Powder.

The manufacture of R.L.G. powder, at the Hamilton Powder Works, has given good results, and the manufacture of Pebble, as well as R.F.G. for small arms, should be introduced. When at Quebec, I used annually to test the L.G. and R.L.G. by the mortar eprouvette, the only means at my command, and found it was not deteriorating in any perceptible degree at that station. I have no means at my disposal here, but, judging by the results of mortar practice, I believe the powder has deteriorated at this station. I recommended last year, the purchase of a chronograph for the purpose of testing both guns and powder. I also furnished estimates, but the cost was not sanctioned.

The shrapnel fuzes issued from store, are very unreliable. I specially mentioned those issued to the Toronto Garrison Artillery, which bear the date of 1864.

There is no object in retaining a great amount of artillery ammunition in our stores, mostly obsolete, and in part perishable. The best use that could be made of it, would be to allow a highly increased supply for practice to the militia, as recommended in the body of my report, and that for the training of the School of Gunnery should be largely increased. No ammunition is allowed for the training of pupils at the school, and none for the training of recruits in "A" and "B" Batteries, who are allowed practice ammunition only on the scale allowed for ordinary militia batteries, It would appear needless to insist on the necessity of ammunition for a Gunnery School.

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

T. B. STRANGE, Lieut.-Colonel,
Inspector of Artillery,

THE DOMINION ARTILLERY ASSOCIATION.

The Dominion Artillery Association has, I believe, been productive of great good. For spreading its influence in the Province of Ontario, I am indebted to Lieut.-Colonel Irwin, and to Lieut.-Colonel Price Lewes for gaining a fuller support from the Maritime Province. A detailed report of the Dominion Artillery Association will be submitted by the Secretary at the annual meeting.

The annual grant, $900, from the Government will, I trust, be increased. It bears but an infinite small proportion to the grants for rifle shooting.

The printing press in connection with the Gunnery School and Dominion Artillery Association is a source of more steady labor than is generally supposed, but its work is essential to the school in printing manuals of instruction, examination questions, &c. The issue of the Canadian Military Gazette, in two languages, if it has been no light labor, has, I trust, been productive of good in the dissemination of military knowledge. The English issue has been supervised by Lieut. Cole, New Brunswick Garrison Artillery, an officer of scientific attainments, and the French part by Sergeant Labat, Licentiate of the University of Paris.

As this is probably the last report I shall submit to the Government of Canada, I trust I may be excused for mentioning the names of officers and non-commissioned officers who have conscientiously labored under me, and for the State.

To the officers commanding batteries, and to the Militia Artillery of Canada, as a body, I offer my thanks for the respect and kindness they have always shown me, as well as for their efforts to assist me. From the Regimental Officers of the Canadian Militia of all arms, I shall part with regret, as a body of gentlemen with whom my intercourse will be a pleasant memory.

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

T. B. STRANGE, Lieut.-Colonel.

REPORT OF THE ASSISTANT INSPECTOR OF ARTILLERY FOR THE MARITIME PROVINCES.

General Remarks.

With regard to the Field Artillery of the Maritime Provinces, I beg to invite attention to my remarks in last year's Report on the smooth-bored armament of the New Brunswick Batteries, and to express a hope that for the sake of the efficiency of the Woodstock and Newcastle Batteries, their guns may soon be exchanged for a rifled gun equipment. Pantaloons of stout cloth, long boots and jack spurs are badly wanted for the drivers; the trowsers (especially the serge) soon get worn out from riding, the strap buttons break away, and drivers are to be found mounted, with the lower part of these garments wrinkled up to their knees and presenting a most unsoldierlike appearance. The want of spurs, too, is very apparent, the only wonder to me being that the men manage as well as they do without them, and that so few accidents occur.*

The batteries of Garrison Artillery have suffered much from the loss of many of their best men who have been obliged to leave in search of work. Batteries not selected for drill last year have shewn bad results this year in consequence; where an artilleryman has so much to learn it is extremely difficult for a Captain to maintain an efficient battery unless called out for drill every year

No rifled gun ammunition was issued this year for practice—a serious loss to the Garrison Artillery. I do not think it works beneficially to use the entire issue of ammunition for competitive practice. I find that Captains of batteries have great difficulty in getting their men to take an interest in the practice unless they have a chance of "laying the gun," many will not go to the practice at all if they can help it. I believe better results will follow if one-half of the ammunition is reserved for competitive practice and the remainder used as formerly.

PRICE LEWES, Lieut.-Colonel,
Assistant Inspector of Artillery.

The Inspector of Artillery,
Kingston.

PROVINCE OF NOVA SCOTIA.

HALIFAX FIELD BATTERY.

Brevet-Major Graham in command.

I superintended the annual gun practice of this battery on the 13th October, at Point Pleasant, when some very good practice was made.

The standing gun drill was good, and the knowledge of ammunition generally shown was also good.

I completed my inspection on the 19th October, when the battery paraded for a field day in conjunction with the regular troops.

Present on parade, four officers, sixty-one N. C. officers and men.

Clothing and accoutrements in good order, belts clean and fairly well fitted.

Guns, carriages and equipment in good order, and the harness clean.

The battery took part in the manœuvres ordered by the general officer commanding, taking up two good artillery positions during the sham fight, and afterwards marching past.

As regards mounted duties the battery is still wanting in efficiency. They have, however, as you are aware, a very unsuitable equipment, and I recommend its exchange for that of a more powerful field gun.

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* NOTE BY THE INSPECTOR OF ARTILLERY.—What might have been a very serious accident occurred to the Hamilton Field Battery for want of spurs: the gun pulling the team backwards down a steep bank. It was duly reported at the time and may be found in the records of the Militia Department—Militia Report for 1876. page 178. T. B. STRANGE, Lieut.-Colonel.

