

Practice and gun drill fair. Marching drill not what it might be, but they only get a few days every other year (8).

The men are of fine physique, though the Battery paraded for inspection rather weak. Clothing, arms, &c., in good order. They are kept in an armoury off the drill Shed, which wants repairs very badly. If they had a gun in this shed, they say they would drill in the evenings, but I understand it is intended that they also are to be changed into Infantry. Captain Farley acted as Range Officer. Surgeon Stephens acted as Medical Officer.

This Battery competed for the Governor General's prize this year. They are full of zeal as gunners, but their side-arms are worn, and they have nothing to work with at anything but standing gun drill.

I inspected the St. Catherine's Division of the Welland Field Battery, Major F. King commanding, on the 27th December.

This Half-Battery was under the immediate command of Captain Wiley.

Officers present:—

Major King,

Captain Wiley, (G. S. 1st),

Lieut. A. B. Clenning, (G. S. 2nd),

41 non-comm'd officers and men.

These men paraded on foot, having been only lately raised, (partly transferred from the St. Catherine's Garrison Battery).

Two 9 prs. had been sent up from headquarters, and the men showed that good use had been made of them for drill purposes during the short time they have had to learn.

Standing gun drill, very good.

Answers to questions on material, etc., fair.

Dismounting gun and carriage, good.

Sword drill, fair.

A fine body of young men. Uniforms and accoutrements, such as they have, in fairly good order.

The men wore forage caps.

The two guns had been sent up in drill order, they were clean, but I cannot report on equipment generally.

A room has been made in a corner of the drill shed to contain the guns, clothing, harness, etc. It will be difficult to keep them in proper order, unless a chimney is constructed, so that a fire may be put on in damp weather.

Lieut. Col. Denison, Dep. Adj't Gen'l Mil'y District No. 2., mustered the men after inspection.

Forts at Kingston.

The forts, towers and barracks still require repairs. Little or nothing has been done since my last report (9). Repairs are now going on at the Tête-de-Pont Barracks. Estimates for these things have been made out.

Armaments.

The armaments and warlike stores in the different forts and towns in Artillery charge are regularly inspected and reported on, and are in good order.

REMARKS.

Field Batteries.

I beg again to repeat my remarks of last year as to increasing the number of horses per gun.

Garrison Batteries.

The Garrison Batteries reported on by me have not, in the existing nature of things, much chance of becoming efficient (10).

General parade state of all the Batteries that I inspected this year, and scale of credits for Governor General's efficiency, prize are annexed.

I have the honor to be, Sir,
Your obedient servant,

C. E. MONTIZAMBERT,
Lieut. Colonel,
Assistant Inspector of Artillery.

NOTES BY MAJOR-GENERAL COMMANDING.

- (1) An important requirement.
- (2) This Battery was disappointing, coming, as it does, from the Head quarters of a School of Gunnery.
- (3) I certainly hope that there may be for their state in Camp was very far from creditable.
- (4) This Battery is certainly improved since I first saw them.
- (5) Long boots ought to be supplied to Drivers and Blucher boots to Gunners.
- (6) Satisfactory.
- (7) I beg to call attention to this state of things.
- (8) This displays how annual drill is wanted.
- (9) I beg to call attention to this.
- (10) I beg to call attention to this.

LIEUT.-COLONEL COTTON'S REPORT.

ROYAL SCHOOL OF GUNNERY,
CITADEL, QUEBEC, 23rd November, 1883.

SIR,—I have the honor to forward you herewith my reports on the Field and Garrison Batteries, inspected by me during the present year.

These Corps all maintained their efficiency, and some are in a highly creditable state.

I append the marks awarded at inspection, in accordance with your instructions, by which a fair comparison of efficiency may be judged.

Nearly all the Garrison Batteries have this year carried out their annual practice from 64-pr. R.M. L guns, and with very good results.

Capt. Wilson, Commanding "A" Battery, Regt. C. A., inspected the Richmond Field Battery and the Gaspé Garrison Battery. His reports are herewith attached.

I desire again most strongly to recommend the issue of more modern equipment to the Richmond, Woodstock and Newcastle Field Batteries (1).

Since my inspection, a class of instruction under charge of Staff Sergt. Instructor W. N. King, "A" Battery, C. A., has been formed at Halifax for the benefit of the 1st Halifax Garrison Artillery.

A similar class was held in Montreal in connection with Lieut.-Col. Oswald's Brigade, and with most satisfactory results. Staff Sergt. Instructor W. Mawhinney, "A" Battery, C. A., acted as Instructor.

It is hoped that in the following year *all* Garrison Batteries will be detailed for drill (2).

I have the honor to be, Sir,
Your obedient servant.

W. H. COTTON, Lieut.-Colonel,
Assistant Inspector of Artillery.

To the Inspector of Artillery,
Ottawa.

Quebec Field Battery.

Inspected in Brigade Camp, Lévis, on the 5th and 6th days of July.

Major Crawford Lindsay (G.S. 1st) in command.

Capt. C. P. Dean do

Lieut. Garneau do

Lieut. Thibandean do

Veterinary Surgeon Hall.

On the 5th July the Battery was inspected at standing gun drill, disabled ordnance, mounting and dismounting ordnance, answers to questions, and on the 6th in field manœuvres, sword exercises and marching past.

The Major-General Commanding was present on the 6th. Four detachments took part in the dismounting and disabled ordnance, which was also done with reduced numbers by all four detachments (3).

The Battery is very efficient, and discipline good (4). Horses good.

Practice was carried on at the Island of Orleans, on the 20th September.

I append credits given at inspection.

Woodstock (N.B.) Field Battery.

Inspected in Camp at Woodstock on the 27th September.

Major Dibblee (G.S. 1st) in command.

Capt Lynch (G.S. st).

Lieut. Emory (G.S. 1st).

Lieut. Garden (G.S. 1st).

Surgeon Smith.

Vet. Surgeon Gilman.

Horses very good. Gun drill and field manœuvres fair. The harness requires some slight repairs. The equipment of the Battery is old, obsolete, and the gun carriages unserviceable (5).

Practice carried on at Woodstock on the 28th September. The axletree boxes had to be removed during practice, to prevent them *being shaken off* (6).

I append credits given at inspection.

CITADEL, QUEBEC, November 24th, 1883.

SIR,—I have the honor to report that, in accordance with your instruction I inspected the Richmond Field Battery at Melbourne, P.Q., on the 5th October 1883.

The weather had been so unfavorable during the whole of their training, that it was impossible to form a fair estimate of their efficiency.

Being armed with 24-pounder Howitzer's, and the ground in such soft condition from the heavy rains, I was unable to see them in any field movements.

Their standing gun drill was good. Harness in a fair condition. Horses somewhat undersized.

The Officer commanding this Battery reported that he had been frequently promised to have the armament of his Battery changed to more modern equipment, but as yet nothing had been done (7).

The Officers present were :

Major, Hon. H. Aylmer, Commanding.

Lieut. Critchley (1st Class S.C., R.S.G).

Lieut. Stevens.

Dr. Brown.

I append credits given at inspection.

I have the honor to be, Sir,
Your obedient servant,

J. F. WILSON, Captain,
Commanding "A" Battery.

To the Assistant Inspector of Artillery,
Quebec.

No. 2 Battery, Lévis Garrison Artillery.

Inspected at Engineers' Park, Lévis, on the 28th August, 1883.

Present on parade:—

- 1 Capt. Vien, (G.S., 1st) in command.
- 1 Lieut. Houde, (G.S., 1st.)
- 3 Sergeants.
- 3 Corporals.
- 1 Trumpeter.
- 25 Gunners.

—
34 Total present at inspection.

Clothing and accoutrements clean and in fair order. Company drill good. Manual and firing exercise fair. Standing gun drill, 24 Pr. S.B., two detachments—one good, the other fair. This Battery is composed of a fine body of young, intelligent men. The Annual Practice was carried out on the Island of Orleans, from the 64 Pr. R.M.L. Gun, on the 23rd August.

St. John (P.Q.) Garrison Battery.

Inspected on the 14th September, 1883.

Major Drumm in command

Lieut. Tenny.

“ Futroye, absent without leave.

Present on parade:—

- 1 Captain.
- 1 Lieutenant.
- 2 Sergeants.
- 1 Corporal.
- 1 Bugler.
- 25 Gunners.

The arms, clothing and accoutrements were in perfect order—evidently well cared for (9).

Company drill and manual and firing exercise, fair.

Standing gun drill good.

Practice was carried on from 24 Pr. Gun.

I append credits given at inspection.

No. 1 Battery, Lévis Garrison Artillery.

Inspected on the 22nd September at No. 2 Fort, Lévis.

Present on Parade.

Major Hamel, (G.S. 1st) in command.

Lieut. Martineau.

Present on parade:—

- 1 Captain.
- 1 Lieutenant.
- 3 Sergeants.
- 3 Corporals.
- 3 Bombardiers.
- 1 Trumpeter.
- 27 Gunners.

Clothing in poor order, rifles and accoutrements in very bad state (10). Special report was made at the time to D. A. G., Military District No. 7, of this matter. Company drill and manual and firing exercise fair. Standing gun drill good. Practice carried out at Island of Orleans from 64-pr. R.M.L. gun on 22nd August. I append credit given at inspection.

New Brunswick Brigade Garrison Artillery.

Inspected at Fort Dufferin on the 8th and 9th of October.

Lieut.-Col. Foster in command.

Staff Officers.....	7	Staff Sergeants.....	5
No. 1 Battery (officers).....	3	N.-C. O and men.....	36
“ 2 “	2	“ “	35
“ 3 “	1	“ “	17
“ 9 “	2	“ “	30
“ 10 “	2	“ “	30
	—		—
	17		153
	—		—

No. 7 Battery were to have been inspected at their Battery Headquarters, Chatham. A detachment of this Battery arrived at St. John on the 9th, and performed their annual practice. Clothing, arms and accoutrements in good order. Company drill and manual and firing exercise fair. Some Officers were unable to put their Batteries through the manual and firing exercises (11). Gun drill good. The annual practice was carried out from 64-pr. R.M.L. guns under my supervision from Fort Dufferin on the 8th and 9th. There was a very efficient drum and fife band present at inspection (12). Lieut.-Col. Fisher, for many years in command of this Brigade, is retiring at the end of the year. He is to be congratulated on the state in which he hands it over. I append credit given at inspection.

Major and Bt.-Lieut.-Col. G. H. Pick and Lieut. G. F. Cole were absent without leave. The Commanding Officer reports that these Officers have been so absent for some years (13).

Yarmouth Garrison Battery.

Inspected at Yarmouth on the 11th October.

Captain T. R. Jolly in command.

Present on Parade:—

- 1 Captain.
- 3 Sergeants.
- 25 Rank and file.

Clothing, arms and accoutrements in good order. Gun drill good. Company drill and manual, and firing exercises fair (14).

Owing to heavy fog, the practice could not be carried out during my inspection, but has since been performed. Two guns of this Battery are badly spiked and have been specially reported on.

I append credits given at inspection.

1st Halifax Brigade Garrison Artillery.

Inspected at Point Pleasant Battery on the 16th, 17th and 18th October.

Lieut.-Col. Thomas Mowbray in Command.

Present on Parade :

Staff Officers.....	2		
No. 1 Battery (officers)	2	N.-C.O and men.....	23
“ 2 “ “	1	“ “	14
“ 3 “ “	3	“ “	32
“ 4 “ “	1	“ “	12
“ 5 “ “	1	“ “	12
“ 6 “ “	1	“ “	10
Total.....	11	Total.....	103

A falling off in numbers from last year.

Clothing, arms and accoutrements in good order. Company drill, manual and firing excise good. Gun drill good.

As the Brigade did not parade as a whole, there was no Battalion drill. The annual practice was carried on from Point Pleasant Battery, from 64-pr. R. M. L. guns, under my supervision on the 16th, 17th and 18th. I would recommend that a Class of Instruction be formed at Halifax* for the benefit of the Brigade, at which Officers and N. C. officers can qualify for certificates.

I append credits given at inspection.

NOTE—Has been sanctioned and is now in progress.

To the Assistant Inspector of Artillery,
Quebec.

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QUEBEC GARRISON ARTILLERY.

Inspected at Quebec on the 5th April.

Nos. 1, 2 and 3 Batteries, commanded by Capts. Roy, Boulanger and Morgan, respectively.

These Batteries are all very efficient. Clothing, arms and accoutrements in good order.

Lieut. Lortie, of No. 2 Battery, was reported absent without leave.

These Batteries performed their annual practice with 64-pr. R. M. L. guns at the Island of Orleans, on the 22nd and 33rd days of August.

I append credits given at inspection.

CITADEL, QUEBEC, 24th November, 1883.

SIR,—In accordance with your instructions, I inspected the Gaspé Battery of Garrison Artillery on the 14th November, 1883.

I have the honor herewith to forward my report on the same.

Capt. and Br.-Major Slous, commanding. 1st Class L. C., R. S. G.

1st Lieut. Carter, 1st Class S. C., R. S. G.

2nd Lieut. Annett (P).

This last-named officer has just been promoted from the rank of Sergt.-Major, and as yet has no uniform.

I found the men of magnificent physique, intelligent, and anxious to improve themselves in their Military duties.

In my inspection I was guided by D. A. A. rules, Circular 49.

Clothing and accoutrements, good. Company drill, fair. Manual and firing exercises, good. Standing gun drill, very good.

In the answers to printed questions, both the Officers and N.-C. Officers were very well up.

I superintended the shot and shell practice from two 24-pr. S. B. guns, mounted on iron standing carriages, no elevating screws and no wooden tangent scales. Score, 197.

Parade State.

1 Major, commanding.
2 Lieutenants.
3 Sergeants.
3 Corporals.

28 Gunners.

I mustered the men and forwarded pay list to D. A. G., Military District No. 7.
I append credits given at inspection.

I have the honour to be, Sir,
Your obedient servant,

J. F. WILSON, Captain,
Commanding "A" Battery.

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NOTES BY MAJOR-GENERAL COMMANDING.

- (1) Recommended.
- (2) Recommended if money be forthcoming.
- (3) I was very glad to see this Battery continue in its highly creditable condition.
- (4) I consider Major Crawford Lindsay a most valuable Officer, full of zeal.
- (5) The men of this Battery *deserve* to be supplied with better guns.
- (6) A sad state of carriages.
- (7) I beg to call especial attention to this.
- (8) Very satisfactory.
- (9) Unsatisfactory.
- (10) Unsatisfactory.
- (11) Unsatisfactory.
- (12) The knowledge of Officers is of more importance than music.
- (13) Should be struck off.
- (14) Satisfactory.

CREDITS AWARDED EACH BATTERY FOR GENERAL EFFICIENCY.

GARRISON BATTERIES.

Name of Battery.	Officer Commanding.	Inspecting Officer.	Clothing and Accoutrements.		Company Drills.		Manual and Firing Exercises.		Standing Gun Drill.		Answers to questions by		Each Officer and Man with an Artillery Certificate.	Each Man with an Efficiency Badge.	Discipline and Interior Economy.	Total.	Remarks.	
			Full Credits...						Officers.	N. C. Officers.								
Collingwood Battery	Lt.-Col. Hogg...	Lt.-Col. Montizambert	10	10	10	19	25	30	24				10	72			*Lt.-Col. Oswald, Commanding Brigade. Owing to all the arms, equipment and artillery stores of this Brigade having been placed in store, on account of their armory and drill shed being dismounted, no artillery inspection was possible.	
Sarnia do	Capt. Ellis	do	7	3	8	9	22	17	4				9	29				
No. 1 Battery, Montreal Brigade.	do Trotter	District Staff																
do do	do Forbes	Major Wilson	5	2	8	20	21	19	8				5	88				
do do	do Laurie	Lt.-Col. Cotton	9	8	8	25	20						8	87				
do do	do Cole	do	8	8	6	22	10						8	70				
Gaspé Battery	do Turnbull	do	8	7	6	22	10						9	82.5				
No. 1 Battery, Quebec.	Major Slous	do	7	6	6	22	10						6	59.25				
do do	Capt. Roy	do	7	6	7	20	12						5	88				
No. 1 Battery, Lévis	do	do	7	5	3	12	16						5	65.5				
No. 2 Battery, N. B. Brigade.	do	do	8	4	4	19							6	45				
do do	do Kane	do	8	6	3	13	10						7	52				
do do	do Ring	District Staff	6	4	2	15	6						5	43				
do do	do Ewing	Lt.-Col. Cotton	9	7	6	14	10						7	59				
No. 1 Battery, 1st Brigade, Halifax	Capt. Lander	do	8	5	6	20	20						9	88				
do do	do Armstrong	do	8	6	7	20	10						5	87.5				
do do	do	do	8	8	6	25	25						5	41				
do do	Capt. Curran	do	5	5	5	12							5	32				
do do	do	do	5	5	5	12							5	32				
do do	do	do	6	4	4	20	10						6	56				
Yarmouth Battery	Capt. Jolly	do	6	4	4	20	10						6	56				

No. 1 Battery, P. E. I. Brigade	do Passmore	Lt.-Col. Irwin	8	7	7	22	18						3	89			Major Irving, Commanding Brigade.
do do	do Moore	do	8	7	7	21	18						2	82			
do do	do Owen	do	6	6	6	15	19							74			
St. John's, P. Q., Battery	Major Drumm	Lt.-Col. Cotton	7	6	6	18								8	45		
Pictou Battery	Capt. Gordon	Lt.-Col. Irwin	8	7	7	18	6						4	69			Drill not completed in time for artillery inspection.
Digby	do Daley	District Staff															

CREDITS AWARDED EACH BATTERY FOR GENERAL EFFICIENCY.
FIELD BATTERIES—9 POR. M. L. R. GUNS.

