd Batt., 1st team	814
14. Amherst R. A.	810
15. 63rd Batt., 1st team	810
16. 7th Batt., 1st team	808
17. Prescott R. A.	808
18. 45th Batt., 4th team	808
19. No. 1 Battery, Brit. Col. G. A.	805
20. P. E. Island G. A., 1st team	803
21. 21st Batt., 1st team	802
22. G. G. Foot-Guards, 1st team	801
23. No. 1 Coy. Regiment Canadian Infantry, 1st team	800
24. Charlottetown Engineers, 1st team	790
25. Ottawa Rifle Club, 1st team	787
26. Halifax Garrison Artillery, 2nd team	783
27. 8th Batt., 2nd team	777
28. 5th Batt., 1st team	769
29. 95th Batt., No. 2 Company	768
30. B Battery R. C. A., 1st team	760
31. 57th Batt., 1st team	759
32. Cobourg R. A.	759
33. 69th Batt.	756
34. 66th Batt., 1st team	753
35. 43rd Batt., 3rd team	750
36. 44th Batt., 1st team	748
37. Royal Military College	747
38. 3rd Batt. (1 man short), 1st team	747
39. 13th Batt., 2nd team	746
40. King's County R. A.	743
41. Orillia R. A., 1st team	735
42. 21st Batt., 2nd team	734
43. Levis R. A.	726
44. 77th Batt.	726
45. 71st Batt., St. Stephens team	721
46. Halifax County R. A.	717
47. 3rd Batt., 2nd team	717
48. 45th Batt., 2nd team	701
49. 78th Batt., 1st team	699
50. 10th Batt., 4th team	695
51. 49th Batt., Madoc	692
52. 6th Batt., 2nd team	692
53. 90th Batt., 1st team	691
54. 13th Batt., 3rd team	688
55. 39th Batt., 1st team	687
56. Carleton Co. R. A.	679
57. 12th Batt., 2nd team	675
58. St. Johns Rifle Co., 1st team	674
59. 63rd Batt., 2nd team	674
60. 9th Batt.	672
61. 50th Batt.	672
62. B Battery R. C. A., 2nd team	671
63. G. G. Foot-Guards, 2nd team	674
64. No. 3 Coy. Regiment Canadian Infantry	660
65. 95th Batt., "A" Coy.	648
66. 13th Batt., 4th team	645
67. Rimouski R. A.	642

68. P. E. Island G. A., 2nd team	637
69. 10th Batt., 2nd team	637
70. 43rd Batt., 4th team	630
71. Battleford R. A.	624
72. 55th Batt.	622
73. Halifax G. A., 3rd team	613
74. 26th Batt. (2 men short)	606
75. 25th Batt., 2nd team	664
76. 69th Batt., 2nd team	599
77. 8th Batt., 3rd team	595
78. 38th Batt.	594
79. Charlottetown Engineers, 2nd team	593
80. Princess Louise Dragoon Guards	591
81. 14th Batt. (2 men short)	582
82. 71st Batt., 2nd St. Stephens	572
83. 57th Batt., 2nd team	566
84. 77th Batt., 2nd team	562
85. 10th Batt., 3rd team	552
86. G. G. Foot-Guards, 3rd team	549
87. G. G. Body-Guard	530
88. 40th Batt.	524
89. 66th Batt. (1 man short) 2nd team	512
90. 37th Batt.	504
91. 43rd Batt., 5th team	500
92. Macleod R. A. (2 men short)	484
93. 72nd Batt.	483
94. Regina R. A. (3 men short)	481
95. Halifax G. A., 4th team	447
96. 22nd Batt. (2 men short)	444
97. 33rd Batt.	398
98. 44th Batt. (1 man short), 2nd team	375
99. 55th Batt. (3 men short), 2nd team	360
100. 25th Batt. (2 men short), 3rd team	330
101. 62nd Batt. (2 men short), 2nd team	278
102. G. G. Foot-Guards (3 men short), 4th team	240
103. 33rd Batt. (4 men short), 2nd team	172

While the west leads in the team shooting the east can claim the first individual score, viz. :

Sergt. H. C. Blair, 78th Batt. Points.
99

His shots ran :

200	400	500
4 5 5 5 4 4 5-32	4 4 5 5 5 5 5 33	4 5 5 5 5 5 5 34

Other scores of 92 and over were :