HALIFAX GARRISON ARTILLERY.

1st Brigade.

Commanded by Lieut.-Colonel Mowbray. Six batteries.

I superintended the gun practice of this brigade on the 4th, 5th and 7th October, two batteries being paraded each day. Considering the large number of recruits, the gun drill was very fairly done, and the practice upon the whole very good, notwithstanding very unfavorable weather on two of the days. The competitions produced some excellent marksmen to lay the guns, but in some instances I found men selected who were quite unfit to lay a gun, and I therefore disqualified them from competing and directed the ammunition to be used for instruction of most advanced recruits.

I completed my inspection on the 19th October, when the brigade paraded for a field day in conjunction with the regular troops.

Present on parade, 15 officers, 185 N.-C. officers and men.

Physique, fair.

Clothing and accoutrements in good order.

The brigade acted as infantry and performed tolerably well the movements required of them.

2nd Brigade.

Commanded by Lieut.-Col. Macpherson—five batteries. I superintended their annual gun practice on the 8th, 11th, and 12th October. Gun drill, good. Fortunate in favorable weather, and the greater part of the practice was excellent. I found, however, that in some cases no care had been taken to select marksmen, and I would not, therefore, allow the ammunition to be wasted by men unfit to lay a gun, either from defective vision, or want of instruction. I completed inspection of this brigade on the 19th October. Present on parade—10 officers, 152 non-commissioned officers and men. Physique good. Clothing and accoutrements in fair order. They also took part as infantry in the field-day with the regular troops.

In completing my inspection of the Halifax Garrison Artillery, on the 19th, as above reported, I did so at the request of the Deputy Adjutant-General of the District, who considered it important to have a large muster for drill with the regular troops; and experience of last year showed that when the artillery were called for gun practice, and a separate inspection afterwards by myself, each man thus losing the greater part of two days' work, the employers would not allow them a third day, and consequently very few artillerymen turned out for the field-day afterwards. I cannot, however, make a satisfactory inspection of these brigades, unless, in addition to their attendance at gun practice, I can inspect each brigade separately, as I did last year, to test them at battalion drill, and afterwards at different artillery exercises.

It is much to be regretted that the officers of the Halifax Artillery have not availed themselves of the advantages of attendance at the School of Gunnery. I have urged this upon the commanding officers, but have always been met with the reply that their officers are engaged in business pursuits, and that they cannot possibly command the time for a course at Quebec or Kingston. I have, however, found the officers very ready and willing to learn all they can at headquarters. During last winter, in addition to a large number of men who attended artillery drill in the shed, five officers and eleven non-commissioned officers attended a special course through the winter months, at the end of which I was enabled to pass five officers for second-class certificates, four non-commissioned officers for third-class certificates, and two for fourth-class certificates. The appliances in the drill shed include guns on standing carriages, and on traversing platforms, a 10-inch mortar, a triangle gyn and stores for parbuckling and shifting ordnance. The Dominion Artillery prize for the gun shifting competition, last year, was won by a detachment of Captain Curren's Battery, No. 4, of the 1st Brigade, and I don't think I ever saw a gun shift better done. Two batteries are preparing for the competition this year. I am glad to testify to the zeal and ability displayed by the Adjutants of the

two brigades, Captains Bland and Mulvena (both formerly of the Royal Artillery), in instructing their men.

Digby Battery.

Commanded by Captain Daly. Inspected this battery on the 26th June. Present on parade—2 officers, 39 non-commissioned officers and men. Clothing very bad, new issue not having been received previous to inspection Arms and accoutrements in fair order. Manual exercise and company drill very indifferent. I was informed that the instruction had been principally directed to the gun drill, which was very well done, considering the number of recruits present. The battery afterwards carried out competitive gun practice, which was good. Upon the whole, I can report improvement in this battery as regards artillery duties, since my inspection of it in 1878. They were not called out for drill last year.

Pictou Battery.

Commanded by Captain Gordon. I inspected this battery on the 16th July. Present on parade—5 officers and 38 non-commissioned officers and men. They presented a clean and soldierlike appearance on parade. Manual and firing exercises and company drill very well done. I afterwards saw a detachment at gun drill, which was smartly done, and their gun practice, which I superintended, was also good. The state of the Pictou Battery reflects great credit upon Captain Gordon.

Lunenburg Battery.

Commanded by Captain Brown. I inspected this battery on the 14th October. Present on parade—2 officers and 39 non-commissioned officers and men. Physique excellent; appearance on parade clean and soldierlike; manual and firing exercises and company drill, very fair. They have received no appliances for artillery drills, and I, therefore, beg to repeat my former recommendation that this fine body of men may have guns and stores supplied to them. There are four 32-pounder smoothbore guns at Yarmouth, and I would suggest that two of them should be sent to the Lunenberg Battery for instructional purposes.

Liverpool Battery.

Lieut. Freeman in command. I visited Liverpool on the 15th October for the purpose of inspecting this battery. Lieut. Freeman could not parade any men, and from all I could learn, the battery is completely disorganized. They were not called for drill last year; the Captain went to the United States, and has been gazetted out; a large number of the men have also gone to the States, and I was informed that the rest were scattered about the country in search of work. As there seems at present no one forthcoming fit to command the battery, I recommend that it be broken up.

Yarmouth Battery.

Captain Jolly in command. Inspected on the 28th October. Present on parade—1 officer and 13 men. This battery, re-organized in 1878, was not called out for drill last year. The small number on parade was explained by the difficulty in inducing employers to give their men leave for the day. The few men present were well turned out; they had a fair knowledge of gun drill, but the practice was bad, owing in some measure to very unfavorable weather and a bad range Captain Jolly has only recently obtained command, and he states that he will be able to have a good battery next year.