Name of Battery.	Officer Commanding Battery.	Inspecting Officer.	Clothing and Accoutrements.		Guns, Carriages and Equipment.		Horses.		Harness and Harnessing.		Marching Post.		Standing Gun Drill, Position and General Duties.		Answers to questions by Officers.		Field Managers.		Sword Drill by Mounted Officers and N. C. Officers.	Dismounted and Disabled Ordnance.	Discipline, including Camp-ing Details.	One-fifth Total Score at Competitive Practice.	Total.	Remarks.			
			Full Credits...																								
Quebec Field Battery	Major Lindsay	Lt.-Col. Cotton	9	10	10	10	8	13	10	25	40	43	25	20	4	10	93	2	295	45	10	93	2	295	45		
Montreal do	Lt.-Col. Stevenson	do Irwin	10	10	10	10	10	14	8	20	24	28	18	4	9	88	4	252	4	9	88	4	252	4			
No. 1 Battery, 1st Brigade.	Major Nicoll	do do	9	9	8	10	7	20	29	31	20	5	7	8	89	250	8	71	8	236	8	8	89	250			
do do	do Hood	do do	9	8	9	12	8	22	28	22	23	3	9	10	68	6	232	6	9	68	6	232	6				
Ottawa Field Battery	do Stewart	do Montizambert	10	9	10	13	8	22	9	17	20	2	2	6	9	88	8	223	8	9	88	8	223	8			
Welland Canal Field Battery	do King	do do	8	6	10	10	7	18	22	25	16	3	5	7	79	8	216	8	7	79	8	216	8				
London Field Battery	do Peters	do do	9	8	10	10	8	20	22	18	20	3	5	9	70	2	212	2	4	69	2	209	2				
Toronto do	do Gray	do do	9	8	10	13	8	21	14	13	22	4	8	10	44	8	202	8	8	44	8	202	8				
Durham do	do McLean	do do	7	9	9	12	9	20	31	19	21	2	2	8	77	4	201	4	10	77	4	201	4				
Gananoque do	do McKenzie	do do	6	8	5	12	8	22	8	31	20	2	2	6	58	8	200	8	9	58	8	200	8				
Kingston do	Capt. Wilmot	do do	7	9	9	8	12	8	22	8	27	11	16	16	16												
Hamilton do	Major Van Wagner	do do	7	9	9	8	12	8	22	8	27	11	16	16	16												
Shefford do	Lt.-Col. Amyrauld	do do	7	9	9	8	12	8	22	8	27	11	16	16	16												
9 POR. SMOOTH BORE GUNS.																											
Newcastle Field Battery	Major Call	Lt.-Col. Irwin	9	6	9	12	8	18	18	18	22	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	
Woodstock do	do Dibblee	do Cotton	7	5	10	7	9	15	36	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	
Richmond do	do Aymer	Capt. Wilson	8	5	5	10	5	20	12	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	

* Failed to show proficiency.

† Lt.-Col. Macdonald, Commanding Brigade.

** Owing to nature of Equipment could not compete.

APPENDIX No. 5

ANNUAL REPORT ON THE REGIMENT OF CANADIAN ARTILLERY.

[OTTAWA, December, 1883.

SIR,—I have the the honor to report that since my appointment to the command of this Regiment, on the 10th August, I have made a close and detailed inspection of both the Batteries of which it is as present composed, and of the Royal Schools of Gunnery attached thereto.

1. The results of my inspections have satisfied me that, with the exception of a few minor points of detail in the administration of interior economy, in which a difference of practice has existed, the system pursued in each Battery is in strict accordance with the Regulation and Orders for the Militia and with the Queens' Regulations.

The publication of revised Standing Orders for the Regiment will insure for the future an exact uniformity in all matters of administrative detail.

2. The system of instruction has, however, not been so uniform as is desirable, and in consequence I found it necessary to issue a Syllabus of Instruction, applicable to all ranks at the Royal Schools of Gunnery. (Vide Regimental Orders herewith). The very important share in the instruction of Officers, N.-C. Officers and men attached to these Batteries, which devolves upon the Officers belonging to the Regiment, does not seem to have been as universally recognized as it should have been, and as any failure in this respect re-acts, not only upon the nature of the instruction given, but also upon the general estimation in which these Schools are held, it is of the greatest importance that all first appointments to the permanent establishment of Officers of the Regiment should not only be of such a provisional nature as to depend upon ultimate qualification, but should also have especial reference to the fitness and ability of the individual to acquire and impart the necessary instruction, and to maintain in a proper manner the position which a commission in this Corps d'elite necessarily involves.

3. I regret to report that very great difficulty is experienced at Quebec in obtaining a sufficient supply of eligible recruits, the Battery stationed there having been from 10 to 20 under its authorized establishment throughout the year. At Kingston, from its more central situation, there is naturally not such difficulty in obtaining recruits, but Lieut.-Col. Montizambert reports that the best class of young men do not come forward, and there is no doubt but that owing to the present state of the labour market and existing rate of wages, the pay offered to soldiers is not sufficient to induce the better class to enlist.

The statistics of military crime, desertions, &c., universally show that the expense to the Government, consequent upon the maintenance of military prisoners, and loss of equipment, &c., more than counterbalances the small increase of pay which would suffice to induce men of good character to adopt the service as their profession, and the resultant benefits accruing to Corps whose present most important duties are connected with the instruction of others, will, I trust, induce the proper authorities to a serious consideration of this most important subject.

4. As will be seen in Lieut.-Col. Montizambert's report, a large number (59) of Officers and N.-C. Officers of Cavalry, Engineers and Infantry availed themselves of the facilities offered by that School of Gunnery for the purpose of obtaining certificates of qualification in their various Corps. The establishment of separate schools for these Corps will, for the future, relieve the Artillery Schools of

this additional strain, and enable Artillery exercises and instruction to be more fully and systematically conducted.

5. Very many necessary and important repairs to artillery, material, stores, building, &c., have been carried out during the last year by the Battery artificers. It is proposed to still further extend the sphere of their operations, and to establish workshops at each Battery Headquarters, for the purpose of repairing all kinds of Artillery equipment, and, so far as possible, manufacturing guns and transporting carriages and platforms.

6. Captain and Bt. Major J. G. Holmes, "A" Battery, was detached for duty in British Columbia in April last, being appointed Acting Deputy Adjutant-General of Military District No. 11, on his arrival at Victoria, and on the organization of the Regiment on 10th August, was promoted to the rank of Lieut.-Colonel, and to be Commandant of "C" Battery, which is about to be organized.

From my experience of this Officer's services during the past ten years, and of the unremitting zeal and assiduity with which he performed the arduous duties of Adjutant and Quartermaster during the whole of that period, I have no doubt but that he will be found fully competent in every respect to perform the responsible duties devolving upon him in his present position.

7. I attach herewith the Annual Report submitted to me by Lieut.-Cols. Montizambert and Cotton, Commandants of "B" and "A" Batteries, and endorse most strongly their recommendations, relative to an increase of pay to the rank and file (1)

I have the honor to be, Sir,
Your obedient servant,

D. T. IRWIN, Lieut. Col,
Commanding Canadian Artillery Regiment.

NOTE BY MAJOR GENERAL COMMANDING.

I. I concur with Lieut.-Col. Irwin that an increase of pay will result in economy and increase of efficiency.

REGIMENT OF CANADIAN ARTILLERY—REGIMENTAL ORDERS (1).

GENERAL REGULATIONS for the instruction of Officers, N.-C. Officers and men of the Artillery at the Royal Schools of Gunnery, whether belonging to the Regiment or attached for a course of instruction.

The following Syllabus is arranged for a short course of three months, comprising seventy-five day's actual drill.

During the course it is understood that in each week twenty-five hours practical and three hours theoretical instruction will be given, but this distribution of practical and theoretical instruction may be varied at the discretion of the Commandants.

Garrison Artillery.

Subjects.	No. of Days.	Subjects.	No. of Days.
Squad drill.....	5	Knotting and lashing.....	4
Rifle exercise.....	8	Transporting ordnance.....	4
Company drill.....	5	Gyn drill.....	4
Standing gun drill.....	10	Mortar drill.....	3
Traversing platform drill.....	4	Regimental duties.....	12
B. L. Siege gun drill.....	6		
Elementary exercises.....	3	Total days.....	75
Shifting ordnance.....	7		

Field Artillery.

Squad drill.....	5	Harnessing.....	4
Rifle exercises.....	8	Riding.....	8
Company drill.....	2	Sword drill.....	5
Standing gun drill.....	14	Regimental duties.....	12
Mounting and dismounting field gun.....	5		
Disabled ordnance.....	4	Total days.....	75
Field manoeuvres.....	8		

Engineers.

Squad drill.....	5	Course of Instruction at the Royal Military College.....	45
Rifle exercises.....	8		
Company drill.....	5	Total days.....	75
Regimental duties.....	12		

With the exception of squad drill and rifle exercises, which should be completed before artillery exercises are commenced, it is not to be considered obligatory that the above drills should be all completed in the order mentioned. Company drill for instance, may advantageously be practised at the weekly marching order drills throughout the course.

In the Garrison Artillery course, drill with transporting carriages and with mortars, and in the Field Artillery course, riding and sword drill, may be omitted in the case of attached men who are backward in the remainder of their drills.

Theoretical Instruction.

This instruction, apart from that given during the hours of actual drill, will be comprised in a course of thirty-six lectures, of about one hour each, three to be given during each week by the Officers of the Battery, or in their unavoidable absence, by the Sergeant Instructor 3.

The lectures will include the following subjects, viz. :—

Ammunition.—Twelve lectures. As comprised in the Manual for Seige and Garrison Artillery. Vol. 1, and the Canadian Field Artillery Manual.

Gunnery.—Twelve lectures. As comprised in the above manuals—including all details relative to the flight and effect of projectiles; Artillery fire; range finding, &c.

Artillery.—Twelve lectures. Comprising description of service ordnance; sighting and rifling; carriages; material and appliances; machines and transporting carriages; field equipment and details of packing, entrenching field gun.

In the delivery of the above course of lectures, Instructors are to pay particular attention to the illustration of the subject in hand, by diagrams and models, and to refer their squads to the particular portions of the manuals which are being illustrated.

It will be found advisable and advantageous to detail an Officer for each separate course of lectures, the subject being changed at the commencement of each short course.

Regimental Duties.

Officers, N.-C. Officers and men going through a course of instruction, will take their ordinary tour of duty whenever considered qualified therefor by the Commandant. Officers will attend the orderly room daily until dismissed by the Commandant and also all Courts Martial.

Officers.

Officers attached for a course of instruction who show sufficient aptitude at their Artillery drills, may, at the discretion of the Commandant, be permitted to attend

a course of practical and theoretical instruction to be especially arranged for by the Commandant, in Military law and interior economy, range finding and elementary military surveying and reconnoissance.

If stationed at Kingston they may, instead of the above additional course, attend the special course of instruction at the Royal Military College—as provided for in G. O. (22) 1st December, 1882.

Examinations.

Examinations for short course certificates, grades A and B, will be held at the termination of each course of instruction, and will be open to all Officers, N.-C. Officers and men belonging to the Regiment, or attached for a course of instruction.

The practical examination in all drills and exercises, mounted or dismounted, will be personally conducted by the Commandant, assisted, when necessary, by the Officer commanding the Battery, and the Adjutant—and marks will be given for proficiency and capability of imparting instruction in the following subjects, viz:—

<i>Garrison Artillery.</i>		
Subjects.	Full Marks.	Details.
Infantry Exercises.....	50	} Including Manual and firing exercises and Company Drill.
Gun Drill.....	100	
Seige Gun Drill with 40-pr. B.L.	100	} Includes coming into action and limbering up, and mounting and dismounting Gun.
Shifting Ordnance.....	80	
Gun Drill	40	} Mounting or dismounting Gun by par-buckling, or by the rear, and elementary exercises.
Mortar Drill.....	30	
	400	As detailed in Manual. do do

<i>Field Artillery</i>		
Subjects.	Full Marks.	Details.
Infantry Exercise.....	30	} Including Manual and firing exercises and Company Drill.
Gyn Drill.....	100	
Disabled Ordnance.....	100	} Includes mounting and dismounting gun and carriage, changing wheels and disabled ordnance.
Field Manœuvres.....	50	
Harnessing.....	30	} Mounting detachment, and not less than six field manœuvres.
Sword Drill.....	50	
Riding.....	40	As detailed in Manual. do do
	400	

The examination in subjects of theoretical instruction will be conducted by means of papers containing not less than nine questions in each subject; Ammunition, Gunnery and Artillery.

Candidates will be required to give written replies to these questions, three hours being allowed for each paper.

The papers of questions will be prepared by the Commandant, who will also examine and mark the value of the answer sent in.

The questions will be limited to the subjects actually treated on, and explained by the previous course of lectures, and must be answered without extraneous assistance of any kind.

An Officer will be required to be present during the examination, and it will be his duty to see that no conversation whatever takes place between the candidates; that no one is permitted to leave the room before handing in his written answers, and that no opportunity is afforded to any candidate to obtain information from any other.

To each paper of questions 100 marks will be allotted, the individual value of each question being shown in the margin.

To obtain a 1st Class "Short Course" Certificate, grade A or B, 75 per cent. of the whole number of marks for both practical and theoretical subjects must be obtained; and for a 2nd Class, 55 per cent.

Any candidate obtaining less than 30 per cent. of the whole number of marks allotted for either practical or theoretical subjects, will be disqualified.

For a "Special Course" Certificate, the above rules will apply, with the exception that 50 per cent. of the total number of marks need only be obtained for qualification—there being no classification for this certificate.

In all subjects taught at the Royal Military College the examination will be conducted at that institution.

Long Course of Instruction.

Officers and N.-C. Officers belonging to the Regiment, or who, being attached for instruction, and having obtained a "Short Course" Certificate, are permitted to remain for a "Long Course" of instruction, will be required in the first instance to attend the "Short Course" of instruction in whichever branch of the Artillery service they have not previously received instruction.

They will, if Officers, be required to attend the "Special Course" of instruction at the Royal Military College in Military Surveying and Engineering, Strategy, Tactics and Reconnoissance and Military Administration.

During this course they will be attached to the Royal School of Gunnery at Kingston.

All ranks will also be required to pass through such a course of instruction in all Artillery and Infantry drills and exercises, mounted and dismounted, as the possibilities of the School of Gunnery to which they are attached will afford, and will be finally examined in all such drills and exercises.

The theoretical course of instruction will, besides a more extended course of lectures in Ammunition, Gunnery and Artillery, include Tactics, Military Law, Queen's and Militia Regulations, Standing Orders, and Interior Economy, and as an additional subject, Signalling may be taken up with advantage.

Examination for Long Course Certificates.

This examination will be conducted on the same general principles as that for "Short Course" Certificates, with the same percentage of marks required for qualification.

In the awarding of marks, ability to impart instruction will be considered as of the highest importance.

D. T. IRWIN, Lieut.-Col.,
Commanding Regiment C.A.

Ottawa, October, 1883.

ANNUAL REPORT ON "A" BATTERY, REGIMENT, C.A.

CITADEL, QUEBEC, December 1st, 1883.

SIR,—I have the honor to submit herewith the Annual Report of the "A" Battery Regiment, C.A., and Royal School of Gunnery, Quebec, for the year ending 30th November, 1883.

JOINED FOR INSTRUCTION.

	Officers.	Non-Com-missioned Officers and men.	Total.
Artillery	3	18	21
Engineers			
Cavalry	1	5	6
Infantry	2		2
Total	6	23	29

CERTIFICATES GRANTED—Long Course Gunnery.

Rank.	Names.	Corps.	Classification.
Major	Hudon, L. D.	89th Battalion	2nd Class.
Captain	Begin, J. V.	17th do	2nd do
do	Fages, J. A.	87th do	1st do

Short Course Gunnery.

Captain	Lemieux, E.	Chicoutimi Company	1st Class.
Lieutenant	Roy, H. O.	87th Battalion	1st do
2nd Lieut.	Critchley, I. O.	Richmond Field Battery	1st do
2nd do	Morgan, D. W.	No. 3 Battery, Q. G. A.	2nd do
Sergt.-Major	Johnston, W.	No. 7 do N.B. Bge. G. A.	3rd do
Sergeant	Methot, A. L. A.	No. 2 do Q. G. A.	3rd do
Bombardier	Laidlaw, A.	"A" do	3rd do
do	Dawin, H.	Woodstock Field Battery	4th do
Gunner	Fitzpatrick, J.	No. 7 Battery N.B. Bge. G. A.	4th do
do	Stewart, W.	do do	4th do

INFANTRY CERTIFICATES.