Capt. E. D. Sutherland, 43rd Batt.	96
Pte. C. S. Scott, 43rd Batt.	96
Capt. John Bruce, 10th Batt.	95
Sergt. O. B. Dow, 21st Batt.	94
Sergt. Davidson, 8th Batt.	94
Capt. A. L. Russell, 96th Batt.	94
Lieut. M. Pope, 3rd Batt.	94
Pte. Bertram, 77th Batt.	94
Geo. Archer, Cobourg R. A.	93
Capt. E. G. Zealand, 13th Batt.	93
Lieut. J. Mitchell, 12th Batt.	93
Staff-Sergt. Wm. Conboy, 20th Batt.	93
Col.-Sergt. Fowler, 10th Batt.	93
Staff-Sergt. R. H. Sylvester, 45th Batt.	93
Major John Hughes, 45th Batt.	93
Lieut. Ross, 77th Batt.	93
Gunner Pugh, B Battery R. C. A.	93
Staff-Sergt. A. J. Green, 21st Batt.	92
Trooper W. E. Webster, King's Co. R. A.	92
Col.-Sergt. G. A. D. Maillene, G. G. F. G.	92
Staff-Sergt. R. McVittie, 10th Batt.	92

On 10th inst. the death took place of Capt. Wm. Hudson, formerly bookkeeper for the Carling Brewing and Malting Co., London, after an illness of several weeks from dropsy of the liver, aged 55 years. Deceased was formerly adjutant of the 7th Battalion, and was supply officer of the North-West expedition in 1885 under Major-Gen. Laurie. He was formerly sergt.-major of the 100th Regiment, and took his discharge when the regiment lay at Gibraltar, subsequently emigrating to Canada.

LEVIS CAMP OF INSTRUCTION.

NO. 7 MILITARY DISTRICT, 4TH TO 15TH JULY, 1892.

In accordance with instructions from Headquarters, the undermentioned Corps assembled in camp at St. Joseph de Levis for annual training, on Monday the 4th instant:—

“B” Battery, Regiment Canadian Artillery. Lt.-Col. C. E. Montizambert.

23rd “Beauce” Battalion. 4 Companies. Lt.-Col. J. G. Bignell.

61st “Montmagny” Battalion. 6 Companies. Lt.-Col. P. Landry, A.D.C.

70th “Champlain” Battalion. 6 Companies. Lt.-Col. L. E. Massicotte.

89th “Temiscouata and Rimouski” Battalion. 8 Companies. Lt.-Col. L. E. Hudon.

The following being the composition of the Brigade Staff:—

Commandant. Lt.-Col. T. J. Duchesnay, D.A.G.

Brigade-Major. Lt.-Col. Taschereau.

Camp Quarter-Master. Capt. F. Lessard, Canadian Dragoons.

Instructor of Musketry. Lt. H. A. Panet, R.M.C. Unattached List.

Supply Officer. Major Vien, Levis Garrison Artillery.

Principal Medical Officer. Surgeon C. C. Sewell R.C.A.

Brigade Sergt.-Major. Staff-Sergt. Long, “B” Battery, R.C.A.

Quarter-Master Sergt. Sergt. Hamel, Canadian Dragoons.

“ “ Sergt. Roy, “B” Battery, R.C.A.

Hospital Sergeant. Sergt. O'Hagen, “B” Battery, R.C.A.

“B” Battery, R.C.A. having gone into camp at the old Engineer Quarters, some days previous to the date for the general assembly of the camp, were called upon to pitch the tents for the Brigade which they did in a creditable manner.

For an Infantry camp no better site could have been found; it was situated on the heights of St. Joseph de Levis, upon a position commanding a view of the River St. Lawrence, the Falls of Montmorency and the Island of Orleans.

The general appearance of the camp clearly showed that the greatest possible care had been taken in the selection of the position and that “B” Battery were fully up to the work entrusted to their care.

The troops upon arrival found everything in readiness for them and as “B” Battery were detailed to furnish the guard mounting during the twelve days training, this enabled the visiting corps to take advantage of every hour for drill purposes.

It may be stated that no camp has ever been more fortunate in the way of fine weather. With the exception of one severe storm, which however only came on in the evening, not an hour was lost. Three or four of the days were exceptionally close and hot, but nevertheless did not interfere with the general programme which had been arranged for the training.

Major-General Herbert, C.B., arrived on Sunday afternoon the 10th instant, and from the time of his arrival until his departure on Thursday noon the 14th instant, was one of the busiest men in camp.