PROVINCE OF NEW BRUNSWICK.

New Brunswick Brigade, Garrison Artillery.

Commanded by Lieut.-Colonel Foster. I inspected three batteries at Fort Dufferin, St. John, on the 5th August. Instead of finding a full parade of the batteries, as I expected, there were present, beside the commanding

officer, only a few officers and men for the annual gun practice, composed of the competitors for prizes only. These being selected men, drilled well at the guns, and the practice was very good. In the afternoon the remainder were marched to the battery, and there were then present on parade 12 officers and 101 non-commissioned officers and men, among whom a great many recruits. Physique generally good; clothing in fair order; after the gun practice I saw detachments from the remainder at gun drill and a detachment at gyn drill. The gun drill fairly good Battery officers replied fairly well to questions; of gyn drill, officers and men seemed to have little, if any knowledge, but a sergeant who had been through a course at the School of Gunnery showed a good knowledge of it and was able to instruct the detachment. This brigade has had a very good reputation for efficiency, but I regret to see that such is not now being maintained. Lieut.-Colonel Foster, the commanding officer, has served in the N. B. Artillery for over fifty years, and must deserve the highest credit for the efficiency of his brigade referred to in past reports. I should, however, fail in my duty if I did not point out that in my opinion the time has arrived when, from his advanced age, Lieut.-Colonel Foster should relinquish the active command of the brigade, and I feel sure that the Deputy Adjutant-General of the District will unite with me in recommending that he should be given the honorary command of the brigade in which he has so long served. The Adjutant has a first-class certificate from the School of Gunnery, and his knowledge acquired there, if kept up, should be of great service to this brigade, but he lives too far from the town, and apparently does not display zeal in promoting the efficiency of the batteries. I regretted to see instances of ill-discipline at the battery, and was obliged to rebuke the Adjutant, through his commanding officer, for not keeping the men in order. For the sake of smartness and discipline the St. John Batteries should be assembled occasionally for battalion drill, and there should be voluntary drills so as not to interfere with the time allowed for artillery work. In the drill shed at St. John are appliances for artillery drills, and much useful work could be done there in the winter if the commanding officer would make the necessary arrangements.

No. 6 Battery, New Brunswick Artillery, St. Andrews.

Commanded by Captain Polleys. Inspected on the 10th August, at St. Andrews. Present on parade—3 officers and 33 non-commissioned officers and men. Clothing, arms and accoutrements in good order. Manual and firing exercises well done. The detachments at gun drill showed that they had been well instructed. The gun practice very good. The state of the battery reflects credit upon Captain Polleys This battery was not selected for drill last year.

No. 7 Battery, New Brunswick Artillery, Chatham.

Commanded by Brevet Lieutenant-Colonel Gillespie. Inspected on the 3rd September, at Chatham. Present on parade—3 officers and 37 non-commissioned officers and men. Manual and firing exercises very indifferent. They had evidently neglected company drill for the sake of attaining proficiency in gun drill, which was very well done, and very good replies made to questions on artillery. They made good practice. The battery did not drill last year.

Woodstock Field Battery.

Commanded by Captain Dibblee. Inspected this battery in camp at Woodstock on the 8th and 9th July. Clothing, accoutrements, guns, carriages and equipment in fair order. Horses very good, and harness fairly clean and well fitted. Marching past and field manœuvres good. Standing gun drill and practice good. Replies made by officers and non-commissioned officers to questions on artillery, very good. On the 9th—Present on parade: 6 officers, 75 non-commissioned officers and men. The battery took part with the other troops in camp in a very instructive field-day and sham fight, the manœuvres extending over a considerable area of rough and undulating ground, under the command of the Deputy Adjutant-General of the District, and it is only necessary for me to say that the manner in which Captain

Dibblee handled the right half battery, moving his guns with fair rapidity over difficult ground, and taking up excellent artillery positions, was most creditable. Lieutenant Lynch, in charge of the left half battery, manœuvred his guns fairly well also. The battery was very well horsed this year.

Newcastle Field Battery.

Commanded by Major Call. I inspected this battery on the 2nd of September, in camp at Newcastle. Present on parade—5 officers and 70 non-commissioned officers and men; 29 horses. Clothing good. The deficiencies in equipment which I referred to in my report last year, still exist. About 30 men are without accoutrements, and these had been provided for the occasion by borrowing from another corps, I understood, and they were not uniform with those of the battery. The carriages require considerable repairs, the wheels especially, being in very bad condition. Proceedings of a Board held on the state of the carriages has been forwarded to headquarters. Horses good; harness fairly clean and well fitted. Marching past good, and in field manœuvres the battery was very well handled by Major Call. The standing gun drill was very good, and practice good also. The tents were well pitched, and the camp arrangements good.

Brighton Engineers.

Commanded by Brevet-Major Vince. I inspected this company in camp at Woodstock, on the 8th July. Present on parade—3 officers and 40 non-commissioned officers and men of good physique, and drawn from a class suitable for Engineers. As they have received no Engineer equipment yet, I beg to recommend that intrenching tools should be issued to this company in at least the same proportion as already supplied to the New Brunswick Engineers at St. John. The company had been instructed in making gabions whilst in camp, and which were made use of during the field-day and sham fight on the 9th, when Major Vince's company, representing the defending force, was found intrenched in a good position. Major Vince is a very zealous officer, and has a first-class certificate from the School of Gunnery.