Captain	Begin, J. V.	17th Battalion	1st Class.
Lieutenant	Roy, H. O.	87th do	1st do
2nd Lieut.	Paquet, J. B.	17th do	1st do

ARTILLERY SCHOOL—Montreal.

Lieutenant	Lane, C.	Montreal Bge. G. A.	2nd S. Class.
B. S. Major	Benton, J.	do	3rd do
Sergeant	Anderson, A.	do	3rd do
Gunner	Scott, A.	do	3rd do
do	Boyd, W. A.	do	3rd do
do	Henry, T.	do	3rd do
do	Jones, S. D.	do	3rd do
do	McDonald, P.	do	4th do
do	McGuiness, W. A.	do	4th do

INFANTRY INSTRUCTORS.

The Sergeant Instructors of Infantry were detailed to the following places during the year:—

Sergeant	Coyne, "A" Battery	Joliette College	28 2'83
do	Phillips do	St. Mary's do	30 4'83
do	Phillips do	do do	1 10'83
do	Savignac do	Joliette do	8 10'83

CAMPS.

The following Non-Commissioned Officers were detailed for instructional purposes at the undermentioned camps:—

Sergeant	Phillips, "A" Battery	Camp Sergt.-Major	} Brigade Camp, St. Johns, P.Q.
Corporal	Kinseida do	Provost Sergeant...	
S. Sergeant	Baxter, 4th D.G.	Cavalry Instructor	
Trumpeter	Begin, "A" Battery	Staff Bugler, Camp Laprairie.	
S. Sergeant	King do	Instructor Quebec Field Battery, Camp Lévis	
do	do do	do Montreal do do Mile End.	
do	do do	do Digby Garrison Battery.	
do	do do	do Special Artillery Course, Halifax.	
do	do do	Cavalry Instructor, Camp Sussex.	
do	Baxter, 4th D.G.	Instructor Richmond Field Batty., Camp Richmond.	
do	Stroud, "A" Battery	do Special Artillery Course, Montreal.	
do	Mawhume, do		

Captain Peters and 10 Non-commissioned Officers and men were in camp at Island of Orleans during the annual gun practice.

Enlistments and Re-Enlistments in "A" Battery.

Enlisted during the year	45
Re-enlisted after discharge	3
Re engagements	14

A special course of Artillery instruction in connection with the 1st Halifax Brigade Garrison Artillery, is now in progress under charge of Staff Sergeant W.N. King, "A" Battery.

Repairs.

The following principal repairs have been effected during the year to the Citadel and other military works at Quebec:—

- Small portion of roofing over main gate, Citadel;
- Preparations for rebuilding escarp wall, Diamond Bastion;
- Repairs to Jebb's Redoubt.
- Repairs to Mann's Barracks.
- Repairs to Officers' mess premises;
- Repairs to escarp wall, Richmond Bastion;
- Preparations for roofing Dalhousie Bastion, casemates;
- Pointing walls generally in St. Charles Nunnery and Half Moon Batteries.

Since my last report, Lieut.-Col. J. G. Holmes has been promoted from the command of "A" Battery, to be Commandant Royal School of Gunnery at Victoria, B.C., and has been succeeded by Major J. F. Wilson.

The following Officers have been appointed to "A" Battery:
Gentleman Cadet V. B. Rivers, from Royal Military College.
Lieut. J. A. G. Hudon from No. 1 Battery, Quebec Garrison Artillery.

The annual competition between "A" and "B" Batteries took place this year at Kingston, "A" Battery winning the firing and "B" Battery the shifting ordnance competition, respectively.

The annual rifle practice of "A" Battery was held during the summer at the ranges, Engineer's Park, Lévis, the figure of merit being 43.18. Prizes amounting to \$40 were given from the Canteen Funds.

The annual athletic sports were held on the Race Course, Plains of Abraham, and were well contested.

With reference to my report of last year, I desire to again recommend that a slight alteration be made in the pay and allowances of the N. C. Officers and men of the Batteries.

Lieut.-Col. Montizambert also made the same recommendations last year, and both were endorsed by you and the Major-General Commanding.

I have received the greatest assistance from all ranks in discharge of the duties of the Royal School of Gunnery.

Armament.

The armament of Quebec still remains the same as during the last few years. Excepting 25 rifled guns, it is composed of S. B. ordnance. The ordnance mounted is in a serviceable condition, although nearly all of obsolete pattern (1). Some of the S. B. ammunition is deteriorating from age and the effects of damp.

The Observatory at Quebec was handed over to me in the month of May last, the entire management of which I have placed in charge of Capt. Drury, "A" Battery. That service, and the meteorological observations, in charge of Sergeant-Major Walters, have been most efficiently performed (2).

I have the honor to be, Sir,
Your obedient servant,

W. H. COTTON, Lieut.-Col.,
Commandant, Royal School of Gunnery, Quebec.

The Officer Commanding Regiment C. A., Ottawa.

NOTES BY MAJOR-GENERAL COMMANDING.

(1) It is a matter of great regret that the historical Citadel of Quebec should have so poor an armament, and I beg to call the attention of Government to this report.

(2) I concur in this opinion.

"B" BATTERY, REGIMENT OF CANADIAN ARTILLERY.

SIR,—I have the honor to report that during the year ending 30th November 1883—

99 N. C. Officers and men re-enlisted and enlisted in "B" Battery Regiment of Canadian Artillery. In addition, 100 Officers, N. C. Officers, gunners and drivers, troopers and privates joined for instruction, as follows:—

Corps.	Officers.	Non-Com. & Officers & Men.	Total.	Remarks.
Artillery	3	38	41	1 long course.
Cavalry	2	16	18	
Engineers	2	3	5	
Infantry	20	16	36	
Total	27	73	100	

The following is a return of Certificates granted:—

Rank.	Classification.					Total.	Remarks.
	1st.	2nd.	3rd.	4th.	At-tend-ance.		
Officers.....	17	2	.....	.....	.....	19	1 long course.
N.-C. Officers and Men	3	9	27	8	40	87	
Grand Total.....	20	11	27	8	40	106	

In addition to the ordinary Gunnery School work, the undermentioned Instructors have been employed as follows:—

Staff Serg. Lyndon, Shoeburyness Team and Kingston Field Battery Camp, Cobourg.

Staff-Sergeant Maguire, Third Provisional Regiment, Cavalry Camp, Cobourg.
Sergt. Strange, Welland Canal Field Battery Camp, Niagara; Durham Field Battery Camp, Cobourg.

Sergeant Infantry-Instructor Billman, Military School, London; Dufferin College and High School, London; Acting Sergt.-Major 32nd Battalion Camp, London, and Mount Forrest High School.

Sergt.-Instructor Hewlett, Brigade Sergt.-Major Camp, Cobourg.
" " Jordon, Acting Sergt.-Major 47th Battalion Camp, Cobourg.
" " Baugh, 15th Battalion A. L. I., Belleville.

The usual annual shifting and firing competitions between "A" and "B" Batteries took place this year on the 15th and 16th of October, respectively, the former being won by "B" and the latter by "A" Battery.

General interest was taken in the Battery Rifle Association this year, and a most successful meeting was held at the Kingston butts:—

Cash prizes.....	\$320
Citizens' prizes, in kind.....	260

The Gentlemen Cadets, Royal Military College, have been instructed in equitation by Major Short, Royal School of Gunnery, assisted by Riding-Instructor Staff-Sergeant Maguire, Royal School of Gunnery.

Captain Raban, R. E., Royal Military College Staff has given courses in Military Engineering to both long and short course Officers of the Royal School of Gunnery.

Orders have been given and the ground selected for a Riding School, which is indispensable to the proper training of men and horses, at anytime, but more especially during a Canadian winter.

The usual musketry instruction and practice, battery competitions, mounted exercises and athletic sports were carried out.

Driver Bellmore and Gunner Cochrane were the successful competitors, for having their names inscribed on the cup presented by Lord Dufferin.

A fire engine has been provided and placed in the barracks. It supplies a want long felt.

I have to repeat my remarks of last year as to the pay of the men. It is a great object to secure good men, and as they are so few, and so much is required of them, they might be paid a little more liberally than the rank and file of large armies can possibly be.

Major Short was granted leave of absence to go to England as Adjutant of the Dominion Artillery Association Team sent to Shoeburyness this year.

I recommend that a Quartermaster should be appointed to this School (1) especially now that a half troop of Cavalry is to be attached. The constant changes of men and attached men, in addition to all the other work, make the duties very arduous.

I have much pleasure in stating that I have a very favorable report to make of all ranks of the Staff of the Royal School of Gunnery.

I have the honor to be, Sir,
Your obedient servant,

C. E. MONTIZAMBERT, Lieut. Colonel,
Commanding "B" Battery, R. C. A.

The Officer Commanding Regt. C. A. at Ottawa.

NOTE BY MAJOR-GENERAL COMMANDING.

(1) Recommended.

APPENDIX No. 6.

INSPECTION OF ENGINEER MILITIA.

KINGSTON, 31st October, 1883.

To the Adjutant-General of Militia.

SIR,—I have the honour to submit the following report of my inspection of the Companies of Engineer Militia.

MONTREAL ENGINEERS.

2. I inspected this company on 30th June, on St. Helen's Island. Major Kennedy was in command. There were present on parade 2 officers and 48 N. C. Officers and sappers out of a total strength of 3 Officers and 58 N. C. Officers and sappers borne on the rolls. One N. C. Officer and 1 sapper were absent with leave.

3. The work of the day was carried out according to a programme prepared by Major Kennedy. Marching past and Infantry drill were well done, particularly some volley firing. The turn out of the Company was good and their arms were clean.

4. Lieut. Thompson and a few men executed a little flag signalling; they had picked up a knowledge of the letters, and could signal words, but never having had any book of instructions they were not acquainted with the "method" of signalling. Their flags, also, were not suitable for the work. In the face of these difficulties it could not be expected that they could arrive at real efficiency.

5. The Company next went to barrel pier exercise; two barrel piers were constructed in good time, the lashings being carefully made; the piers were formed into a raft, which was moved about to represent formation into bridge. The whole of this work was well done.

6. I inspected the Engineering works executed by the Company during their training, consisting of a trestle bridge, two gun pits converted into a battery, a broad arrow kitchen and a filter for Camp use. The work of the trestle bridge was very rough, but on asking questions of the N.-C. Officers and sappers, I found that they had an intelligent knowledge of their work. The other works were well executed.

7. A portion of the Company were then extended at "tool drill," which was fairly done.

8. There were several recruits in the ranks who had received hardly any Engineer instruction, but as a rule I received satisfactory and intelligent answers to my questions about the work.

9. I further inspected the armory and drill room. Major Kennedy has made capital arrangements for facilitating instruction in Engineer work in-doors. I was much pleased to learn that some of the Company had put in as many as sixty drills during the past twelve months, which shows great interest in the work.

10. Considering the hard manual work to be done, there is naturally much wear and tear of clothing; an issue of clothing calculated to be sufficient for the ordinary drill purposes of an Infantry Corps, can hardly be expected to last through such rough work as the construction of barrel piers, gabions, &c., and still be fit for parade purposes. Engineer work is especially hard on boots which are not provided by Government.

11. The general state of the Company reflects much credit on Major Kennedy.

Charlottetown Engineers.

12. This Company went into Camp at Milton, Prince Edward Island, for their training, under the command of Major Dougherty. They were inspected on Sept. 28th. There were present on parade three Officers and twenty-three N.C.O's and sappers out of a total of three Officers and forty-four N.C.O's. and sappers borne on the rolls. One N.C.O. and three sappers were absent with leave; two Sappers were sick and fifteen sappers were absent without leave. I was informed that the reason so many men were absent was that it was very inconvenient for them to go into Camp at that time of year.

13. The marching past and Infantry drill were well done; the arms were clean and the general turn out good. Major Dougherty brought to my notice that he has a difficulty in arranging for the proper care of his arms in consequence of their being in the hands of a caretaker who is not under his orders; it appears that all the arms of the Corps whose headquarters are at Charlottetown are kept in charge of one man. This does not appear a satisfactory arrangement for the commanding Officers of the separate Corps, none of whom have absolute control over the caretaker.

14. I have much pleasure in being able to report that this Company has made a real beginning at Engineering work. One of the subalterns, Lieut. Macdougall, joined at the Royal School of Gunnery at Kingston last winter, and went very satisfactorily through a short course of Elementary Military Engineering at the Royal Military College. I am glad to bring his name to favourable notice for the zeal he has shown in instructing the Company.

15. The Company executed a German shooting trench in good time. I examined them in knotting and lashing spars with satisfactory results. During their training they had constructed a gun pit, some shooting trenches, a field kitchen and a trianglegyn, all of which were very neatly executed.

16. Arrangements are being made to fit up a room, in which instruction can be carried out during the winter and in the evenings. I believe that there is a real desire for improvement, and I hope to see a great advance next year. I impressed on the other subaltern, Lieut. Horne, the necessity for going through a course of instruction, and I also urged that some of the N.-C. Officers and sappers should go through a course. I have since learnt that three or four men wish to come to Kingston.

Brighton Engineers.

17. This Company was inspected on 3rd October, at Sussex Camp. I had arranged to inspect on this day before I fixed a day for the Charlottetown Engineers, and as it was impossible for me to return to Kingston between the inspections, I went straight from Charlottetown to Sussex, in order that I might spend the intervening time in assisting in the instruction of the Company. I remained at Sussex from 29th September, till 4th October, and had a good opportunity of seeing how the work was carried out. I have much pleasure in recording my high opinion of the Company, and of the Commanding Officer Major Vince.

18. The Company was of full strength (two Officers and 42 N.-C. Officers and sappers) with the exception of one Officer absent with leave. The men were of fine physique, very intelligent and handy, and I was able to execute some excellent work with them. I was specially pleased at the way in which the N.-C. Officers took charge of work.

19. The drill was not quite as good as that of the other Companies, but that is accounted for by their being a "rural" Company, and not being able to get together for drill except when in Camp, when they naturally devote most of their time to engineer work. They are able, however, to do all necessary Company drill. At Engineer work they are the best Company.

20. Since the last inspection, Lieut. Tompkins and three N.-C. Officers of the Corps have attended at Kingston for a short course of instruction in Elementary Military Engineering, which they went through with great credit, and they were of much

service in assisting in the instruction of their Company. I hope the other subaltern, Lieut. Connell, will be able to go through a course this winter.

21. In the Camp this Company quite took up the position of regular Royal Engineers. Whenever any skilled work connected with the Camp was required to be done Major Vince was always called on and was always able to meet the demand; his men had brought some of their private tools into Camp with them for this purpose, the comfort of their tents showed how useful their tools were.

22. During the Camp they received practical instruction in knotting, lashing spars and bridging, making gabions, hasty entrenchments and obstacles, besides receiving lectures on other subjects. Considering the time available the result was most satisfactory and reflects the greatest credit on Major Vince. The turn out on inspection parade was very clean and good.

23. I would invite attention to the arms and equipment furnished to this Company. They have long rifles, which are in very bad condition, and which have been ordered to be returned into store, with a view to being examined and repaired. The ammunition pouches and belts are of most antiquated pattern, and many are quite unserviceable. I would suggest that the opportunity be taken when the arms are taken into store, to replace them with the short rifle and more modern ammunition pouch. Major Vince is sparing no pains to make his Company efficient Engineers, and it would be a well-deserved encouragement to give him a proper equipment.

24. I beg to make the following suggestions, with a view to improving the efficiency of the Engineer force.

25. First, as regards training: twelve days having been fixed as the time necessary for the training of infantry corps, it must be allowed that it cannot be sufficient for the training of Engineers, who must be good soldiers before they can be good Engineers. The latest regulations for the Militia of Great Britain (issue of 1883) lay down (Part I., sec. III., page 273) that, whereas the ordinary period for training for Infantry and Artillery Militia shall be twenty-seven days, the ordinary period for Engineers shall be forty-one days. I would urge that the Engineer Companies be allowed to train for the longest period allowed by the Act, viz.: sixteen days. I would further urge that any Companies able to do so, be allowed to come to Kingston, for training on account of the facilities for obtaining instruction there. If this cannot be done, it would be an advantage to have the Brighton and Charlottetown Engineers trained at the same Camp; this would allow of strong working parties being formed, and, consequently, more work being done "full" instead of "model" size; modelling, though most useful as an "aid," cannot take the place of full sized work. It is necessary that both Officers and men should gain experience in the management of working parties and in the proper mode of executing "heavy" work. As these two Companies belong to the same Military District, it would probably not be difficult to arrange for their training in the same Camp.

26. I would next invite attention to the repeated recommendations of my predecessor, that some extra pay be granted to Engineers. The work demanded of them is not only of a much more arduous nature, but also demands very much greater intelligence than that demanded of other Corps. The principle of granting to Engineers high pay is well established, and its introduction here should create no jealousy, and, as the force is so small, the cost to the country would be inconsiderable, while the encouragement to the Engineers would be great.