He made a personal inspection of every Battalion, closely examining the men, arms and accoutrements. All men over age were dismissed and sent home, and in the case of such as were under age, they were told off into a squad for instruction under command of some of “B” Battery's efficient non-commissioned Officers. They numbered some 35 to 40 boys, and made very good progress. The lessons given to them will no doubt prove beneficial.

The greater number of the companies in the different battalions were short of officers, and in some cases had but one and that a Lieutenant. None of the battalions under canvas were out for training last year, hence a great number of recruits were among the rank and file.

The progress made can be considered fair, in view of the above, and the limited time of 12 days.

The General insisted upon the officers rigorously carrying out their duties, and had occasion to correct mistakes in many cases when it came to their giving their companies instruction in detail. As this is a move which they have not been accustomed to in former camps, the result was that they felt somewhat dissatisfied; however, before another camp takes place they may view the matter in a different light and recognize the fact that it is done for their own good and for that of the force generally.

No officers should take exception to the inspecting officer pointing out defects in their manner of imparting instruction to the men under their command, and they should be all the more determined to give a better account of themselves on future occasions.

Musketry instruction took place upon the warmest days, and Lieut. H. H. Panet, who had charge, proved himself an energetic and willing worker. No excuse would be entertained by him for any man refusing to receive the necessary instruction, and as many were of the rawest material, he had three days of particularly hard work, but has the satisfaction of knowing that his duty was performed to the letter.

Two of the gentlemen cadets of the Royal Military College were attached for duty during the camp, in the persons of J. J. B. Farley and H. J. Lamb, who were attached to the 61st and 89th Battalions respectively. Needless to state their work was up to the mark and their services duly appreciated.

The writer, accompanied by Captain Dunn and Lieut. Richardson, 8th Royal Rifles, paid a visit to the camp on a moonlight night and the scene presented was well worth seeing. The camp was particularly noticeable on account of the order which prevailed, and in this connection it may be said that without exception it was one of the most orderly camps ever held.

Thursday evening last was celebrated in a very pleasing manner, the men prepared a large bonfire, and with the addition of a fine display of fireworks managed to pass the evening pleasantly. Music was of course furnished by the bands in camp.

The General took his departure on Thursday afternoon shortly after which the first detachments left the camp, and the following day was the general break up. On the whole the camp may be considered as resulting in as much good as can be reasonably expected with troops who have not been out in from two to three years, and with a limit of 12 days to make themselves so efficient as possible.

The General was pleased to grant Capt. Ernest F. Würtele, R. L., an interview, the latter having called for that purpose in connection with matters appertaining to the members of the Royal Military College Club, of which he is the secretary.

R. M. C. No. 47.

NORTH WEST RIFLE LEAGUE.

The third competition of the above League took place on the 25th ultimo with the following result:—

	POINTS.
Brandon.....	381
Fort Saskatchewan, 1st team.....	339
Edmonton.....	327
Moosomin.....	325
Portage La Prairie.....	323
Fort Saskatchewan, 2nd team.....	296
Regina.....	277
Macleod, 1st team.....	276
Calgary.....	264
Duck Lake.....	241
Macleod, 2nd team.....	202
Battleford,	
90th Batt.,	} No returns.
Prince Albert,	
Virden,	

FIELD ARTILLERY FIRE.

BY CAPTAIN W. L. WHITE, R.A., SCHOOL OF GUNNERY,
SHOEBURYNNESS.

(From Proceedings of the Royal Artillery Institution.)

(Continued from page 206.)

It is quite clear then from this example, that it must be particularly impressed upon gun-layers that they have nothing further to do with projectiles which have left their guns, and must implicitly obey all orders they may receive and lay in the manner in which they have been taught. In a later chapter, on the examination of range reports, it will be demonstrated that a perfect check may be kept on the gunlayers without delaying the practice of the battery by verifying the laying of each gun before firing.

In the new competitive practice (1891) the moving of the gun-layers a few paces to a flank to observe the effect of their rounds has been a fruitful source of loss of marks for fire discipline. Not that, in itself, there is any objection to these men knowing the result, but the practice is sure, sooner or later, to lead to their altering the elevation or laying to suit their own observation and thus practically taking the direction of fire out of the hands of the battery commander.