N. B. Engineers at St. John.

Lieutenant J. T. Hartt in command. I inspected this company in the drill shed at St. John, on the 5th November. Present on parade—1 officer, 33 non-commissioned officers and men. Clothing, arms and accoutrements in good order; manual, firing exercises and company drill very well performed. This may be described as a very good infantry company. They have been supplied with intrenching tools, but have as yet made no use of them, having been without an Engineer instructor.

PRINCE EDWARD ISLAND.

I inspected the two Batteries of Garrison Artillery stationed at Charlottetown on the 30th July. The Deputy Adjutant-General of the District mustered and inspected these batteries, and then handed them over to me to test their efficiency as artillerymen. No. 1 Battery—Captain Pollard in command—Present on parade, 1 officer and 33 non-commissioned officers and men. The gun drill was very badly performed and replies to my questions on artillery most indifferent. I regret I cannot report favorably of this battery.

No. 2 Battery—Lieut. Irving in temporary command. Present on parade, 1 officer and 37 non-commisioned officers and men. A very smart battery both in appearance on parade and in their drill at the guns. Very good replies made to my questions on artillery. Lieut. Irving deserves great credit for the instruction of the battery. The unfavorable weather prevented gun practice being carried out during my stay at the Island. No. 2 Battery furnished a detachment again this year in the gun shifting competition for the D.A.A. prize. The Summerside Battery of Artillery has been disbanded since my last inspection.

APPENDIX No. 4

ANNUAL REPORT ON "A" BATTERY, ROYAL SCHOOL OF GUNNERY

CITADEL, QUEBEC, 27th November, 1880.

SIR,—During the past year six officers and 92 non-commissioned officers and men joined this school.

Of this number six officers and 36 non-commissioned officers and men joined for a three months' short course of instruction.

Of the 55 non-commissioned officers and men enlisted in "A" Battery, seven were re-engaged for a further term of three years' service.

Batteries.	Officers.	Non-Commissioned Officers and Men.	Total.
London Field Battery			
Welland Canal Field Battery		5	5
Hamilton do			
Wellington do		1	1
Ontario do	1	4	5
Toronto do	1	3	4
Durham do		1	1
Kingston do		2	2
Gananoque do			
Ottawa do		1	1
Winnipeg Field Battery			
Woodstock do			
"A" R.S.G		55	55
Collingwood Garrison Battery			
Sarnia do			
Goderich do		1	1
St. Catharines do		3	3
Toronto do			
Port Hope do			
Trenton do		1	1
Cobourg do			
Napanee do			
Prescott do			
Montreal Field Battery			
Richmond do		2	2
Shefford do		6	6
Quebec do			
Montreal Garrison Brigade			
St. John's Garrison Battery			
Gaspé do			
Grosse Isle do			
Lévis do No. 1			
do do No. 2	1	4	5
Quebec do No. 1			
do do No. 2	1	3	4
do do No. 3	1		1
8th Regiment Cavalry, N.B.	1		1
	2	17	19
Total	8	109	117

The following Certificates have been issued during the Year 1880.

	Long Course.				Short Course.					
	1st Class.	2nd Class.	3rd Class.	4th Class.	1st Class.	2nd Class.	3rd Class.	4th Class.	Attendance.	Total.
Officers					2	1				3
Non-commissioned officers and men			4	2			2	9	14	31
Total			4	2	2	1	2	9	14	34

REMARKS.

1. There has been a very marked decrease during the past year, not only in the number of applicants for a short course of instruction, but also in the number of recruits for three years' service in the battery. This is attributable, no doubt, in a very great degree, to the improvement in the labour market, and also, probably, in some measure, to the length of time that the battery has been available as a school of instruction to volunteer batteries, nearly all of which have now in their ranks a considerable number of well-drilled soldiers.

2. The battery left Tête de Pont Barracks, Kingston, on the 14th June, and arrived at the Citadel, Quebec, on the morning of the 16th, relieving "B" Battery at this station. On arrival at Quebec, the strength of the battery was increased by one officer, one sergeant and fifteen men, transferred from "B" Battery.

3. On the 21st September, six men of the battery were granted their discharges, for the purpose of joining the North-West Mounted Police.

4. During July and August, detachments from the battery were stationed at the Engineer Camp, Point Levis, and carried on the usual rifle practice of forty rounds per man at the ranges there, prizes amounting to $40 being given out of the canteen funds.

5. The annual competitive field gun practice, and "shifting ordnance competition" with "B" Battery, was held on the 22nd and 23rd October. After close contests, "B" Battery was successful in the former, and "A" Battery in the latter competition.

6. Since the arrival of the battery at Quebec, very considerable repairs to buildings, drains, &c., have been carried out by the Public Works Department, and a large amount of repairing work, glazing, &c., has been executed by the battery artificers, and, in connection with this subject, I must again point out the advantages, both in economy and despatch, which would result from the enlistment, in "A" Battery, of a few masons, bricklayers, &c., who could be permanently employed in the necessary repairs constantly required in such extended fortifications.

D. T. IRWIN, Lieut.-Colonel,
Commandant, Royal School of Gunnery.

REPORT ON "B" BATTERY, ROYAL SCHOOL OF GUNNERY, WHILE AT QUEBEC AND KINGSTON, AND BRANCH SCHOOL AT MONTREAL.

KINGSTON, 20th December, 1880.

SIR,—During the year ending 20th of December, 1880, 14 officers and 120 non-commissioned officers and men joined for instruction. Of this number, the officers were as follows:—

Artillery.—Short course, 5; long course, 1.
Engineers.—Long course, 1.
Cavalry.—Short course, 1.
Infantry.—Short course, 4; long course, 2.

Of the above, fifty-one were non-commissioned officers, gunners and drivers from the various artillery and cavalry militia corps in Ontario, Quebec and Maritime Provinces.