27. There is a great need of a proper equipment for each Company. The Government can never wish that the rank and file of the Militia should be providing tools at their own charge for Government work, as was done by the Brighton Engineers. It is now universally accepted that the Infantry soldier must carry an entrenching tool on service. In the British regular service the Wallace spade, weighing 2½ pounds, has been adopted. The Engineer soldier is not intended to be employed in executing simple entrenchments, but rather in supervising their construction and in executing work requiring skilled labor. To mark the difference, I would propose that the Engineers carry a cutting tool of some kind, and for this country, an axe appears most suitable. To be really effective for general purposes, I think the axe,

with handle, should weigh at least $3\frac{1}{2}$ pounds to 4 pounds, which is a considerable increase over the weight of the Wallace spade; but it must be remembered that there is no need for the Engineer soldier to carry more than half the ammunition carried by an infantry man, and this would make up for the difference. N.C. Officers should carry augers instead of axes.

28. The Brighton Engineers, a Corps containing many skilled axemen, is well suited to use such tools, and I would strongly recommend that the Government sanction the purchase of three dozen axes and eight augers for this Company, as an experiment, the tools to be carried attached to the waist belt, just behind the frog of the bayonet.

29. All Companies are deficient of necessary Engineer equipment, and I propose in a separate communication, to ask that a small fixed scale of equipment be sanctioned.

30. There being only three Engineer Companies in the Dominion (a number by far too small) I would recommend that each Company be allowed to recruit up to 70 N.C. Officers and sappers. The Montreal Engineers are, it is true, unable at present to get suitable men to complete their establishment of two Companies; but the Charlottetown and Brighton Engineers are at full strength, and Major Vince informed me he could easily get more good men. If the extra pay recommended is granted, there would be no difficulty about getting men.

31. The issue of some working dress appears necessary. In the British Militia Engineers (and also in the regular service) canvas frocks and trowsers, to be worn over the ordinary uniform, are supplied (Militia Regulations, Part III., sec. 1, page 962). I have already noticed that Engineer work is specially hard on boots, which are not supplied by Government.

32. The question of the promotion of the Officers of the Engineer Companies demands consideration. It should not be slower than that of other branches of the Service. At present there is no opportunity for an Officer to hold higher substantive rank than that of Captain. I would recommend that the Companies should be commanded by Majors and should have, in addition, a Captain and two subalterns if over 50 strong, and a Captain and one subaltern (or two subalterns if the Officers are only of short service) if under. The responsibilities of an Officer commanding a Corps of Engineers are certainly as great as those of the Majors of a Battalion. On service, the Officers of Engineer Companies are intended to do much special work under the Commanding Engineer in addition to the work connected with their Companies, and there is therefore the more need for a large proportion of Officers. An Engineer Company should also have a large amount of stores to look after. I would suggest that no subaltern now serving be promoted to the rank of Captain who has not obtained, at least, a short course certificate of instruction in Elementary Military Engineering, and that in future subalterns be only appointed on probation until they have obtained the certificate.

33. I would further suggest that where Engineer Companies are in Camp of instruction with other branches of the service, the senior Engineer Officer be required to do the duties of Commanding Engineer, as regards controlling the Camp arrangements, for water supply, sanitation, communications, &c., thus practising in time of peace the duties he would have to perform on service; the actual work would, of course, be done by the several Corps, as heretofore.

34. The Engineer force is doing what it can to make itself efficient. It is numerically small; its work, though arduous, is not of a showy nature, and does not attract popular attention; there is, therefore, the more need for a special encouragement by Government, if it is to flourish. Though but a subordinate arm itself, all other arms are to some extent dependent on it. No army can be complete without it, and it cannot be improvised. Recent campaigns have shown its importance is increasing. With the British forces in Afghanistan, during the last campaign, there were two R. E. Officers to every thousand men in the field. In Egypt there were very nearly three R. E. Officers per thousand men, and no less than ten troops and Companies of Engineers to a force of about 25,000 men. The Engineer force of the

Canadian Militia is clearly too small; it is therefore all the more necessary that it should be maintained in the highest possible state of efficiency, so as to be able to act as a nucleus for a larger organization.

I have the honor to be, Sir,
Your obedient servant,

EDWARD RABAN, Major, R.E.,
Inspector of Engineer Militia.

REMARKS BY GENERAL OFFICER COMMANDING.

11. I am glad again to receive so good a report on the Montreal Engineers, which is most creditable to Major Kennedy and those under him. It is to be regretted that they are not up to the full strength of two companies. I have in former reports, recommended increase of pay and much regret that it has not been given.

12. Although it is satisfactory to hear that an improvement has taken place as regards the engineering knowledge of the Charlottetown Engineers the absence of fifteen without leave shows, I am afraid, either a lukewarmness in the Corps, or that the Camp time was very inconveniently chosen. A small increase of pay, might perhaps tend to remove this difficulty. It is very satisfactory that Lieut. MacDougall should have come to Kingston for instruction and I hope that this may have good fruit in the future, and instil a spirit of Engineering into this Company, which, it will be remembered, was formerly reported on as Infantry rather than Engineers.

17. I had the pleasure of seeing the Brighton Engineers at Sussex Camp, under Major Vince, and I fully appreciate the value of this Officer and his excellent corps, and confirm Major Raban's good opinion. On service this Corps would be invaluable, and I strongly urge that every inducement within the power of Government be held out to encourage and increase the Corps. Major Vince was described to me as the life of the Sussex Camp, to whom every one went, when in any temporary difficult.

24. And following, Major Raban's suggestions.

I quite concur in the desirability of letting the Engineers have the full extent of drill permitted by Act of Parliament, and that, wherever practicable, companies shall be brought into the same Camp for drill together.

I have already urged, more than once, that extra pay should be given to Engineers and to save the Government clothing, I think Government should issue the working suit recommended by Major Raban.

The state of equipment reported by Major Raban is most unsatisfactory and needs immediate attention.

Major Raban's recommendation as regards axes and augers being issued to and carried by Engineers, appears to me practical and good.

With his remarks on the importance of Engineers having increased of late years, I heartily concur, and I would certainly recommend that Engineer Companies be allowed to recruit up to 70 men.

With his suggestions in paragraphs 32 and 33, I also concur, it being very desirable that Engineers should rehearse in peace what would be their duties in war.

R. J. A. LUARD,
Major General.

3rd November, 1883.

APPENDIX No. 7.

CERTIFICATES, SCHOOLS OF GUNNERY.

NAMES of Officers, Non-Commissioned Officers and Men of the Active Militia who have obtained Certificates at the Royal Schools of Gunnery, during the Year 1883.

R.S.G.	Name and Rank.	Corps.	Date of Certificates.				Long or Short Course.	Certificate
			1st Class.	2nd Class.	3rd Class.	4th Class.		
A	Adams, 2nd Lieutenant E. D.	1st Halifax Brigade Garrison Artillery.	27th Jan.	21st Dec.	1st Mar.	1st Mar.	Short	Gunnery.
"	Anderson, Sergeant A.	Montreal Brigade Garrison Artillery.			3rd Apr.		Short	Artillery.
"	Bacon, Quartermaster-Sergeant Francis.	Winnipeg Field Battery.			26th May.		do	Gunnery.
"	Barker, Corporal H. O.	Governor-General's Body Guard.			1st Mar.		do	Infantry.
"	Bégin, Captain J. V.	do			1st Mar.		Long	Gunnery.
"	Benton, Battery Sergeant-Major J.	17th Battalion	27th Jan.	21st Dec.	1st Mar.		Short	Artillery.
"	Bland, jun., 2nd Lieutenant L. J.	do			7th May		do	do
"	Bliss, 2nd Lieutenant D. O. F.	Montreal Brigade Garrison Artillery.	30th Nov.				do	do
"	Bloomfield, Corporal W.	Ottawa Field Battery.	13th Apr.				do	do
"	Bogan, Trooper James.	Brighton Company Engineers.					do	do
"	Boyd, Gunner A.	3rd Provisional Regiment Cavalry.					do	do
"	Bradley, Sergeant W. H.	Montreal Brigade Garrison Artillery.					do	do
"	Caines, Sergeant James M.	2nd Regiment Cavalry.					do	do
"	Carstairs, Sergeant W. F.	4th Provisional Regiment Cavalry.					do	do
"	Cartier, Paymaster-Sergeant H.	41st Battalion					do	do
"	Côté, Lieutenant N. Omer.	do	7th May				do	do
"	Cowan, Sergeant James.	Governor-General's Foot Guards	30th Oct.				do	do
"	Crawford, Gunner and Driver Daniel	1st Prov. Brigade Field Artillery	26th Nov.				do	do
"	Critchley, 2nd Lieutenant Thomas O.	Kingston Field Battery					do	do
"	Cuttings, Sergeant Aubrey	do					do	do
"	Dobbin, Gunner and Driver J.	Richmond	18th Apr.				do	do
"	Dwyer, Sergeant E.	London Field Battery					do	do
"	Edwards, Gunner and Driver H.	London Field Battery					do	do
"	Fages, Captain J. A.	Governor-General's Foot Guards					do	do
"	Fairbanks, 2nd Lieutenant J. P.	London Field Battery					do	do
"	Fitzpatrick, Gunner J.	87th Battalion	30th Nov.				do	do
"	Fowler, Corporal A.	1st Halifax Brigade Garrison Artillery.					Long	Gunnery.
"	Gaffney, Bombardier J. P.	New Brunswick Bde. Gar. Artillery.					Short	do
"	Gregory, Sergeant A. C.	49th Battalion	15th Nov.				do	do
"	Griffin, Sergeant George A.	"B" Battery, R.C.A.	7th May				do	do
"		2nd Regiment Cavalry					do	do
"		13th Battalion					do	do

"	Hardinge, 2nd Lieutenant J. R.	15th do	29th Nov.				do	do	Gunnery.
"	Harrison, Gunner and Driver B.	Hamilton Field Battery					do	do	Cavalry.
"	Hazlett, Sergeant Thomas	3rd Provisional Regiment Cavalry					do	do	Artillery.
"	Henderson, Sergeant George	43rd Battalion	7th May				do	do	Cavalry.
"	Henry, Gunner T.	Montreal Brigade Garrison Artillery					do	do	do
"	Hetherington, Sergeant J. S.	3rd Provisional Regiment Cavalry					do	do	Gunnery.
"	Hetherington, Sergeant R. H.	do					do	do	do
"	Hudon, Major L. Denis	59th Battalion	30th Nov.				do	do	do
"	Jenkins, Corporal James	London Field Battery					do	do	do
"	Johnston, Sergeant-Major W.	New Brunswick Bde. Gar. Artillery					do	do	do
"	Jones, Sergeant Owen	Kingston Field Battery					do	do	do
"	Jones, Gunner S. D.	Montreal Brigade Garrison Artillery					do	do	do
"	Kane, 2nd Lieutenant W. L.	20th Battalion	21st Dec.				do	do	do
"	Kenney, Sergeant John	"A" Battery, R.C.A.	30th Oct.				do	do	do
"	Laidlaw, Bombardier A.	2nd Regiment Cavalry					do	do	do
"	Lampman, Trooper C. R.	Montreal Brigade Garrison Artillery	1st Mar.				do	do	do
"	Lane, 2nd Lieutenant C.	London Field Battery					do	do	do
"	Layton, Gunner and Driver G.	15th Battalion	12th Oct.				do	do	do
"	Lazier, Captain Thomas C.	do	11th July				do	do	do
"	Leadly, 2nd Lieutenant Alison.	35th do	22nd June				do	do	do
"	Lenieux, Captain Edouard	Chicoutimi Infantry Company					do	do	do
"	Leslie, Gunner and Driver James	Ottawa Field Battery					do	do	do
"	Lewin, Bombardier H.	Woodstock do					do	do	do
"	Lutz, 2nd Lieutenant Oscar	2nd Regiment Cavalry	7th Mar.				do	do	do
"	Macdonald, Gunner P.	Montreal Brigade Garrison Artillery					do	do	do
"	Macdougall, 1st Lieutenant E.	Charlottetown Engineer Company	3rd Apr				do	do	do
"	MacDugal, Captain James C.	14th Battalion	4th Oct.				do	do	do
"	MacGillivray, Lieutenant John	15th do	12th Nov.				do	do	do
"	Méthot, Sergeant A. L. A.	No. 2 Battalion Quebec Gar. Artillery	12th Nov.				do	do	do
"	Metzler, 2nd Lieutenant George F.	15th Battalion					do	do	do
"	Moore, Sergeant-Major George R.	Kingston Field Battery	12th Nov.				do	do	do
"	Morgan, 2nd Lieutenant David W.	No. 3 Battalion Quebec Gar. Artillery	12th Apr.				do	do	do
"	Muir, Sergeant R. O.	2nd Regiment Cavalry	19th Nov.				do	do	do
"	McGeary, Gunner and Driver H.	London Field Battery	14th Oct.				do	do	do
"	McGuinness, Gunner W. A.	Montreal Brigade Garrison Artillery	11th July				do	do	do
"	McKay, Lieutenant Joseph	41st Battalion	3rd Provisional Regiment Cavalry				do	do	do
"	McLachlan, Sergeant H.	31st Battalion	17th Nov.				do	do	do
"	McNeely, Sergeant James	37th do					do	do	do
"	Nelles, 2nd Lieutenant W. H.	"B" Battery, R.C.A.	16th Feb.				do	do	do
"	Paine, Gunner R.	17th Battalion	26th Nov.				do	do	do
"	Paquet, 2nd Lieutenant J. B.	44th do					do	do	do
"	Raymond, Captain L. C.	44th do	27th Jan.				do	do	do
"	Raymond, 2nd Lieutenant W. B.	87th do					do	do	do
"	Roy, Lieutenant H. Octave	do					do	do	do
"	Scott, Gunner A.	Montreal Brigade Garrison Artillery	1st Mar.				do	do	do
"	Shannon, 2nd Lieutenant John R.	14th Battalion	21st Dec.				do	do	do
"	Skimmings, 2nd Lieutenant R. H.	1st Halifax Brigade Garrison Artillery					do	do	do
"	Smart, Sergeant Wallace	Durham Field Battery	8th Nov.				do	do	do

CERTIFICATES, SCHOOLS OF GUNNERY—Continued.
NAMES of Officers, Non-Commissioned Officers and Men of the Active Militia who have obtained Certificates at the Royal Schools of Gunnery, during the Year 1883.

R.S.G.	Name and Rank.	Corps.	Date of Certificates.				Long or Short Course.	Certificate
			1st Class.	2nd Class.	3rd Class.	4th Class.		
A.	Spence, Gunner and Driver Henry	Hamilton Field Battery					16th Mar.	Gunnery.
B.	Stannard, Sergeant George C.	13th Battalion					7th May	Infantry.
B.	Stevens, Sergeant C.	Hamilton Field Battery					15th Nov.	Gunnery.
B.	Stewart, Gunner W.	New Brunswick Bde. Gar Artillery					6th Apr.	do
A.	Stewart, Captain John	Ottawa Field Battery	13th Apr.					do
B.	Story, 2nd Lieutenant J. D.	1st Halifax Brigade Garrison Artillery					21st Dec.	do
B.	Stull, Trooper W. P.	3rd Provisional Regiment Cavalry					15th May	Cavalry.
B.	Swanson, Staff Sergeant J.	Toronto Field Battery					19th Mar.	Gunnery.
B.	Taylor, Trooper John	3rd Provisional Regiment Cavalry					7th June	Infantry.
B.	*Thompson, 2nd Lieutenant Henry	Montreal Company Engineers					26th Nov.	Engineer.
B.	Tompkins, Corporal G. H.	Brighton					7th May	do
B.	Tompkins, 1st Lieutenant J. R.	do					26th May	do
B.	Trueman, Gunner and Driver T.	Hamilton Field Battery					16th Mar.	Gunnery.
B.	Waldie, Sergeant A. D.	Durham					9th Jan.	do
B.	Watts, Quartermaster-Sergeant W.	49th Battalion					30th Oct.	Infantry.
B.	Webb, Corporal Samuel	London Field Battery					16th Mar.	Gunnery.
B.	Weller, Lieutenant H. E.	3rd Provisional Regiment Cavalry					25th July	Cavalry.
B.	Wilson, H. J. M.	Governor-General's Body Guard					30th Mar.	do

* Attended course of instruction in Military Engineering at Royal Military College.

RECAPITULATION.

A.	B.	Certificates.	Date of Certificates.				Long or Short Course.
			1st Class.	2nd Class.	3rd Class.	4th Class.	
19	25	Gunnery	7	8	17	12	44
	4	Engineer	2	2			4
	16	Cavalry	2				16
3	22	Infantry	15	10	14		25
9		Artillery		1	6	2	9
31	67	Total	26	21	37	14	98

APPENDIX No. 8.

CERTIFICATES, MILITARY SCHOOLS.

NAMES of Officers, Non-Commissioned Officers and others, who have obtained Certificates at the Schools of Military Instruction during the Year 1883.