In the selection of gun-layers great care should be taken that they all lay not only accurately but uniformly, and all in the regulation manner, that is to say with full sight, in order that the Battery Commander may not have to complicate the mental process which he has to go through, by having to make allowances for the varying performances of the pieces arising from the personal peculiarities of the several layers.

In the selection of layers something more than good eye-sight must be sought for, namely intelligence sufficient to at once pick out a target verbally indicated on occasions when a detailed pointing out is impossible, and also ability to set sights correctly. It is by no means uncommon to find sights wrongly set, and it is manifest that, however good the laying may be, it is useless if the proper elevation has not been given. Indeed, in using telescopic sights, where the personal error is eliminated, intelligence rather than good eye-sight is required. The instructions for selection of layers, as laid down in the pamphlet on the competition for skill-at-arms, give plenty of scope for the elimination of unintelligent layers by allowing no marks for rounds in which the sight has been wrongly set or the gun laid on the wrong objective. Abroad, where the *chef de pièce* or gun captain is other than the *pointeur* or gun-layer, the verification of the settling rests with him, and it is again, in many cases, inspected by the Sectional Commander, a process which must involve unnecessary delay if intelligent gun-layers are selected in the first instance.

CHAPTER II.

BRINGING BATTERIES INTO ACTION.

The battery being in an efficient state as to its drill, and the gun-layers carefully trained to carry out correctly orders given to them, the first step towards a good fire effect will be to bring the battery into such a position that it may be able to administer its fire advantageously, and to point out to the gun-layers what is required of them.

Let us assume that the battery with which we have to deal is one of a brigade division of three batteries, forming part of an independent division, which is on the line of march. The proper place for the Lieut.-Colonel commanding the brigade division is with the Divisional General, who will generally ride at the head of the main body of the division. On news being received from the front that the advanced-guard has been checked or has come across the enemy in position, the General, with his Artillery Commander, will ride forward to reconnoitre the enemy and determine what steps are to be taken to oust him from his position. During this state of the proceedings all the instructions that the Lieut.-Colonel is likely to receive are given to him in the shape of a tactical sketch, the details of which, as regards his special arm, are

left him to fill in, in accordance with the general plan of operations. To enable him to do this correctly he must be a careful and constant student of the tactics of the arms to whom he is auxiliary, for by this only can be avoided the perpetual sending of orders, which tend to fetter the genius of subordinate commanders and render the combat slow and wearisome.

Having been made acquainted with the wishes of the General, the Lieut.-Colonel will select a position for his batteries from which they can best forward the object that the principal arm, the infantry, has in view. To do this without attracting the attention of the enemy he should dismount before actually approaching the firing position, and all orderlies, etc., should be left out of sight in rear. He will also select a preparatory position, as close as possible to the firing position and hidden from the view of the enemy. The selection of a position for the second line of waggons is treated of under the heading of "Ammunition Supply."

In the later stages of the fight it will seldom be possible to select a preparatory position, nor would time permit of its being occupied, and the batteries will have to advance straight into the firing position selected and reconnoitred for them by the Lieut.-Colonel, but, at the long ranges at which the earlier stages of the fight takes place, the lie of the ground will generally offer suitable preparatory positions within easy reach of the firing position.

The Lieut.-Colonel then sends off his Adjutant to guide the batteries into the preparatory position, himself remaining on the firing position in observation of the enemy. When the batteries have arrived in the preparatory position he calls up the battery commanders, who dismount before reaching him and kneel as much as possible under cover. When they have come up to him he

1. Points out the full extent of the target and apportions it among them.
2. Communicates sufficient of the General's tactical sketch to enable them to readily follow the proposed operation and thus, by knowing beforehand what is required of them, to be able on receipt of an order from him, to turn their fire upon the proper portions of the target in succession according to the sequence of the fight.
3. Gives instructions if any special nature of fire is required of them, otherwise the choice of projectile is usually left to battery commanders.
4. Tells them what rate of fire is desired, *i.e.*, if a delaying action, slow, deliberate fire to economise ammunition, if a decisive action, ordinary, or in some cases, rapid fire to force a solution as quickly as possible.
5. Indicates to them the general alignment upon which he proposes that their batteries should take up position.

While the above instructions are being given to the battery commanders, the batteries in the preparatory position are being got ready, guns loaded and prepared, carefully inspected as to their fitness for immediate action, and depressed so that their muzzles may be in the correct position, or at least horizontal when unlimbered (a saving of time with slow motion elevating gear, such as that of the Mark 11, 12-pr. carriage), portable magazines and tube pockets filled, two of the case shot brought from the waggon and placed upon the gun, etc.