In addition, sixty-two non-commissioned officers and men enlisted and re-enlisted in "B" Battery. In the Branch School, Montreal, two officers and seven non-commissioned officers and gunners obtained certificates under the instruction of Assistant Gunnery Instructor, Staff-Sergeant J. Howard, "B" Battery, Royal School Gunnery. The examination papers were sent from Gunnery School headquarters. These are included in the above. Appended are returns of certificates granted, showing subjects of instruction and results of examination.

(*A.*) Garrison artillery and infantry officers, "B," Royal School Gunnery, while at Quebec and Kingston, and Branch School, Montreal.

(*B.*) Field artillery officers, "B," Royal School Gunnery, while at Quebec and Kingston.

(*C.*) Garrison artillery non-commissioned officers and gunners, "B," Royal School Gunnery, while at Quebec and Kingston, and Branch School, Montreal.

(*D.*) Field artillery and cavalry non-commissioned officers, gunners and drivers, "B," Royal School Gunnery, while at Quebec and Kingston, and Branch School, Montreal.

Since the formation of "B" Battery at Quebec considerable means of instruction were developed at the Citadel without much expense to the Government. With the consent of the officers of the Quebec Queen's Own Hussars, who owned the structure, the Cavalry Riding School was removed to the ditch of the Citadel, materally assisting in the equitation and Field Artillery instruction of the Gunnery School, especially during the winter months. The artificers and men of the battery formed a theatre and lecture room, which served both for instruction and amusement. An extensive drill shed was built over the casemates, protecting them and affording an excellent gun drill shed in winter. An indoor gymnasium was also constructed, and a large and commodious model room, school room and library were arranged. I find very inadequate provision has been made at Kingston for these necessary adjuncts to a military school in a climate like Canada. There is no riding school for winter use. The drill shed is only ten yards by twelve yards, and quite inadequate for the instruction of the school. There is no gymnasium. The room used as lecture-room and model-room, is only six and a half yards by seven, and ten feet high; a single class can with difficulty find room to write and take notes; ventilation under such circumstances is impossible in winter. The models are, with one or two exceptions, of obsolete war material. The old military fuel-yard close to the Tete-du-pont would be a suitable place to erect a covered riding school, and a shed built over the casemates as recommended for their preservation would form an excellent gun drill-shed for the detachment of the Gunnery School (40 rank and file) it has been found necessary to station there.

Of the five sergeant infantry instructors appointed to "B" Battery, one was left at Quebec for the assistance of "A" Battery in giving instructions to French-speaking cadet corps, etc. These non-commissioned officers have given great satisfaction to the principals of the various colleges to which they have been attached.

Sergeant Genest, Nicolet Seminary, Nicolet.
" Hamann, Bishops College, Lennoxville.
" Billman, St. Mary's College, Montreal.
" Billman, St. Therèse College, St. Therèse de Blainville.
" Billman, Bourget College, Regaud.
" Billman, Three Rivers Seminary, Three Rivers.
" Sloane, St. Hyacinthe College, St. Hyacinthe.
" Sloane, Joliette College, Joliette.
" Hewlett, St. Anne's College, St. Anne de la Pocatièr.

They have also been lent to give instruction at the infantry schools, Sergeant Genest, Montreal; Sergeant Hamann, Toronto. They have also been utilized, but not to the extent they might have been, in training various infantry battalions; but the Collegiate institutions of the Province of Ontario have not yet availed themselves of the advantages offered.

I have received an offer from two gentlemen who formerly served in the Royal Artillery and in connection with "A" and "B" Batteries, to raise a couple of batteries of artillery in Kingston, but am informed by others that the population of this city is not sufficient to maintain them in addition to the infantry battalion. The loss to the infantry battalion would perhaps be less felt as the Queen's College has applied to form two companies in connection with the 14th Battalion.

Each year a detachment of men have volunteered from "B" Battery for the Mounted Police, and I have heard good reports of their conduct and abilities. This year eight men volunteered and were accepted.

The Total Abstinence Society, which has been maintained in connection with the "B" Battery since its formation, at present numbers forty-five members. It has been productive of much good; many former members of the battery are filling responsible positions in civil life, mainly owing to the habits of sobriety and discipline acquired in it.

The usual good conduct of the battery was marred soon after arrival in Kingston by some half-dozen bad characters who have been punished and discharged. The increased amount of compensation demanded for discharge of men of good character, by recent order, is working badly. The sum is nearly as large as that formerly necessary to obtain release from twenty-one years' service in the British army, and far above the value of the half-worn clothing for which it is supposed to be compensation. The Canadian service, from its limited character, offers little promotion and no pension, and I think it more advantageous in a new country to let men take their discharge (at the end of the year, before the issue of new clothing, without loss to the Government,) when they can obtain employment in civil life, otherwise desertion or bad conduct may by some be selected as a means of discharge. A land grant, under proper conditions, to men of "A" and "B" Batteries of good conduct, after a certain period of service, would benefit the service and the North-West Territory, where trained soldiers may some day be required.

The change of the gunnery schools interfered seriously for some time with the courses of instruction. On a smaller scale much the same results as might at first be expected from changing the command and instructional staff and garrison of Shoeburyness and Woolwich, supposing they were 300 miles apart, French being the language of the majority in one Province and English that of the other. The ultimate results may be beneficial, especially if the two schools are made a single organization. Officers and men did not join after the first report of the intended change, nor for some time after arrival. For the last two months, however, the applications have been more numerous than I have been permitted to take. I trust the recommendation to increase the number of short course by five officers and twenty N.C. officers and men, during winter, with a corresponding decrease in summer, (which would bring the expenditure within the year's estimate) will be sanctioned without delay, as the winter is passing rapidly and it is the season when the close of farming operations allows the best class of militia men to join.