Name and Rank.	Corps.	Date of Second Class Certificates.	Province.
Adam, Antoine A.	8th Battalion	March 8	Quebec.
Argue, Sergeant Major Thomas H.	8th do	Feb. 8	do
Aylwin, Lieutenant Thomas C.	69th do	do 12	do
Bailey, Lieutenant William M.	70th do	March 3	New Brunswick.
Baril, Sergeant François X.	78th do	do 8	Quebec.
Barnhill, Sergeant Jacob L.	72nd do	May 8	Nova Scotia.
Beckwith, Sergeant Harry M.	87th do	March 3	New Brunswick.
Bédard, 2nd Lieutenant Ulderic	72nd do	do 8	Quebec.
Bertram, Corporal David	82nd do	do 3	New Brunswick.
Bishop, Sergeant Arthur H.	72nd do	do 3	do
Boggs, Private Beaumont	66th db	May 8	Nova Scotia.
Bouchette, Robert E.	67th Battalion	March 7	Quebec.
Bourne, Sergeant Aubrey	66th do	do 3	New Brunswick.
Bremner, 2nd Lieutenant James A.	7th do	May 8	Nova Scotia.
Butler, Lieutenant Francis H.	do	March 2	Ontario.
Cabana, Louis Victor	68th Battalion	do 8	Quebec.
Cassidy, 2nd Lieutenant Holmes	58th do	do 3	New Brunswick.
Clarke, Captain John	69th do	March 3	Quebec.
Cole, Major Caleb S.	63rd do	May 8	Nova Scotia.
Davison, 2nd Lieutenant Charles E.	63rd do	March 2	Ontario.
Dawson, Charles M.	63rd Battalion	May 8	Nova Scotia.
Dixon, Sergeant Louis	9th do	March 9	Quebec.
Drolet, Lieutenant Joseph G.	81st do	do 9	do
Dufresne, Sergeant Côme	do	Feb. 19	do
Duggan Francis M.	88th Battalion	March 8	do
Dumais, 2nd Lieutenant Auguste	8th do	do 5	do
Dunbar, 2nd Lieutenant James S.	68th do	do 3	New Brunswick.
Darling, Sergeant Edward J.	9th do	do 2	Quebec.
Fayes, Lieutenant Alfred	63rd do	do 2	Quebec.
Fairbanks, Private James P.	Cumberland Provisional Battalion	May 8	Nova Scotia.
Fillmore, Sergeant William A.	do	do 8	do
Fiset, Cyprien	63rd Battalion	March 9	Quebec.
Fletcher, 2nd Lieutenant Charles R.	68th do	May 8	Nova Scotia.
Foote, Sergeant Jeremiah	63rd do	March 3	New Brunswick.
Forbes, Private John R.	8th do	May 8	Nova Scotia.
Forrest, 2nd Lieutenant Sydney L.	do	March 7	Quebec.
Forrest, William Henry	do	do 6	do
Fournier, Lieutenant Wilbrod	61st Battalion	Feb. 8	do
Fowlie, Sergeant James	73rd do	March 3	New Brunswick.
Freeman, Sergeant Z. P.	68th do	do 3	do
Fry, Henry	30th Battalion	Feb. 20	Quebec.
Gillies, Sergeant Alexander	do	March 2	Ontario.

NAMES of Officers, Non-Commissioned Officers and others, who have obtained Certificates at the Schools of Military Instruction during the Year 1883.

Name and Rank.	Corps.	Date of Second Class Certificates.	Province.
Gillmor, Sergeant Percy H.....	St. George Infantry Com-pany.	March 3.....	New Brunswick.
Gilmour, Captain John D.....	8th Battalion	Feb. 26.....	Quebec
Goold, 2nd Lieutenant A. H. W.....	66th do	May 8.....	Nova Scotia.
Gray, Sergeant Warren.....	66th do	do 8.....	do
Gunning, Corporal Charles W.....	63rd do	do 8.....	do
Harrington, Sergeant Hubert C.....	Victoria Provisional Batta-lion	March 3.....	New Brunswick.
Hegler, Lieutenant James C.....	22nd Battalion	do 2.....	Ontario.
Hensley, Private Herbet A.....	66th do	May 8.....	Nova Scotia.
Hotson, 2nd Lieutenant John L.....	28th do	Feb. 28.....	Ontario.
Irvine, 2nd Lieutenant Charles E.....	28th do	March 2.....	do
Jamieson, Lieutenant William.....	30th do	do 2.....	do
Johnson, Lieutenant Robert.....	27th do	do 2.....	do
Jones, 2nd Lieutenant George E. A.....	8th do	Feb. 28.....	Quebec.
Jones, Colour-Sergeant Stephen A.....	38th do	March 2.....	Ontario.
Jones, Lieutenant Thomas H.....	38th do	Feb. 28.....	do
Jones, 2nd Lieutenant William D.....	38th do	do 28.....	do
Jordan, Sergeant Archibald.....	63th do	March 3.....	New Brunswick.
Kaine, Lieutenant Christopher C.....	33rd do	Feb. 24.....	Ontario.
Kelly, 2nd Lieutenant Charles A. E.....	68th do	March 3.....	New Brunswick.
Kuhring, James.....	70th Battalion	Feb. 20.....	Quebec.
Lacourcière, Sergeant-Major T.....	68th do	March 3.....	do
Loomer, 2nd Lieutenant George.....	68th do	do 3.....	New Brunswick.
Loomer, Sergeant Ralph R.....	68th do	do 3.....	do
Lordly, Sergeant Arthur.....	74th do	do 3.....	do
MacRae, Lieutenant Alexander.....	7th do	Feb. 28.....	Ontario.
Matthews, 2nd Lieutenant P.....	26th do	March 2.....	do
Maudrell, Sergeant Harry.....	35th do	do 2.....	do
Merlin, Private Rupert G.....	66th do	May 8.....	Nova Scotia.
Morrison, 2nd Lieutenant Neil B.....	22nd do	March 2.....	Ontario.
Morse, Sergeant Frederick M.....	72nd do	do 3.....	New Brunswick.
McDonald, Sergeant M. A. J.....	Victoria Provisional Batta-lion	do 3.....	do
McFie, 2nd Lieutenant D. J. A.....	60th Battalion	Feb. 19.....	Quebec.
McGee, Captain Abram J.....	St. George Infantry Com-pany.	March 3.....	New Brunswick.
McNeil, 2nd Lieutenant John P.....	Victoria Provisional Batta-lion	do 3.....	do
McRae, Sergeant John D.....	Victoria Provisional Batta-lion	do 3.....	do
Nicholl, 2nd Lieutenant Arthur A.....	69th Battalion	do 3.....	do
Northup, 2nd Lieutenant Joseph A.....	68th do	do 3.....	do
O'Farrell, George D.....	do	do 6.....	Quebec.
Paradis, Sergeant Jean.....	Dorchester Provisional Bat-talion	do 9.....	do
Pelletier, Oscar C.....	do	do 7.....	do
Pinault, Captain Louis F.....	9th Battalion	do 7.....	do
Poirier, Lieutenant Julien.....	64th do	do 8.....	do
Prower, J. Elton.....	do	do 9.....	do
Purdy, 2nd Lieutenant James G.....	69th Battalion	do 3.....	New Brunswick.
Quinn, Sergeant Daniel.....	22nd do	do 2.....	Ontario.
Rayden, Corporal William.....	Prince Edward Island Pro-visional Brigade G.A.	do 3.....	New Brunswick.
Reid, Lieutenant George McE.....	7th Battalion	do 2.....	Ontario.
Rockwell, Corporal Warren L.....	68th do	do 3.....	New Brunswick.
Rorke, 2nd Lieutenant Edward.....	31st do	do 2.....	Ontario.
Ross, Lieutenant William J.....	38th do	do 3.....	New Brunswick.

NAMES of Officers, Non-Commissioned Officers and others, who have obtained Certificates at the Schools of Military Instruction during the Year 1883.

Name and Rank.	Corps.	Date of Second Class Certificates.	Province.
Rouleau, Sergeant Alzidas.....	17th Battalion.....	March 9.....	Quebec.
Routier, Luc Jean Felix.....	do	Feb. 8.....	do
Rowe, Captain Philip J.....	45th Battalion.....	do 28.....	Ontario.
Savard, 2nd Lieutenant Joseph.....	87th do.....	March 8.....	Quebec.
Shaffner, Sergeant Ernest S.....	72nd do.....	do 3.....	New Brunswick.
Stevenson, Walter.....	do	Feb. 26.....	Quebec.
Trudel, Sergeant O. M. E.....	70th Battalion.....	March 8.....	do
Turgeon, Sergeant F. M.....	Dorchester Provisional Bat-talion.....	do 8.....	do
Valcourt, Lieutenant Aimé.....	84th Battalion.....	do 8.....	do
Van Felson, George.....	do	May 6.....	do
Vogel, Private Herman J. A.....	63rd Battalion.....	May 8.....	Nova Scotia.
Ward, Sergeant Everett J.....	68th do.....	March 3.....	New Brunswick.
Watson, Corporal Albert.....	35th do.....	do 2.....	Ontario.
Wheaton, Sergeant Alfred P.....	68th do.....	do 3.....	New Brunswick.
Whitman, 2nd Lieutenant Alfred.....	66th do.....	May 8.....	Nova Scotia.
Whitman, 2nd Lieutenant Henry B.....	69th do.....	March 3.....	New Brunswick.
Wiggins, Corporal Wilford H.....	67th do.....	do 3.....	do
Wilson, Sergeant Henry.....	22nd do.....	do 2.....	Ontario.
Wilson, 2nd Lieutenant John A.....	33rd do.....	Feb. 21.....	do
Wood, Sergeant Elder S.....	74th do.....	March 3.....	New Brunswick.
Woolrich, Lance Corporal Lotsford.....	63rd do.....	May 8.....	Nova Scotia.

Second Class Certificates..... 113

RECAPITULATION.

Ontario.....	23
Quebec.....	38
New Brunswick.....	35
Nova Scotia.....	17
Total.....	113

APPENDIX No. 9.

CERTIFICATES, BOARDS OF EXAMINERS.

NAMES of Officers of the Active Militia, and of Candidates for Commissions therein, who have obtained Certificates from Boards of Examiners, during the Year 1883.

Name and Rank.	Corps.	Date of First Class Certificates.	Date of Second Class Certificates.	Province.
		1883.	1883.	
Appelbe, Captain William Philip	20th Battalion	11th Sept. ....	.....	Ontario.
Ashworth, 2nd Lieutenant George J.	12th do .....	.....	11th Sept.	do
Barwell, Captain John	44th do .....	.....	11th do	do
Beaumont, Captain Ernest J.	29th do	1st March .....	.....	do
Black, Captain J. Albert	Cumberland Prov. Battalion .....	.....	.....	do
Bruce, Captain John	10th Battalion	13th June .....	.....	Nova Scotia.
Burland, 2nd Lieutenant Jeffrey Hale	6th do .....	.....	11th Sept.	Ontario.
Campbell, 2nd Lieutenant Fred. Charles	2nd do .....	.....	30th Jan.	Quebec.
Cheesbrough, 2nd Lieutenant Alfred H.	2nd do .....	.....	11th Sept.	Ontario.
Cole, Major Caleb S.	69th do	2nd March .....	.....	do
Dogherty, Captain Francis	82nd do	2nd June .....	.....	N. Brunsw'k
DuBord, 2nd Lieutenant A. A. A.	85th do .....	.....	18th May	P. E. Island.
Ellis, Captain Nathaa	29th do	1st March .....	.....	Quebec.
Gillespie, 2nd Lieutenant John C.	13th do .....	.....	11th Sept.	Ontario.
Glenny, Lieutenant George	38th do .....	.....	11th do	do
Gosling, 2nd Lieutenant Francis J.	10th do .....	.....	11th do	do
Graham, 2nd Lieutenant John	49th do .....	.....	5th Feb.	do
Groves, 2nd Lieutenant John T.	19th do .....	.....	11th Sept.	do
Gunther, 2nd Lieutenant Ernest F.	2nd do .....	.....	11th do	do
Hopkins, Sergeant William	49th do .....	.....	5th Feb.	do
Hotson, 2nd Lieutenant John L.	28th do .....	.....	1st March	do
Irving, 2nd Lieutenant Andrew M.	2nd do .....	.....	11th Sept.	do
Irwin, Captain John	26th do	1st March .....	.....	do
Jones, Lieutenant Thomas H.	38th do	1st do .....	.....	do
Jones, 2nd Lieutenant William D.	38th do	1st do .....	.....	do
Lee, 2nd Lieutenant Arthur B.	2nd do .....	.....	11th Sept.	do
Macdonald, Lieutenant William C.	2nd do	11th Sept. ....	.....	do
MacRae, Lieutenant Alexander	7th do	1st March .....	.....	do
Martin, 2nd Lieutenant George B.	11th do .....	.....	3rd Aug.	Quebec.
Mewburn, 2nd Lieutenant Sydney C.	13th do .....	.....	11th Sept.	Ontario.
Miller, 2nd Lieutenant Charles	8th do .....	.....	19th April	Quebec.
McDonald, Captain John	31st do .....	.....	11th Sept.	Ontario.
McEwen, Lieutenant Robert	26th do	1st March .....	.....	do
McGee, Lieutenant James C.	2nd do	11th Sept. ....	.....	do
McMichael, Captain George H.	38th do .....	.....	11th Sept.	do
McMichael, Captain Solon W.	38th do .....	.....	11th do	do
Newton, 2nd Lieutenant Charles C.	6th do .....	.....	30th Jan.	Quebec.
Orr, Captain James Alexander	49th do .....	.....	5th Feb.	Ontario.
Orr, Lieutenant John Rowland	49th do .....	.....	5th do	do
Peters, Lieutenant Samuel F.	7th do	1st March .....	.....	do
Petman, Lieutenant Herbert F.	38th do .....	.....	11th Sept.	do
Ponton, Captain Edward G.	49th do	5th Feb. ....	.....	do
Rolls, 2nd Lieutenant Joseph W.	20th do .....	.....	11th Sept.	do
Rochwell, Captain Barrows H.	38th do .....	.....	11th do	do
Scott, 2nd Lieutenant Alexander Y.	2nd do .....	.....	11th do	do
Shepard, Corporal Egbert B.	52nd do .....	.....	19th Mar., '80	Quebec.

LIST of Candidates for Commissions, &c.—Concluded.

Name and Rank.	Corps.	Date of First Class Certificates.	Date of Second Class Certificates.	Province.
		1883.	1883.	
Symons, 2nd Lieutenant Charles H.	10th Battalion .....	.....	11th Sept.	Ontario.
Tucker, Major Joseph John	62nd do	13th June .....	.....	N. Brunsw'k
Walmsley, Captain James E.	15th do .....	.....	5th Feb.	Ontario.
Walsh, 2nd Lieutenant Edmond H.	2nd do .....	.....	11th Sept.	do
Willey, Corporal Caspar M.	52nd do .....	.....	19th Mar., '80	Quebec.
Total .....	.....	19	32	.....

RECAPITULATION.

Provinces.	First Class.		Second Class.		Total.
	1883.	1883.	1883.	1883.	
Ontario	13	27	7	40	7
Quebec	2	.....	.....	.....	2
New Brunswick	1	.....	.....	.....	1
Nova Scotia	1	.....	.....	.....	1
Prince Edward Island .....	.....	.....	.....	.....	.....
Total	19	32	.....	.....	51

APPENDIX No. 10.

ROYAL MILITARY COLLEGE OF CANADA.

ANNUAL REPORT.

From Commandant Royal Military College of Canada to General Officer Commanding
Militia of Canada, President Royal Military College of Canada.

KINGSTON, 3rd December, 1883.

Period of Report.

SIR,—

1. I have the honor to submit the following report on the Term, 8th September, 1882, to 26th June, 1883, and on the condition of the College since my last report, viz.: 12th December, 1882.

Cessation of Double Classes of Graduates.

2. The present outgoing class of graduates is the last which will contain members of classes originally separate, and which joined the College at different dates, but which have been gradually amalgamated during their College course.

This amalgamation was necessary in order to meet what was found to be essential for the working of the College, viz.: annual, instead of semi-annual Graduation.

This necessity has unavoidably had the effect of temporarily lessening the number of cadets, as it involved the passing out of two classes from, while only one class joined the College annually, for each of the last three years.

In future only one class will graduate annually, and this cause of reduction of numbers will cease.

Graduates, 1883.

3. Of the Graduates of June, 1883, some joined in September, 1879, and others in February, 1880. Their names and the full particulars regarding the qualifications of each are given in Appendix A. I am gratified in being able to report that, with few exceptions, these gentlemen are men of ability and industry; some markedly so. A considerable number possess both qualities, while in others in which the former gift is less apparent, it is greatly compensated for by the invaluable quality of industry and power of application. The struggle for the lead between Messrs. Stewart, Leonard, Lang and Weller has been very close throughout their College course of four years, and I shall be greatly surprised if each one does not distinguish himself in whatever career he may select.

High education; Competition; Record of result; the best System.

4. It is too often represented that sustained intellectual effort and competition are incompatible with sound physical powers and military qualities; and this taking and rather plausible theory is advanced as a reason for reducing the standard of education and eliminating the only equitable proof of capacity, viz.: a reasonably prolonged, varied, and just competition.