The battery commanders having received their instructions as to target, position, etc. (to be dealt with more in detail hereafter), they will proceed to the place that they propose to occupy in action, and thus mark for one flank of their batteries, they will at once communicate to their range-takers the portion of the target to which they desire the range to be found, and the latter will proceed with the operation. A signal is then made by each commander to his battery, at which the sectional officers and gun-layers fall out to him, dismount, and approach him on foot, keeping under cover all the time, the last named bringing with them their telescopic sights.

To these, battery commanders now communicate the following information, in which they will be greatly assisted by the use of a pointer, which defines objects much more graphically than any verbal description.

1. The full extent of the portion of the target assigned to the battery.
2. The ranging point, if any.
3. The nature and rate of fire, and the flank from which it is to begin.
4. Any special orders on the distribution of fire.
5. Sufficient information to enable them to comprehend quickly, from a verbal order, which portion of the target to turn their fire upon when their mission is complete against the portion first engaged. This will also enable them to grasp more quickly what is required of them after advancing to closer ranges, when the instructions given in a preparatory position are impossible.
6. The elevation for the first round. This is communicated last, for, while the previous information is being given the range-takers will probably have had time to take the range and make their report. The elevation thus given is immediately set upon the telescopic sights, when used, and can be verified if necessary.
7. The general alignment of the battery.

(To be continued.)

BRITISH COLUMBIA RIFLE ASSOCIATION.

The 19th Annual Prize Meeting will be held at Goldstream, near Victoria, on Wednesday, 27th inst., and following days. A very attractive programme has been prepared; the bulk of the prizes are, of course, in cash, but in addition there will be an unusual number of cups and other trophies offered. Among these are the Nanaimo Corporation cup, the Lieutenant-Governors' cup, the Laurie Bugle, Chapeau Challenge cup, Victoria Corporation cup, Occident Challenge cup, Nelson Challenge cup, &c.

Capt. Smallfield B.C.B.G.A. will be Range Officer. The Secretary and Assistant Secretary are respectively Capt. Fletcher and Mr. A. Langley; Capt. Dorman is Treasurer.

THE VICTORIA RIFLES.

The 22nd Annual Matches of the Victoria Rifles were fired at the Cote St. Luc Range, Montreal, on Saturday last. An excellent programme had been prepared, and although the number of competitors was not large, the shooting was good. Two features added considerable interest to the event—the presence of teams from H. M. S. "Pylades," and the appearance of the regiment's latest acquisition, the Maxim gun. Sergt. Mackeand was in charge of the Maxim which gave an excellent exhibition of its work in quick and accurate firing. The chief prize-winners were as follows:

MAIDEN STAKES.

200 yards. 5 shots. 4 prizes.

Sergt. Lanigan, No. 1 Company	19	points.
Private Grant, No. 3 Company	18	"
Staff-Sergt. Belcourt	18	"
Col.-Sergt. Gascoigne, No. 3 Company	16	"

ASSOCIATION MATCH.

200, 400, and 500 yards; 7 shots at each.

First class. 4 prizes.

Lieut. Desbarats, Reserve	87	points.
Staff-Sergt. McCrae, No. 2 Company	86	"
Capt. Busted, No. 6 Company	82	"
Private McMartin, No. 3 Company	82	"

Second class. 4 prizes.

Sergt. Lanigan, No. 1 Company	81	points.
Capt. Menkins, No. 3 Company	73	"
" Sims, No. 2 Company	70	"
Private McClatchie, No. 4 Company	65	"

Third class. 4 prizes.

Private Grant, No. 3 Company	65	"
" Davis, No. 5 Company	61	"
" King, No. 3 Company	56	"
Corpl. Phillips, No. 5 Company	52	"

QUEEN'S OWN CHALLENGE CUP.

No. 3 Company	442	points.
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CHALLENGE MATCH.

500 and 600 yards; 7 shots at each.

First class. 4 prizes.

Lieut. Pope, No. 6 Company	48	points.
" Wilson, No. 9 Company	46	"
Private Keough, No. 2 Company	44	"
Corp. Clarke, No. 5 Company	43	"

Second class. 4 prizes.

Sergt.-Major Gorman	45	points.
Staff-Sergt. Belcourt	43	"
Capt. Meakins, No. 3 Company	43	"
Sergt. Lanigan, No. 1 Company	39	"

Third class. 4 prizes.