The offer of sixteen horses on loan from the Kingston Street Car Company, will, I trust be accepted. No charge for hire is asked; the forage being the only cost to Government. This would enable a complete field battery of instruction to be established this winter, and also provide for the instruction of cavalry and gentlemen cadets.

Instead of developing the artillery schools or making them schools of all arms, at a minimum cost as regards staff, the strength of "B" Battery has been decreased by General Order after arriving at Kingston. The number was found inadequate at Quebec, as previously reported (page 252, Militia Report for 1878; page 248, Report of 1879). I have also reported to Major-General Luard, commanding Militia, furnished parade states, and explained the duties to be performed, and I trust that he will concur in my recommendations, and see the necessity of increasing the rank and file sufficiently to admit of men being struck off guard duty to attend a regular course of lectures and artillery drills, otherwise a staff of instructors is being maintained without sufficient men to work upon, as I have frequently represented. An increase of 30 gunners and 16 horses is the least number that would be of any avail to afford adequate artillery instruction. The cadets at the Royal Military College could be taught equitation and field battery drill, by means of the horses and equipment of the artillery school, as at West Point and Woolwich.

I have conferred with Lt.-Col. Hewett, R.E., on the points relating to the R. M. College, and he concurs, and a scheme for the further instruction of militia officers by the Professors of the R.M. College, in connection with a system of practical drill and duties at the Gunnery School, has been submitted. The examination returns for the past nine years show, that I have without any assistance but that of the officers I have myself instructed, given instruction in artillery, the tactics of all arms, fortification, military surveying and military law, in addition to the duties of command and inspection. I think it due to myself and these officers to explain, that I never would have undertaken such a task had I for a moment supposed I would be left to struggle on all these years without an increase of staff. Considering the necessities of the situation before the conclusion of the Washington treaty and after the withdrawal of Her Majesty's troops, I could not conscientiously think I was educating artillery officers to take the place of the Royal Artillery, if I had merely given elementary instruction in gunnery, with a knowledge of gun drill and material, nor do I now consider such elementary knowledge sufficient for the militia artillery of Canada. I supposed that if I made a commencement, that the militia instruction would keep pace with the development of the country. As the gunnery school I command is now stationed at Kingston, the instruction in such subjects as fortification, military surveying, military administration could be much more effectually taught in connection with the R. M. College, by its complete and excellent staff of military professors, for which purpose a class of militia officers could be attached to the military college in accordance with the proposal submitted by Lt.-Col. Hewett, R.E.

To enable the Gunnery School at Quebec to benefit by such expansion, and to secure uniformity in military instruction and certificates therefor, as well as discipline, it would be advisable to form "A" and "B" Batteries into an instructional brigade, with at least one complete field battery of instruction, "C," to be stationed at Kingston. Ontario containing more field artillery and cavalry than the whole of the rest of the Dominion, "A" and "B" might be changed every five years, between Quebec and Kingston, to benefit by the broader instruction in connection with the theoretical classes at the R. M. College, and the practical school for all arms which would be thus established at Kingston, and which is hardly possible elsewhere, from the fact of the R. M. College, with its staff of professors, having been here established.

During the past nine years, Capt. and Brevet Lt.-Col. Montizambert has assisted me in the duties of discipline and instruction, and the responsibilities of payment have devolved upon him. Lieut. and Brevet Capt. Short has specially superintended the field artillery and equitation. I venture to hope that the substantive rank of Major to the former and Captain to the latter, with the slight increase of pay it involves, may

be accorded to these officers and to Capt. and Bt. Lt.-Col Cotton, Lt. Bt.-Major Holmes of "A" Battery, to whose faithful services Lt.-Col. Irwin bears testimony. Lieut. and Bt.-Major Frazer has performed the arduous duties of Adjutant since the transfer of an excellent officer, Capt. Oscar Prevost, to "A" Battery. Lieut. Imlah has acted as Quartermaster to my entire satisfaction, and Lieut. Bt.-Major Hebert as musketry instructor. Lieut. Bt.-Major Taschereau was appointed to "B" Battery before he had completed his long course of instruction at the Gunnery School, but I have no reason to complain of the manner in which he performed his regimental duties. I have placed him in command of the detachment at Fort Henry, consisting of two officers and 40 non-commissioned officers and men. I have been obliged to send them there to make room for the large number of short-course non-commissioned officers and men who have joined the school, whom I think advisable to place in two barrack-rooms by themselves, under specially selected non-commissioned officers, with a view to greater opportunities for reading and study. Dr. Neilson has performed his duties to my entire satisfaction, and reports very favorably of the Hospital Sergeant Labat, a man of superior education. Lieut. Donaldson, who performs the duties of master gunner, as well as superintending the correspondence relative to artillery armament over the whole of the Dominion (and to the artillery association of which also he is secretary), has by his untiring energy well earned the rank of lieutenant conferred upon him. He has of late imposed upon himself the task of conducting a night school for non-commissioned officers and men, for which an allowance of stationery, but no pay, has been sanctioned.

He also superintends the meteorological observations, which would be of incalculable value to the science of weather probabilities were it extended to the sentries of that army whose beat is said to surround the globe. It cultivates the habit of observation among soldiers, the monotony of whose ordinary "sentry go" habit of observing nothing, often makes them defective outposts to an army opposed by the keener savage.