I strongly disapprove of a high competition in early youth; of competition limited to a single subject; or in which the moral and physical qualities are practically ignored; and, also, where it can be avoided, of a competition dependent on the result of a few day's work. Observation teaches me that the theory of a "high education, and as a consequence, an exhausted mind or weakened body," is as baseless as its logical converse of an "inferior education" necessarily being allied to a vigorous mind or robust body; and that the theory springs from the interested and self-preservative instincts of the idle, or intellectually wanting.

It is my firm opinion that when the mental or physical powers break down as a result of educational pressure, it is due either to a faulty system of instruction and co-training, to original lack of physical stamina such as would have involved failure very shortly under any circumstances, or to the strain having been incurred at too early an age. All these difficulties can be avoided, and the last is as unnecessary as it is most certainly injurious.

Objections are also not infrequently heard to recording the individual results of competition.

Emulation is a natural, praiseworthy, and pleasurable, sense in all healthy natures, and the possibility of obtaining recognition of success attained is but a wholesome stimulant to it; and therefore objections to its personal application cannot but be due to the dislike of small minds, or of those of inferior moral fibre, to see their fellows accorded a fair opportunity of demonstrating their higher capacity or more earnest efforts, and to their receiving the acknowledgment due to their superior qualities.

Where such radically unsound views as are here combatted are allowed to prevail, it tends inevitably towards a general dead level of very low standard.

As a soldier, I am not likely to undervalue physique, or to fail to estimate full vigour of moral and mental energy at a high rate. My experience in Canada, as elsewhere, is that *properly regulated* competition results in the best men "all round" (i.e., those above the average alike morally, intellectually, physically, or in other words, in rectitude and earnestness of purpose, in courage, ability, industry and bodily power), coming to the front; and that every country peopled by our race is quite large enough to supply sufficient men of this stamp for any purpose required, provided that it takes *honest and common sense steps to discover and to encourage them*. It is men proved by such tests as are here advocated that a country needs, and upon whom she will have to rely when her time of trial arrives.

Graduates Accepted Commissions in Her Majesty's Regular Army.

5. The four commissions in Her Majesty's Regular Army, offered annually to the Cadets of the Royal Military College, have been accepted as follows:

Royal Engineers—Battalion Sergeant-Major J. J. Lang.
Royal Artillery—Sergeant P. G. Gray.
Infantry—Color Sergeant-Major B. W. Van Straubenzee.
Cavalry—Corporal W. B. Carruthers.

It is safe to predict that these gentlemen will not only sustain, but add, to the very satisfactory reputation which Cadets of the Royal Military College of Canada have already obtained in the several branches of the service in which they have had the honour of receiving commissions.

Graduates entitled to, but not desiring Commissions in Her Majesty's Regular Army.

6. The undernamed graduates might have obtained Commissions in Her Majesty's Regular Army, in the Corps specified against their names, had they so desired:

Mr. Stewart—In Royal Engineers, Royal Artillery, Cavalry or Infantry.
Messrs. Leonard, Weller, Casgrain and Kerby—In Royal Artillery, Cavalry or Infantry.

Messrs. Almon, White, Lamb, Nanton and Campbell—In Cavalry or Infantry.

Medals for General Proficiency.

7. The undernamed Graduates were the recipients for 1833, of the gold, silver and bronze medals annually presented by His Excellency the Governor General to the Cadets respectively, 1st, 2nd and 3rd in general proficiency, throughout their full course of four years:—

1st. Gold Medal—Company Sergeant-Major N. J. Stewart.

2nd. Silver Medal—Battalion Sergeant-Major J. I. Lang.

3rd. Bronze Medal—Sergeant R. W. Leonard.

The difference in number of marks between the Cadets respectively, 2nd and 3rd on the list, viz.: 234 marks in a total of 53,505 marks, (decided as these have been from month to month during four years) being so small, and the industry and ability of Mr. Leonard having been so marked, His Excellency was pleased, on my recommendation, to present an extra silver, instead of a bronze, medal to Mr. Leonard, in recognition of his great merit. This special action in no way detracts from the position or credit of Mr. Lang who, as second best Cadet, was the actual recipient of the silver medal for the year.

Sword for Conduct and Discipline.

8. The sword awarded annually for good conduct and distinguished disciplinary powers has been most deservedly won by

Battalion Sergeant-Major John Irvine Lang.

This gentleman has performed the very responsible and difficult duties of Senior Cadet N.C. Officer in a most praiseworthy manner, and with very great advantage to the College and to those under his authority.

Mr. Lang is one who can be depended upon to perform any duty requiring ability, industry, and reliability.

Prizes.

9. The undernamed Cadets have obtained prizes.

Subject Prizes (determined on the full, i. e. four years, period of instruction):—

Conduct and Discipline—Battalion Sergeant-Major Lang.

Drills and Military Exercises—Battalion Sergeant-Major Lang.

Mathematics and Mechanics—Company Sergeant-Major Stewart.

Fortification and Military Engineering—Sergeant Leonard.

Descriptive Geometry and Geometrical Drawing—Sergeant Leonard.

Artillery (Theory and Construction of)—Company Sergeant-Major Weller.

Surveying, Practical Astronomy, Military Topography and Reconnaissance—Sergeant Leonard.

Military History, Strategy, Tactics, Military Administration and Law—Lance Corporal Campbell.

French—Sergeant Casgrain.

Physics—Company Sergeant-Major Weller.

Chemistry—Sergeant Leonard.

Geology—Sergeant Kerby.

Freehand Drawing—Sergeant Lambe.

Civil Engineering—Company Sergeant-Major Weller.

Class Prizes (Determined on work and examination of the Term, i. e. ten months):—

1st Class—Company Sergeant-Major Stewart.

2nd Class—Lance-Corporal Carey.

3rd Class—Cadet Ridout.

4th Class—Cadet Sloggett.

10. The undernamed Cadets became entitled to Honorary Badges of distinction as follows:—

For having been first in the combined theoretical subjects of their respective classes, or in three or more separate subjects of instruction.

Class.	Subjects.	Badges.	Names.
1st.....	First in Class	1 Star.....	Co. Sergt.-Major W. G. Stewart.
	First in Class	1 Star.....	Lance-Corpl. H. C. Carey.
2nd.....	Military Topography.....	3 Stars	Lance-Corpl. H. C. Carey.
	Fortification and Military Engineering.....		
	Military History, &c.....		
	Mathematics and Mechanics.....		
	Chemistry		
3rd.....	Physics.....	1 Star.....	Cadet D. H. Ridout.
	Artillery.....		
	First in Class.....		
	Military Topography.....		
	Military History, &c.....		
4th.....	Fortification and Military Engineering.....	2 Stars	Cadet D. H. Ridout.
	French.....		
	Artillery.....		
4th.....	Freehand Drawing.....	1 Star.....	Cadet H. Sloggett.
	First in Class.....		

For having been the best, or one of the five Cadets most proficient in the several Military exercises herein specified:—

Subjects.	Badges.	Names.
Equitation	Spur and Crown.....	Corp'l H. B. Strange (best).
	Spur.....	Sergt. H. C. Nanton.
	"	Sergt. P. E. Gray.
	"	Battn. Sergt.-Major J. I. Lang.
Small Arm competition (Sword, Bayonet, Foil.)	"	Sergt. R. W. Leonard.
	Crossed Swords & Crown.....	Cadet A. P. Bremner (best).
	"	Battn. Sergt.-Major J. I. Lang.
	"	Co. Sergt.-Major J. L. Weller.
	"	Sergt. W. A. Von Iffland.
Rifle Practice	"	Corpl. W. B. Carruthers.
	Crossed Rifles and Crown.....	Cadet F. Drayner (best).
	Crossed Rifles.....	Battn. Sergt.-Major J. I. Lang.
	"	Co. Sergt.-Major J. L. Weller.
	"	Sergt. R. W. Leonard.
Artillery Practice.....	"	Sergt. L. M. Lambe.
	"	Lance Corpl. I. W. Chalmers.
	"	Cadet C. R. Hodgins.
	Crossed Guns and Crown.....	Lance Corpl. J. H. Baker (best).
	"	Sergt. W. A. Von Iffland.
Artillery Practice.....	"	Lance Corpl. D. C. Campbell.
	"	Sergt. W. A. Von Iffland.
	"	Lance Corpl. H. C. Carey.

General result of Examination.

11. The general result of the examination, 1883, has been decidedly very satisfactory, in fact, more so than in any previous year.

The work of the undernamed Cadets is especially noticeable:

1st Class—Messrs. Stewart, Lang, Leonard, Weller, Van Straubenzee and Gray.

2nd Class—Messrs. Carey, Von Iffland, Hearn and Crawford.

3rd Class—Messrs. Moren, Ridout, Skinner and Von Hugel.

4th Class—Messrs. Sloggett, Perry, Cartwright, Kennedy, Newcomb and Smith.

The unusually backward and wet season of 1883 has greatly interfered with and seriously retarded all out-door work and exercises.

Examiners' Reports.

The several examiners reported as follows:—

Military History.

Progress of all classes satisfactory.

1st Class—Mr. Campbell has displayed marked proficiency.

2nd Class—Shows very good improvement during the past year, Messrs. Carey, Smith and Hearn having distinguished themselves.

3rd Class—Has done well as a whole. Messrs. Ridout and Moren especially so.

Surveying, Military Topography and Reconnaissance.

Progress of all the classes has been very satisfactory.

1st. Class—Messrs Almon, Casgrain, Chalmers, Kerby, Lambe, Lang, Nanton, Stewart, Strange, Weller, and White, have passed particular good examinations in the Dominion Manual of Survey.

Messrs. Carruthers, Casgrain, Lambe, Leonard, Nanton and Weller are the best topographical draughtsmen—Mr. Lambe, in particular, is very good. Messrs. Stewart, Lang, Leonard and Weller obtained a high percentage of marks in geodesy and practical astronomy, Mr. Stewart being decidedly best.

Mr. Leonard is the first Cadet since the opening of the College who has obtained "honours" in the complete course (obligatory and voluntary) of surveying.

2nd Class—Shows marked improvement during past year; Messrs. Carey, Von Iffland, Hearn, Van Buskirk and Crawford have passed good examinations and are good draughtsmen.

3rd Class—Has done well.

Chemistry, Physics, and Geology.

The assistance rendered by Lieut. J. Cochrane, of the Royal Military College, has been invaluable.

With the amount of work which instruction in three departments of science (two of which are experimental) involves, I feel the aid of a competent assistant absolutely indispensable, and Mr. Cochrane has filled the position, so far as his other numerous duties at the College have admitted, with the highest satisfaction.

1st Class—More work has been done in this than any previous year.

The number of this class taking up voluntary science subjects has also been greater than heretofore, and these Cadets have presented very satisfactory papers; 11 took up voluntary chemistry, 6, voluntary physics, and 13, voluntary geology.

This class has more than maintained the high expectations formed, being distinguished for careful and assiduous study. It is above the average in ability and application.

Messrs. Weller, Leonard, Stewart, Lang, Gray, Van Straubenzee, Kerby, and Casgrain are especially prominent.

Mr. Campbell would undoubtedly have been higher had he not had, at the same time as this Royal Military College obligatory examination, to undergo examination for the Civil Service.

2nd Class—Notes have been carefully taken by this class, but examination is not up to the average. Messrs. Carey and Von Iffland have, however, done very well.

Mathematics and Mechanics.

1st Class—A greater number of Cadets have taken up mathematics, as a voluntary subject, than in previous years, and with extremely satisfactory results. Messrs. Stewart, Weller and Lang did remarkably good work, Mr. Stewart obtaining 96 obligatory, 86 voluntary,—very high decimals.

2nd Class—This class was very unfavourably reported on last term. It shows very marked improvement this term, each member having very materially increased his percentage of marks, although on a higher course. Messrs. Von Iffland and Carey have worked well and obtained high marks, and have given some extremely good papers.

Messrs. Hearn, Crawford and Sanders have worked well and are much improved.

3rd Class—Competition between Messrs. Von Hugel, Skinner, Moren and Ridout very brisk, and these Cadets all present very good points.

4th Class—Presents remarkably even quality of standard. Mr. Cartwright deserves very great credit for coming to head of list; with greater steadiness Mr. Perry should have beaten him.

Messrs. Girouard, Macdonell and Maxwell, who laboured under great disadvantages on joining the College, have, by diligence and attention, pulled up well.

Artillery.

2nd Class—Marks obtained very good; Messrs. Carey and Von Iffland excelling.

3rd Class—Messrs. Ridout, Skinner and Moren have obtained very high marks.

French.

1st Class—Not very satisfactory; Messrs. Casgrain, Carruthers, Lang and Almon especially distinguished themselves.

2nd Class—Fairly well; Messrs. Hearn, Von Iffland and Crawford deserve favourable notice.

3rd Class—Extremely good, especially Messrs. Ridout and Moren.

4th Class—Hardly as well as expected. In this class there appears to be a tendency to prevent those who are conspicuous for their aptitude and willing work.

Civil Engineering.

1st Class—This class has been noteworthy for its steadiness in working. With two or three exceptions the material of this class justifies my again representing that they are likely to form very efficient and useful Engineers. I specially commend Messrs. Stewart, Lang, Leonard and Lambe for vigour, accuracy and capacity.

English.

The progress made is thoroughly satisfactory, and considering the time available, a large amount of work has been done. Notes, full and extensive, essays in various subjects have been written by each Cadet, and perceptible improvement shown in style of composition.

The study of English fills up a very decided want in the curriculum of the College studies, and there is a very praiseworthy disposition on the part of the Cadets to avail themselves of the opportunity afforded them.

1st Class—Although English is a voluntary study for this class, a number of Cadets have taken it up, and have passed a very satisfactory examination.

3rd Class—This class, with one or two exceptions, deserves special commendation, so much so, that it is almost invidious to single out any one Cadet, but Cadet Ridout, though not first, has shown the most observable progress.

4th Class—This class having most time for the study of English, has done most work, but hardly shows equal interest in the subject.

German.

1st Class—The few Cadets studying German have been diligent and show a desire to avail themselves of the opportunity of studying this interesting, but to many, difficult language.

Freehand Drawing.

1st Class—This class has not done so well as previous first classes. Mr. Lambe has, however, done extremely well, and is the best draughtsman who has yet graduated. Messrs. Lang, Weller, Leonard, Van Straubenzee, Gray, Kerby and Casgrain have also progressed very satisfactorily.

2nd Class—Moderate progress. Messrs. VonIffland, VanBuskirk and Hearn very satisfactory.

3rd and 4th Classes—Both extremely good, several members exhibiting marked talent, especially Messrs. Ridout, Tilley and Hodgins in 3rd Class, and Messrs. Sloggett and Perry in 4th Class.

Fortification and Military Engineering.

1st Class—Has done very well, the number obtaining "Honors" and "Special Mention" exceeding any previous year. I wish to mention Serjeant Leonard for conspicuous merit, he having obtained full marks.

2nd Class—Has considerably improved since last year; Messrs. Carey and Von Iffland especially well.

3rd Class—Obligatory work fairly well; Messrs. Ridout, Skinner, Moren and Von Hugel very well. This class not having taken up Voluntary Fortification, will have little or no chance of obtaining "Honors" or "Special Mention" at end of course.

4th Class—Well, on the whole; Messrs. Coutlee, Kennedy, Cartwright, Sloggett and Newman particularly so.

Descriptive Geometry.

1st Class—Mr. Leonard obtains prizes on very distinguished answering. An exceptionally large number have qualified for "Honors" and "Special Mention" in this most difficult subject, viz: Messrs. Stewart, Lang, Weller, Almon, Casgrain, Gray and Kerby.

2nd Class—Messrs. Carey and Von Iffland alone have taken up voluntary sections of this work.

3rd Class—Moderately well. Messrs. Skinner, Moren, Ridout and Von Hugel deserve special mention.

Geometrical Drawing.

4th Class—Has worked hard and done well, especially Messrs. Kennedy, Sloggett, Smith, Newcomb and Yorston.

Services of Sergeant-Major Birtles.

The Professor of Fortification and Military Engineering brings to special notice the exceptional merit of, and excellent work done by, Staff Sergeant-Major Birtles, late Royal Engineers, N. C. Officer Instructor in Military Engineering. The services of this N. C. Officer will therefore form subject of special report.

Instruction in Riding by Royal School of Gunnery.

13. Instruction in Equitation has been given to the Graduating Cadets by the Royal School of Gunnery. It is almost unnecessary to say that it has been afforded in a most efficient manner.

The Commandant of the Royal School of Gunnery reports the graduates of 1883 as forming a very satisfactory riding class, and to be better horsemen than their predecessors of former years. In this I most fully concur.

General conduct of Cadets.

14. The general conduct and discipline of the Cadets during this term has been, generally speaking, thoroughly satisfactory; and it is most gratifying to be able to report a steady improvement, in all respects, whether in general tone in barracks, in practical military efficiency, or in application to study.

Graduates of previous years.

15. I am in a position to know, and it is most pleasing to state, that the Graduates of the Royal Military College, who have entered Her Majesty's Regular Army, have continued to maintain a high character in their respective Corps, and to do credit to their *Alma Mater*.