Corp. Phillips, No. 5 Company	35	points.
Col.-Sergt. Gascoigne, No. 3 Company	34	"
Private Grant, No. 3 Company	30	"
Staff-Sergt. Baillie	27	"

SIMS' CHALLENGE SHIELD.

No. 5 Company	211	points.
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MARTINI MATCH.

600 yards; 7 shots; 5 prizes.

Private Locke, No. 5 Company	30	points.
Col.-Sergt. Gascoigne, No. 3 Company	27	"
Private McAfee, No. 3 Company	26	"
" McMartin, No. 3 Company	26	"
Sergt.-Major Gorman	26	"

OPEN MATCH.

200, 500 and 600 yards; 7 shots at each; 16 prizes.

Lieut. Pope, V. R. C.	81	points.
Gr. Sharpe, M. G. A.	81	"
Col.-Sergt. Pratt, 6th.	80	"
" Marks, 6th.	80	"
Private Keough, V. R. C.	80	"
" McNab, 5th.	80	"
Staff-Sergt. Wilson, M. G. A.	79	"
Private McAfee, V. R. C.	78	"
Sergt. Bell, M. G. A.	78	"
Lieut. Brown, V. R. C.	77	"
Col.-Sergt. Currie, 5th.	77	"
Sergt. Drysdale, M. G. A.	76	"
" Binmore, V. R. C.	76	"
Capt. Busted, V. R. C.	75	"
Gr. Cole, M. G. A.	75	"
Private McMartin, V. R. C.	75	"

TEAMS.

Victoria Rifles, 1st team	387	points.
6th Fusiliers, 1st team	369	"
5th Royal Scots, 2nd team	360	"
Montreal Garrison Artillery, 1st team	353	"

AGGREGATE PRIZES.

1st in matches 2, 3, 5 and 6	Lieut. Pope.
2nd " " "	Private Keough.
1st " 1, 2, 3	Sergt. Lanigan.
1st " 2 and 3	

MARTINI TEAM AGGREGATE.

Best in matches 5 and 6	No. 3 Company.
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At the annual meeting of the Hamilton Veteran Volunteers' Association held recently Chris. Kerner was re-elected president; John Alexander, treasurer; Thomas Walker, secretary; Major Barnard, commander of the forces; R. J. Faulkner and James C. Shearer, first and second lieutenants; W. S. Nixon, color-sergeant. The association enrolled Major Moore, Col. Skinner, Major O'Reilly and Col. Gibson as honorary colonels.

"D" Company, of the Seventh Fusiliers held their annual dinner on 30th June at the Grigg House, London. Capt. Booker presided, while Col. Payne and several other guests were present; about sixty persons in all sat down. The usual toasts were given. A number of excellent songs were sung, and a very jolly evening was spent.

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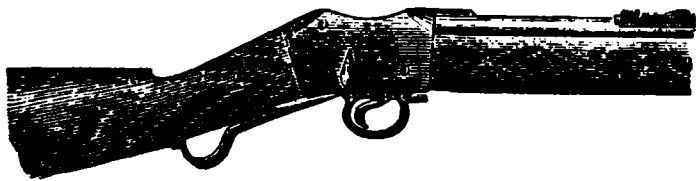
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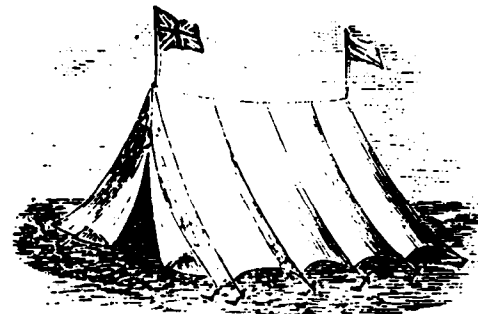
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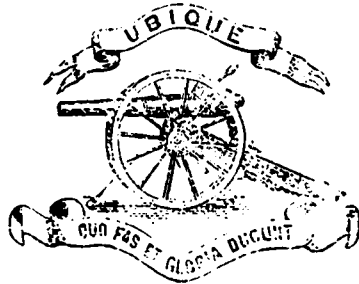


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25	" " " 50	25	1,250
100	" " " 25	100	2,500
200	" " " 15	200	3,000
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100	" " " 10	100	1,000
999	" " " 5	999	4,995
999	" " " 5	999	4,995

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