I cannot forego mention of the sergeant-major of the Gunnery School, Sergeant-Major Lavie; to his modest, manly character is mainly due that feeling of loyalty to the corps among the non-commissioned officers, which is almost beyond the direct influence of officers. I trust he will some day meet the reward it is apparently beyond my power to bestow. He has been supported by the assistant gunnery instructors, Staff-Sergeants Lyndon and Howard, and two veterans of the English and French armies, Pay-Sergeant Stewart, of H.M. Guards, and the Quartermaster-Sergeant Robert "ci devant zouave," who both wear Her Majesty's medal for the Crimea. They are typical of a typical corps which represents a military system bequeathed to Canada by the two most historically chivalrous nations of the world. I have never seen in any corps a kinder spirit of that comeraderie which is a mainspring of efficiency.

T. B. STRANGE, Lieut.-Colonel,
Commandant Royal School of Gunnery.

[A.]

RETURN of Certificates granted at "B" Battery Royal School of Gunnery, Quebec and Kingston, and Branch School of Gunnery, Montreal, during the Year ending 20th December, 1880.

GUNNERY SCHOOL.

Garrison Artillery and Infantry Officers' Short and Long Course Examination Return.

CORPS AND RANK.	NAMES.	SUBJECTS—WRITTEN.										SUBJECTS—PRACTICAL.														REMARKS.
		Gunnery		Artillery Material.	Shifting and Working Ordnance.	Fortification.	Surveying.		Tactics and Strategy		Military Law, &c.	Total Theory.	Company Drill.	Gun Drill.	Mortar Drill.	7-inch B. L. R. Gun Drill	Gyn Drill.	Sling Waggon.	Shifting Ordnance, including Knotting and Lashing.	Regimental Duty	Field Gun Drill.	Riding.	Field Battery Movements.	Total Practical.	Decimal.		Class Certificate.	
		Obligatory.	Voluntary.				Voluntary.	Range Finding.	Obligatory.	Voluntary.																	
		500	300	500	400	400	400	100	400	200	300	2,600	100	150	50	200	60	50	200	300	.....	.....	.....	1,110	T.	P.	.....	
Montreal Brigade of Garrison Artillery, Lieutenant	H. V. Platt	·76	.....	·93	·67	·76	·95	.....	·97	·95	·86																
		380	.....	468	270	305	380	95	390	190	260	2,738	90	105	40	180	48	35	160	300	.....	.....	.....	958	1·	·86	1st.	Long Course.
Victoria, B.C., Garrison Artillery, Captain	C. T. Dupont	·79	....	·97	1·	·79	.....	.....	·74	.....	·97																
		395	.....	483	410	318	.....	75	295	.....	290	2,256	80	140	40	120	.....	.....	180	150	.....	.....	.....	710	·86	·64	1st.	Short Course.
No. 2 Battery Quebec Garrison Artillery, Lieutenant	F. L. Lessard	·84	.....	·38	·57	·51	.....	.....	·90	.....	·83																
		420	.....	190	230	205	.....	60	360	.....	250	1,715	70	135	35	140	36	35	140	270	.....	.....	.....	861	·66	·77	1st.	do
61st Batt. of Infantry, Captain	P. R. A. Boulanger	·74	.....	·92	·88	·42	·70	1·	·44	.....	·93																
		371	.....	458	352	166	280	100	175	.....	280	2,182	80	105	40	160	42	.....	120	270	.....	.....	.....	817	·83	·73	1st.	do
County of Quebec Provisional Battalion, Captain	L. N. Laurin	·70	.....	·66	·57	·54	.....	.....	·09	.....	·83																
		352	.....	332	230	214	.....	55	37	.....	249	1,469	60	75	35	140	48	45	120	270	.....	.....	.....	793	·56	·71	2nd.	do
3rd Battalion Victoria Rifles of Canada, Lieutenant	H. R. Provost	·51	.....	·59	·55	·82	.....	.....	·55	·55	·73																
		254	.....	318	221	329	.....	35	225	110	218	1,710	60	105	35	100	42	40	140	300	.....	.....	.....	822	·66	·74	1st.	do
																								Total 1,410				
66th Battalion of Infantry, Lieutenant	R. W. Rutherford	·98	·66	·94	·95	·85	·97	·80	·97	·90	·90																
		490	200	470	380	340	390	80	390	180	270	3,190	90	150	45	140	60	40	130	270	90	70	30	1,115	1·	·79	1st.	Long Course.
New Brunswick Brigade of Garrison Artillery, Lieut.	G. F. Cole	1·	·96	·96	·83	·98	·97	1·	1·	1·	·88																
		500	290	480	332	395	390	100	400	200	264	3,351	90	150	45	160	60	40	150	270	75	50	25	1,115	1·	·79	1st.	do
																								Total 610				
Montreal Brigade of Garrison Artillery, Lieutenant	Charles H. Levin	·58	.....	·52	·79	.....	.....	.....	.....	.....	·75																
		290	.....	260	315	.....	.....	70	.....	.....	225	1,160	70	105	30	.....	48	35	140	.....	.....	.....	.....	448	·44	·70	2nd.	Branch School, Montreal.
do do	Wallace C. Trotter	·86	.....	·78	·75	.....	.....	.....	.....	.....	·70																
		430	.....	390	300	.....	.....	.....	.....	.....	210	1,330	70	105	30	.....	48	....	100	.....	.....	.....	.....	353	·51	·59	2nd	do

NOTE.—The Branch School was superintended by Asst. Gunnery Instr. Staff-Sergt. J. Howard, "B" Battery Royal School of Gunnery.

T. B. STRANGE, Lieut.-Col.,
Commandant, Royal Gunnery School,
Kingston.

[B.]