It is also gratifying to note, that with the exception of a few members of the class which first graduated from the Royal Military College, and who sought and obtained employment in the United States (and who, by the way, are doing excellent work in that country), at most only one or two graduates have since sought civil employment out of Canada, the remainder having obtained it within her own boundaries.

Class of Officers of Militia.

16. Since last report, fifteen Short, and five Long, Course Officers (three from Quebec and two from the Maritime Provinces) and three N. C. Officers from the Maritime Provinces, have attended the Royal Military College for instruction in Military Engineering. These Officers have shown most creditable interest and industry in the work, and consequently have passed very satisfactory examinations in both theoretical and practical work. Several Officers and N. C. Officers have expressed their intention to avail themselves of a course (some for second time) next year.

The Commandants of the Royal Schools of Gunnery have, in a very thorough manner, afforded every encouragement and facility to the Officers going through both Long and Short courses to take advantage of the instruction at the Royal Military College.

Changes in College Staff.

17. The College has, during the current year, lost two highly valuable members of its staff.

The Rev. G. Ferguson, M.A., has felt compelled to resign his appointment as Professor of English and German at the Royal Military College as, in consequence of increased duties having devolved upon him in his capacity as Professor at Queen's College and University, he found it impossible to devote the time he desired to give to his work at the Royal Military College. Professor Ferguson was the first Professor appointed to the Royal Military College, and his educational experience and knowledge has been of great value to it. The severance of the connection of Professor Ferguson with the College is a source of regret alike to himself and to every member of the staff.

By the resignation of Major Walker, R.E., Professor of Military Engineering, the College has been deprived of an able Professor, a conscientious and zealous public servant, and a high minded soldier; and the Staff of a valued comrade.

Major Sydenham C. McGill, Adjutant 4th Regiment of Cavalry, Militia of Canada, and late Captain Her Majesty's 22nd Regiment, has been appointed Staff Adjutant of the College.

For the proper protection and efficient carrying out of the public service, it was essential that this office should be filled, and I anticipate great advantage to accrue to the College from the previous experience and established character of this Officer.

Removal of Ice bridge, Quebec.

18. In the spring, Captain Raban, R.E., Instructor of Military Engineering, Royal Military College, proceeded to Quebec, for the purpose of removing the ice bridge which, at the time, prevented navigation of the St. Lawrence above the city. This obstruction to commerce was successfully removed by explosives. This service formed the subject of a communication by me dated 26th May, 1883, forwarding a detailed report by Captain Raban.

By adopting a preconsidered and regular system of operation, it is clearly feasible that the water communication between Quebec and Montreal might be advanced from ten to fourteen days.

Progress of Works authorized.

19. Of the works mentioned as indispensable in my last report, the following have been carried out:—

- (a) Introduction of gas.
- (b) Concentration of science departments in the upper floor of the north building.
- (c) Extension of Engineer and Artillery sheds.
- (d) Extension of water supply to portion of quarters in outer enclosure.

The advantages anticipated to accrue from the construction of these works are already felt.

I understand that money has been appropriated in financial year 1883-84 for, but works have not yet commenced on, the undernamed services:—

- (a) Improved drainage.
- (b) Ventilation.
- (c) Quarters—Staff, N. C. Officer, Instructor.

These works are much needed.

Works required.

20. Considerable economy and increased powers of work might be obtained by the carrying out of the following works during the ensuing year.

- (a) Provision of quarters for Staff within the College grounds.

- (b) The existing surplus steam heating power of the north building to be utilized for heating east building; the separate and unsystematic warming arrangements of the latter being costly, inconvenient, and inadequate for the purpose.
- (c) Extension of water supply to remainder of quarters in outer enclosure.

Increased Facilities Received for Instruction in Science.

21. Apparatus and appliances of very considerable importance and value have been provided during the year to enable the study of the sciences of Physics, Chemistry and Geology to be prosecuted with increased advantage. These important departments of modern education are now thoroughly well equipped, and are fully equal in this respect to any University in Canada.

Increased facilities received for Practical Artillery.

A complete Battery of 6-pounder breach loading field guns of special light construction, such as are suitable for manœuvring with drag-ropes by man power, has been received. This branch of practical work is now, therefore, on a satisfactory footing.

Matriculants.

22. The successful matriculants for the year 1883 are given below:—

Name.	Province.	Age on Joining.	Where Educated.
Adams, A.....	Ontario	16 $\frac{1}{2}$	Kingston Academy, Kingston.
*Allan, C. S.....	do	15 $\frac{1}{2}$	Trinity College School, Port Hope.
Bowie, G. S.....	do	15 $\frac{1}{2}$	Collegiate Institute, Ottawa.
Clapp, J. M.....	do	16 $\frac{1}{2}$	High School, Picton, Ont.
Cowie, C. S.....	Nova Scotia	16 $\frac{1}{2}$	Fort Massey School, Halifax.
Davis, A. L. P.....	Ontario	16 $\frac{1}{2}$	Caledonia High School, Hamilton.
Gaudet, F. M.....	do	16 $\frac{1}{2}$	University of Ottawa.
Hewett, E. V. O.....	do	16 $\frac{1}{2}$	Trinity College School, Port Hope.
Jack, R. B.....	New Brunswick	16	Grammar School, Fredericton.
Laurie, G. B.....	Nova Scotia	15 $\frac{1}{2}$	The Academy, Picton, N.S.
Leader, H. P.....	Ontario	18 $\frac{1}{2}$	Trinity College School, Port Hope.
Luard, G.....	do	16	Clifton College, Bristol, England.
Luard, G.....	do	17 $\frac{1}{2}$	Sherborne School, Dorset do
Macdonald, R. J.....	British Columbia	16 $\frac{1}{2}$	Collegiate School, Victoria, B.C.
Morrow, H. A.....	Ontario	17 $\frac{1}{2}$	Trinity College School, Port Hope.
Van Straubensee, C. C.....	do	15 $\frac{1}{2}$	do do

* This gentleman, a young man of unquestionably exceptional promise in every respect, unhappily lost his life by drowning before joining the College, to the great regret of many Cadets of Royal Military College, his former school companions.

Improvements effected in Organization.

23. The revised general regulations, dated September, 1883, provided for the payment of the annual deposit required for Cadets in equal moieties instead of in one sum, as heretifore.

The system of qualification for class promotion and for graduation has been modified and simplified.

The designation of the official document attesting to Graduation has been altered from "2nd, and 1st Class, Certificates of Graduation," to "Diplomas of Graduation," or "Diploma of Graduation with Honors," as the case may be.

The word "Diploma" better expresses the course of study at Royal Military College, and distinguishes it from the *drill* Certificates issued to all ranks by the Royal Schools of Artillery and Infantry. The syllabus of the course of instruction has been put in definite and improved form.

All these changes being the result of experience, cannot fail to be beneficial to the College and Cadets.

Points suggested for consideration.

24. I would suggest the following points for consideration:—

A. The advisability of making Latin (which is not now taught) a voluntary subject, alternative with either French or English. French to be obligatory to English speaking Cadets, and English to French.

B. A more defined status to Royal Military College as regards qualification for the profession of Civil Engineering and Land Surveying, Civil Service, North-West Mounted Police, and the permanently embodied Military Forces of Canada.

Considering the small number of students to which the Royal Military College is restricted by Act of Parliament, it is not thought that the Sister Civil Educational Institutions of the several Provinces of Canada could be really affected by such a course, or that they would be opposed to some little return being afforded to the graduates of the Royal Military College (as representatives of the *National* Institution of the Dominion of Canada), who are required to devote so considerable a time (four years) to acquiring scientific military knowledge and discipline.

Representation of every Province on College Roll.

25. There are now on the College Roll one or more Cadets from every Province in the Dominion, from British Columbia to Prince Edward Island.

26. The large proportion of failures at the examination for admission to Royal Military College among the Candidates for Cadetships, is still very noticeable. This fact, I know, deters many who desire to enter the Royal Military College from attempting its matriculating examination, and to whatever cause so many failures may be traced, it is to be regretted.

Provided that a candidate is intelligent and industrious, and also *young* (2) the system of instruction at Royal Military College is such as to be pretty certain to develop anything in, and to make a valuable man of, him.

The failure of *young* candidates is, therefore, specially to be regretted; that of comparatively old Candidates (who should be better prepared) is of much less moment.

College insufficiently known to the Public.

27. It is a satisfactory sign of the appreciation of the Royal Military College by those who know it best, that so many of the near relatives of Cadets or Graduates become candidates for admission.

It is, however, very observable how little known the College is as yet to the *general public*.

Time may remedy this, but meanwhile, increased publicity should be given (as is done in the case of the older kindred institutions in other countries) by periodical advertisement through the country generally of the examinations for admission.

The ordinary Gazette is valueless for this purpose.

Inspection by His Excellency the Governor General.

28. His Excellency the Right Honourable the Marquis of Lorne accompanied by Her Royal Highness the Princess Louise, honoured the Royal Military College by a special inspection very shortly after their arrival in Canada, and again made a similar inspection almost immediately before their departure from the Dominion, thus demonstrating that the warm interest which has been displayed by them towards all educational institutions of Canada, had in no degree lessened as regards the Royal Military College, from four years' observation of its working.

The kindly and considerate interest at all times shown by those so well qualified to judge, has afforded great encouragement to all connected with the Royal Military College in their unflagging efforts to render that Institution worthy of the Dominion of Canada.

I have the honour to be Sir,

Your obedient servant,

E. O. HEWETT, Colonel Royal Engineers,
Commandant Royal Military College.

NOTES BY MAJOR-GENERAL COMMANDING.

(1) These points should, I think, be considered and reported on by the Board of Visitors.

(2) It will be observed that the ages of those entered in 1883, range from 15½ to 17½, with one exception, and that is 18½.

DETAIL of Qualifications of Gentlemen Cadets

Regimental Number.	Rank.	Names (in alphabetical order).	Province (belonging to).	Determined on Marks obtained from date of Joining to date of Graduating from R. M. College.														
				Position in each subject.														
				Mathematics and Mechanics.	Fortification and Military Engineering.	Artillery (Theory and Construction of).	Strategy, Tactics, Military Administration and Military History.	Law.	Surveying, Military Topography and Reconnaissance.	Geometrical Drawing and Descriptive Geometry.	French.	Chemistry.	Physics.	Geology.	Freehand Drawing and Painting.	Civil Engineering.	Drills and Exercises.	Conduct.	N.-C. Officers' Discipline.
93	Co. Serg.-M.	Almon, M. B.....	Nova Scotia.	7	14	7	8	8	9	10	15	11	11	11	3	6		
98	Lance Corpl.	Baker, J. H.....	Quebec.....	20	19	18	12	19	17	19	11	16	10	12	10	15	9	17
70	do	Benson, T.....	Ontario.....	23	23	23	23	23	23	16	22	14	22	19	13	....	
73	do	Campbell, D. C....	do.....	8	20	8	1	21	14	7	12	22	15	20	21	....	
82	Corporal....	Carruthers, W.B....	do.....	15	15	15	14	15	15	2	21	13	18	4	6	14		
92	Sergeant....	Casgrain, P. H. ...	Quebec.....	5	6	12	10	4	6	1	7	8	6	6	17	14	13	
99	Lance Corpl.	Chalmers, T. W....	Ontario.....	11	17	16	21	20	16	18	19	15	17	18	12	18		
75	do	Evans, A. T.....	do.....	21	22	22	22	22	23	23	23	23	23	23	23	....	
87	Sergeant....	Gray, P. E.....	Nova Scotia.	17	13	10	9	7	7	4	6	5	4	17	9	8	15	12
69	do	Joly, A. C.....	Quebec.....	22	16	20	16	18	20	14	20	20	21	16	16	15		
74	do	Kerby, F. M.....	Ontario.....	4	11	5	11	10	5	22	9	1	4	8	13	11	9	
89	do	Lambe, L.....	Quebec.....	19	10	17	17	9	13	10	13	1	*12	12	8	8		
79	Bn. S.-M.....	Lang, J. L.....	Ontario.....	2	3	4	4	5	3	3	5	4	5	2	4	1	2	1
86	Sergeant....	Leonard, R. W.....	do.....	3	1	3	15	1	1	6	1	2	2	3	2	2	4	5
78	do	Nanton, H. C.....	do.....	*12	5	11	7	11	18	13	11	10	*12	6	19	7		
84	Lance Corpl.	Neyland, M. W. ...	do.....	16	21	21	18	16	19	20	18	9	19	7	3	19		
85	Co. S.-M.....	Stewart, W. J.....	do.....	1	2	2	3	2	2	5	2	3	3	8	3	9	5	2

who Graduated on the 26th June, 1883.

General Position in Batch on Graduating.	Total Marks.	Certificate of Graduation (Class of).	Distinctions Obtained.	
			Honours.	Special Mention.
9	37,827	First....	Conduct. N.-C. Officers' Discipline.....	Geometrical Drawing and Descriptive Geometry. Conduct.
17	31,230	do....	Nil.....	Conduct.
22	23,122	do....	Nil.....	Conduct.
13	34,632	do....	Strategy, Tactics, Military Administration and Law. Conduct. Drills and Military Exercises.	French. Surveying, Military Topography and Reconnaissance. Geometrical Drawing and Descriptive Geometry. Civil Engineering. Conduct.
15	33,711	do....	Conduct. Drills and Military Exercises.	Conduct.
5	43,853	do....	French.....	French. Surveying, Military Topography and Reconnaissance. Geometrical Drawing and Descriptive Geometry. Civil Engineering. Conduct.
19	29,688	do....	Nil.....	Conduct.
23	21,311	Second..	Nil.....	Nil.
7	39,701	First....	Nil.....	Geometrical Drawing and Descriptive Geometry. French. Conduct.
21	28,699	do....	Nil.....	Conduct.
6	41,099	do....	Nil.....	Mathematics and Mechanics. Geometrical Drawing and Descriptive Geometry. Civil Engineering. Geology. Conduct.
11	36,394	do....	Freehand Drawing. Conduct. N.-C. Officers' Discipline.	Nil.
2	53,505	do....	Mathematics and Mechanics. Theory and Construction of Artillery. Geometrical Drawing and Descriptive Geometry. Conduct. Drills and Military Exercises. N.-C. Officers' Discipline.	Fortification and Military Engineering. Strategy, Tactics, Military Administration and Law. Surveying, Military Topography and Reconnaissance. Physics. French. Civil Engineering. Chemistry. Geology.
3	53,271	do....	Mathematics and Mechanics. Fortification and Military Engineering. Theory and Construction of Artillery. Surveying, Military Topography and Reconnaissance. Geometrical Drawing and Descriptive Geometry. Physics. Civil Engineering. Chemistry. Conduct. Drills and Military Exercises.	Conduct.
12	35,004	do....	N.-C. Officers' Discipline.....	Conduct.
20	28,957	do....	Nil.....	Conduct.
1	54,656	do....	Mathematics and Mechanics. Fortification and Military Engineering. Theory and Construction of Artillery. Surveying, Military Topography and Reconnaissance. Geometrical Drawing and Descriptive Geometry. Civil Engineering. Conduct.	Strategy, Tactics, Military Administration and Law. Physics. French. Chemistry. N.-C. Officers' Discipline.

DETAIL of Qualifications of Gentlemen Cadets

Regimental Number.	Rank.	Names (in alphabetical order).	Province (belonging to).	Determined on Marks obtained from date of Joining to date of Graduating from R. M. College.														
				Position in each subject.														
				Mathematics and Mechanics	Fortification and Military Engineering.	Artillery (Theory and Construction of).	Strategy, Tactics, Military Administration and Military History.	Law.	Surveying, Military Topography and Reconnaissance.	Geometrical Drawing and Descriptive Geometry.	French.	Chemistry.	Physics.	Geology.	Freehand Drawing and Painting.	Civil Engineering.	Drills and Exercises.	Conduct.	N.-C. Officers' Discipline.
83	Corporal	Strange, H. B.	Quebec	*12	12	6	13	14	21	12	...	14	...	18	5	14	22	16
88	Lance Corpl.	Twyning, P. G. ...	Nova Scotia.	10	8	13	2	13	9	8	...	10	...	19	16	22	20	...
100	Co. S.-M.	Van Straubenzee, B. W.	Ontario	18	9	19	5	6	10	11	8	6	8	7	14	5	1	3
101	do	Weller, J. L.	do	6	4	1	19	3	4	15	4	1	7	5	1	3	7	4
96	Corporal	White, J.	do	9	7	9	6	12	12	17	3	7	9	21	7	21	17	*10
99	do	Woodman, J.	do	14	18	14	20	17	11	21	...	17	...	16	20	10	10	*10

* Equal.

1st December, 1883.

who Graduated on the 26th June, 1883—Concluded.

General Position in Batch on Graduating.	Total Marks.	Distinctions Obtained.		
		Certificate of Graduation (Class of).	Honours. Special Mention.	
16	32,551	First	Nil	Civil Engineering. Conduct.
14	34,437	do	Strategy, Tactics, Military Administration and Law.	
8	38,983	do	Conduct. N.-C. Officers' Discipline.....	Nil.
4	46,787	do	Surveying, Military Topography and Reconnaissance. Theory and Construction of Artillery. Geometrical Drawing and Descriptive Geometry. Physics. Civil Engineering. Conduct. Drill and Military Exercises.	Fortification and Military Engineering. Chemistry. N.-C. Officers' Discipline.
10	36,418	do	Nil	Fortification and Military Engineering. Chemistry. Civil Engineering Conduct. N.-C. Officers' Discipline.
18	30,459	do	Conduct	N.-C. Officers' Discipline.

E. O. HEWETT, Colonel R.E.,
Commandant Royal Military College.

APPENDIX No. II.

REPORT OF THE DIRECTOR OF STORES, &c.

DEPARTMENT OF MILITIA AND DEFENCE, STORE BRANCH,
OTTAWA, 31st December, 1883.

SIR,—I have the honor to submit the following Report on Militia stores and property in my charge:—

Clothing.

It having been decided to obtain the Militia Clothing in Canada, contracts have been entered into this year with Canadian manufacturers for the usual annual supply.

The experiment to produce scarlet cloth in this country has not, however, been attended with success. A supply of scarlet tunics with serge trousers to complete the suits, were, therefore, imported from contractors in England to meet the requirements for the year.

Contracts have also been entered into in Canada for the manufacture of articles of necessaries and store supplies required for the Royal Schools of Gunnery and the new Infantry Schools recently established.

A supply of infantry great coats of very superior Canadian cloth was recently received from contractors in Canada.

The total issues for the past year have been, for all arms; 7,719 cloth and serge tunics, 7,147 pairs of cloth and serge trousers, 3,302 forage caps, and 3,815 great coats.

The detailed issues of clothing for the year is shown by the following statement:—

ISSUES.

Tunics, Cloth.		Tunics, Serge.		Trousers, Cloth, Pairs.		Trousers, Serge, Pairs.		Forage Caps.				Great Coats								
Cavalry.	Artillery.	Engineers.	Infantry.	Rifles.	Cavalry.	Artillery.	Infantry.	Rifles.	Cavalry.	Artillery.	Infantry.	Rifles.	Cavalry.	Artillery.	Infantry and Rifles					
259	1,198	42	4,079	1,362	439	340	172	620	1,308	4,479	568	215	1,101	1,942	42	35	210	3,570

Ammunition.

The practice ammunition issued to the Force during the year was 371,410 rounds of ball and 282,159 rounds of blank (*Vide Appendix A*).

The issues on re-payment for the year was 686,504 rounds of "Snider" ball, 20,950 rounds of "Martini-Henry" Rifle, and 600 rounds of "Spencer" Rifle ammunition, being a total of 708,054 rounds to Rifle Associations and Militia Corps for Rifle competitions and private practice, for which the deposit receipts credited to the Receiver-General amounted to \$11,729.87, including the value of powder and friction tubes supplied for the noon gun at Ottawa. (*Vide Appendix B*).

The usual supply of gun powder, friction tubes and projectiles has been issued to the several Field and Garrison Batteries of Artillery for annual practice and salutes. (*Vide Appendix C*.)

A supply of small arm ammunition, ball and blank, to add to the reserve, has been received in store charge from the new cartridge factory at Quebec.

A Board of Officers having been appointed to test the new cartridges, the report was in every respect satisfactory, as showing the ammunition to be quite equal to that imported from England.

The annual supply of R.L.G. powder was purchased this year from the Hamilton Powder Company, and on inspection was found to be satisfactory.

Arms.

The arms at the several stations are being repaired as far as it is possible with the limited assistance at the disposal of the store branch. An Assistant Armourer is required at Toronto, being one of the largest districts.

The appointment of an Armourer is necessary for Military District No. 1, at London, and No. 4, at Ottawa; also for No. 7, Quebec, in place of the late Sergeant Winn, a most valuable N.C. Officer, whose death at a recent date was much regretted.

Boards of Survey.

The usual Boards of Survey on Militia Stores in charge at the several stations, were held in accordance with regulations. The sales by public auction of stores condemned by these Boards, were authorized at several stations, and the proceeds of such sales duly placed to credit of the Receiver-General. In some cases the quantity of condemned stores was so small, it was deemed inexpedient to dispose of them as the proceeds would hardly cover the expense attending their sale in this manner.

New Store Building.

The Department having acquired by purchase a new store building at Ottawa, the whole of the clothing and other Militia stores were removed during the summer from the old building formerly in use. The new building has been fitted up under direction of the Public Works Department, and is in every respect most suitable and convenient for a Military store, the ground flat, being arranged for Storekeeper's office, Armourers' and Carpenters' shops, and the storage of arms and heavy stores.

The second flat is fitted up with shelving for clothing, necessaries, and the various small stores and sample room.

The third story is arranged for the storage of camp equipment and accoutrements of all kinds, a portion of this flat being also used as a residence for the Caretaker. Altogether, the accommodation for the stores may be considered most complete.

Camp Losses and Deficiencies.

The arrangements this year for the delivery of Camp equipment, issued for use in the several Camps and the receiving of same on the breaking up of camps, were found to be an improvement on previous years, and it is suggested that in future the Quartermasters of Camps be directed to secure the delivery of all equipment from Officers Commanding, on breaking up of Camp, before the Corps leave the ground, when any loss or deficiency could more readily be adjusted. The Quartermaster should also be furnished in all cases with a fatigue party to assist him in this duty, as in some instances it has been reported that in the hurry of leaving Camp, the Quartermaster was left without sufficient assistance in securing the equipment.

Military Properties.

During the past summer certain Imperial lands held for military purposes in various parts of the Province of Nova Scotia, were transferred to the Dominion Government through this Department, and are now classified with the other Militia properties in charge. Most of these lands are under lease to parties resident in the several localities.

The amounts received for rents of Militia properties for the current year appears in the following statements,—viz: \$4,354.65, arrears still due, \$731.00.

Number of Tenants.	Stations.	Amounts of Rents		Remarks.
		Accrued.	still Due.	
		\$ cts.	\$ cts.	
1	Winnipeg, Man.....			
1	Chatham, Ont.....	1 00		
1	London.....	12 50		
2	Niagara.....	16 00	36 00	
5	Toronto.....	177 50	20 00	
1	Ottawa.....	1 00		
20	Kingston.....	418 79	81 50	
4	Montreal.....	100 00		
1	Laprairie.....	1 00		
2	Isle aux Noix.....	64 00		
23	Quebec, &c.....	2 835 65	112 00	
28	Point Lévis.....	448 50	431 50	
19	New Brunswick.....	168 75	50 00	
3	Nova Scotia.....	108 96		
1	Prince Edward Island.....	1 00		
	Prescott, Ont.....			
	St. John's, Que.....			
111	Total received, 1883.....	\$4,354 65		
	Total arrears.....		\$731 00	

DEPOSIT RECEIPTS.

The amount received by the Store Branch for stores and ammunition issued on re-payment, and for rents collected on Militia property during the year, is shown in the following statement:—

Ammunition.		Clothing.		Arms and Accoutrements.	Deficiencies.	Rents.	Miscellaneous.	Total Amount.
Rounds.	Amount.	Officers.	Men.					
	\$ cts	\$ cts.	\$ cts.	\$ cts	\$ cts.	\$ cts.	\$ cts.	\$ cts.
708,054	11,729 87	79 00	507 91	132 20	40 51	4,354 65	471 52	17,315 66

Military Museum.

Donations of articles of historical interest continue to be made to the Museum. Some valuable additions have been received during the past year. The reports received from the Superintendents of Stores in the several Districts as to the condition of the stores and buildings, &c., in charge, are satisfactory.

I have the honor to be, Sir,
Your most obedient servant,

J. MACPHERSON, Lieut. Colonel,
Director of Stores and Keeper of Militia Properties.

The Honorable
The Minister of Militia and Defence,
Ottawa,

[A.]

S. A. AMMUNITION issued for Practice during the year 1883.

Date.	Corps and Station.	Rounds.	
		Ball.	Blank.
1883. <i>Military District No. 1, London.</i>			
Jan. 2.....	Captain Garnett, No. 1 Company, 26th Battalion.....	820	
June 13.....	do Nicoll, No. 1 Battery, 1st Brigade, Field Artillery.....	1,500	
do 13.....	do Hood, No. 2 do do.....	1,500	
do 13.....	The Quarter Master, Camp, London.....		47,040
do 13.....	7th Battalion.....		5,880
July 12.....	Lt.-Col. Walker, Commanding 7th Battalion.....	5,880	
Sept. 21.....	Lieutenant Johnson do No. 5 Company, 24th Battalion.....	400	
do 21.....	Captain Mutrie do No. 6 do 30th do.....	500	
do 21.....	do Bleakley do No. 5 do 22nd do.....	260	
do 21.....	do Smith do No. 4 do 24th do.....	780	
do 24.....	do Ley do No. 7 do 25th do.....	220	
do 26.....	do McDowell do No. 7 do 30th do.....	680	
do 27.....	do Carroll do No. 6 do 27th do.....	500	
do 29.....	do Allan do No. 4 do 30th do.....	560	
do 29.....	do Kenward do No. 4 do 27th do.....	640	
Oct. 8.....	do Patterson do No. 1 do 24th do.....	560	
do 9.....	do McCleneghan do No. 6 do 22nd do.....	540	
do 10.....	do Day do No. 8 do 22nd do.....	580	
do 13.....	do Moore do No. 8 do 30th do.....	720	
do 16.....	do Moscrip do No. 3 do 28th do.....	500	
do 17.....	do Beam do No. 4 do 28th do.....	680	
do 29.....	do Beattie do No. 3 do 30th do.....	700	
do 30.....	do Lindsay do No. 6 do 25th do.....		
		18,940	52,920
			11,533
July 25.....	Less—Returned from Camp Quarter Master, London.....	18,940	41,387
	Total.....		
1883. <i>Military District No. 2, Toronto.</i>			
June 12.....	Lt.-Col. Denison, Commanding Governor-General's Body Guard.....	1,680	1,680
do 19.....	Major Peters, Commanding London Field Battery.....	500	
do 20.....	The Quarter Master, Camp, Niagara.....	60,000	60,000
Aug. 22.....	Lt.-Col. Grasset, Commanding 10th Royals.....	6,720	1,000
Oct. 9.....	do Jones do 38th Battalion.....	5,040	5,040
do 16.....	do Skinner do 13th do.....	5,040	5,040
do 23.....	Major Miller do 2nd do Q. O. Rifles.....	8,400	3,900
		87,380	76,660
		24,000	25,370
July 4.....	Less—Returned by Camp Quarter Master, Niagara.....	63,380	51,290
	Total.....		
1883. <i>Military District No. 3, Kingston.</i>			
May 8.....	Commandant Royal Military College.....	5,000	4,000
do 16.....	do "B" Battery, R. S. G.....		5,000
Aug. 30.....	Lt.-Col. Kerr, Commanding 14th P. W. O. Rifles.....	5,040	5,040
Sept. 8.....	The Quarter Master, Camp, Cobourg.....	32,120	25,720
		37,120	39,760
	Total.....		

S. A. Ammunition issued for Practice during the Year 1883.—Continued.

Date.	Corps and Station.	Rounds.	
		Ball.	Blank.
1883. <i>Military District No. 4, Ottawa.</i>			
June 21.....	The Quarter Master, Camp, Brockville	26,040	20,000
	Total.....	26,040	20,000
1883. <i>Military Districts Nos. 5 and 6 Montreal.</i>			
June 22.....	The Quarter Master, Camp, St. Johns, Quebec.....	45,000	45,000
do 25.....	do do Laprairie	25,000	25,000
July 24.....	Major Kennedy, Commanding Montreal Engineers	1,000	.....
Aug. 7.....	Lt.-Col. Feltou do 53rd Battalion.....	3,360	3,360
do 16.....	do Sheppard do 83rd do	5,500	5,500
Sept. 14.....	do Cox do 79th do	5,600	5,600
do 20.....	do Oswald do Montreal Brigade, G. A.....	500	.....
do 21.....	do Houde do 86th Battalion.....	5,500	5,500
Oct. 8.....	Major Caverhill, 5th Royal Scots.....	5,040	.....
	Total Issues.....	93,500	89,960
July 19.....	Less—Returned from Camp Quarter Master, Laprairie	9,000	15,700
do 19.....	do do do St. Johns	21,940	43,520
Sept. 1.....	do do 83rd Battalion.....	.....	3,600
Oct. 5.....	do do 79th do	800	3,900
	Total Returned.....	31,740	66,720
	Total	64,760	23,240
1883. <i>Military District No. 7, Quebec.</i>			
Mar. 17.....	Lieut.-Col. Scott, Commanding 8th Royal Rifles.....	5,040	5,040
do 22.....	Captain Roy, Commanding No. 1 Battery, Q. G. A.....	840	.....
do 22.....	do Boulanger do 2 do do	840	.....
do 22.....	do Morgan do 3 do do	840	.....
May 5.....	Lieut.-Col. Forsyth, Commanding Quebec Cavalry.....	1,680	1,680
do 5.....	do Amyot do 9th Battalion.....	4,000	4,000
do 5.....	Major Lindsay do Quebec Field Battery.....	750	750
June 4.....	Lieut.-Col. Duchesnay, D.A.G., 7 M.D. for Camp Lévis.....	51,800	23,713
Aug. 2.....	Lieut.-Col. Cotton, Commandant "A" Battery, R.S.G.....	6,000	.....
	Total	71,790	35,183
1883. <i>Military District No. 8, St. John, N.B.</i>			
Mar. 21.....	Captain McGee, Commanding St. George Infantry Company...	840	.....
Aug. 2.....	Lieut.-Col. Foster do N.B. Brigade G.A.....	1,680	.....
do 23.....	do Blaine do 62nd Fusiliers.....	5,040	5,040
Sept. 20.....	The Quartermaster, Camp, Sussex.....	16,880	13,360
Nov. 1.....	Captain Hartt, Commanding St John Rifle Company.....	840	840
	Total.....	25,280	19,240

S. A. Ammunition issued for Practice during the Year 1883—Continued.

Date.	Corps and Station.	Rounds.	
		Ball.	Blank.
1883. <i>Military District No. 9, Halifax, N.S.</i>			
June 25.....	Captain Gordon, Commanding Pictou Garrison Battery	840	840
do 28.....	The Quartermaster Camp, Pictou.....	17,720	26,120
July 7.....	Lt.-Col. Mowbray, Commanding 1st Bgde. G.A., Halifax, N.S.	5,040	5,040
do 7.....	Captain Daley do Digby Battery.....	840	840
do 7.....	do Jolly do Yarmouth do	840	840
do 7.....	do James do Mahone Bay do	840	840
do 7.....	do Brown do Lunenburg do	5,040	5,040
do 7.....	Lt.-Col. Mackintosh do 63rd Battalion.....	6,720	6,720
do 7.....	do Bremner do 66th P.L.F.....	5,040	.....
Aug. 23.....	68th Battalion.....	6,720	.....
do 23.....	69th do	5,880	.....
do 23.....	78th Highlanders.....	4,200	.....
do 23.....	Cumberland Provincial Battalion.....	4,200	.....
do 23.....	Argyle Highlanders.....	840	.....
do 23.....	No. 6 Company 75th Battalion.....	.....	.....
	Less returned by Quartermaster Camp, Pictou.....	65,600	47,120
July 19.....	Total.....	17,500	5,700
	Total.....	48,100	41,420
1883. <i>Military District No. 10, Manitoba.</i>			
Aug. 9.....	Captain Knight, Winnipeg Cavalry.....	700	700
Sept. 26.....	Winnipeg Field Battery.....	1,520	.....
	Total.....	2,220	700
1883. <i>Military District No. 11, British Columbia.</i>			
April 27.....	Lieut. Harvey, Commanding No. 1 Company Rifles, Nanaimo...	420	.....
July 19.....	Capt. Pittendreigh do Seymour Artillery.....	700	700
do 13.....	do Peele do New Westminster Rifles.....	700	700
Aug. 2.....	do Wolfenden do No. 1 Company Victoria Rifles...	700	700
do 3.....	do Fletcher do No. 2 do do	1,400	1,400
do 3.....	Victoria Garrison Artillery.....	700	700
Oct. 1.....	Nanaimo Rifle Company.....	.....	.....
	Total	5,320	4,900
1883. <i>Military District No. 12, Prince Edward Island.</i>			
June 9.....	Major Mabon, 82nd Battalion	60	.....
Sept. 24.....	do Dogherty, Charlottetown Engineers.....	840	840
do 24.....	do Mabon, No. 4 Company 82nd Battalion.....	840	840
do 24.....	Capt. McLeod, No. 5 do 82nd do	840	840
do 24.....	do Alexander, No. 6 do 82nd do	840	840
do 24.....	do Maxfield, No. 1 do Prince County Battalion.....	840	840
do 24.....	Lieut. Fraser, No. 1 do King's do	2,520	.....
Oct. 19.....	Major Irving, Commanding P.E.I. Brigade Garrison Artillery.	840	.....
do 23.....	Capt. Stewart, No. 3 Company 82nd Battalion.....	.....	.....
	Total	8,460	5,040