RETURN of Certificate granted at "B" Battery, Royal School of Gunnery,

GUNNERY

Field Artillery—Officer's

CORPS AND RANK.	NAMES.	SUBJECTS—WRITTEN.										
		Gunnery					Surveying.		Tactics and Strategy			
		Obligatory.	Voluntary.	Artillery Material.	Moving and Working Ordnance.	Fortification.	Range Finding and use of Sextant.	Voluntary.	Obligatory.	Voluntary.	Military Law, &c.—Interior Economy.	
		500	300	300	200	400	100	400	400	200	300	
Richmond Field Battery, Lieut	David Williams.....	·65 328	.....	·91 274	·97 195	·91 275	·95 95	90 360	·92 370	.....	·96 290	

Quebec and Kingston, during the Year ending 20th December 1880.

SCHOOL.

Short Course Examination Return.

Total Theory.	SUBJECTS—PRACTICAL.												REMARKS.
	Foot Drill.	Field Gun Drill.	Harness and Stable Duty.	Riding.	Field Battery Movements.	Sword Drill.	Knotting and Lashing.	Regimental Duty.	Total Practical.	Decimal.		Class Certificate.	
2,200	50	150	50	100	50	50	50	300	800	T.	P.	.....	Qualifying Decimal—5.
2,187	35	135	45	80	45	40	40	270	690	·99	·86	1st.	

T. B. STRANGE, Lieut.-Colonel,
Commandant Royal Gunnery School,
Kingston.

RETURN of Certificates granted at "B" Battery, Royal School of Gunnery, Quebec and Kingston, and Branch School of Gunnery, Montreal, during the Year ending 20th December, 1880.

GUNNERY SCHOOL.

Garrison Artillery Non-commissioned Officer's and Gunner's Examination Return, Short Course.

Corps.	Rank.	Names.	Subjects.—Written.			Subjects—Practical.								Total.	Decimal.	Class of Certificate.	Remarks.
			Gunnery.	Artillery Material.	Shifting and Working Ordnance.	Small Arm and Squad Drill.	Garrison Gun Drill	Mortar Drill.	7-inch B.L.R. Gun Drill.	Gyn Drill.	Sling Waggon.	Shifting Ordnance, including Knotting and Lashing	Regimental Duty.				
			350	300	200	50	150	50	200	60	50	50	200	1,660	.....	.....	Qualifying Decimal—5.
			.80	.40	.72												
"B" Battery.....	Act. Bombardier	R. Chalut.....	283	120	144	35	90	30	100	30	25	25	120	1,002	.62	4th.	
			.91	.73	.80												
do	Gunner.....	C. Lemoine	329	219	160	30	75	25	120	30	30	25	100	1,143	.68	4th.	
			.88	.56	.55												
do	do	S. Keeley..	308	168	110	35	75	30	100	42	30	30	120	1,048	.63	4th.	
			.74	.53	.72												
do	do	J. Tapley	262	160	144	25	75	20	100	36	25	25	100	972	.58	4th.	
			.74	.81	.95												
do	do	W. R. Small.....	259	243	190	35	105	30	100	42	25	30	100	1,159	.69	4th.	
			.82	.66	.82												
do	do	L. Gagné.	287	198	164	35	90	30	120	36	30	25	100	1,115	.67	4th.	
			.63	.61	.54												
do	do	A. Henderson.....	220	185	108	30	90	35	140	30	30	25	100	993	.60	4th.	
			.44	.57	.58												
do	do	W. Maxwell.....	155	170	115	35	90	35	100	24	25	30	140	919	.55	4th.	
			.64	.71	.58												
do	do	A. Gauthier...	225	215	115	35	90	35	140	36	30	30	140	1,091	.66	4th.	
			.68	.62	.78												
do	do	E. Marchand..	240	185	155	30	75	35	140	30	.....	.....	120	1,010	.60	4th.	
			.43	.51	.42												
do	do	R. Walsh.....	150	155	85	30	75	35	140	30	.....	.....	140	835	.50	4th.	
			.77	.23	.75												
do	do	J. Fournier.....	270	70	150	30	75	25	120	42	25	25	140	972	.58	4th.	
Montreal Brigade of Gar. Art.....	Sergeant..	L. H. Compain.....	.88	.83	.82												
			301	249	164	35	90	40	160	54	40	40	120	1,233	.74	3rd.	
New Brunswick Brigade of Garrison Artillery.	Corporal..	A. Sharpe.....	.78	.55	.67												
			273	165	104	35	75	35	120	48	35	35	100	1,045	.62	4th.	
do	do	D. H. White	.43	.61	.52												
			151	183	104	25	90	20	100	30	25	25	100	853	.51	4th.	
Quebec Batt. of Gar. Artillery.	Bombardier.....	O. E. Talbot.....	.78	.71	.75												
			276	213	150	30	105	40	140	48	40	35	160	1,237	.74	3rd.	
do	Gunner.....	L. Lapointe.....	.77	.73	.67												
			270	220	134	35	75	20	.....	21	25	20	100	923	.55	4th.	
No. 2 Lévis Battery Garrison Artillery..	Sergeant..	F. J. Couture.....	.73	.53	.65												
			255	175	130	25	75	.....	100	35	.....	.....	100	890	.54	4th.	
														Total. 1,460			
			.67	.65	.40												
"B" Battery.....	Gunner.....	G. Mercer.....	235	195	80	35	90	30	.....	36	25	25	140	891	.61	4th.	
			.82	.80	.87												
do	do	R. Lake.....	290	240	175	30	90	30	.....	30	25	20	120	1,050	.72	3rd.	
			.51	.75	.77												
do	do	M. Ryan.....	180	225	155	30	75	30	.....	42	30	25	120	912	.62	4th.	
			.62	.75	.77												
do	do	T. Callaghan.....	220	225	155	30	90	35	.....	42	30	25	120	972	.66	4th.	
			.62	.71	.83												
do	do	G. Hastie.....	220	215	165	30	90	25	.....	36	25	25	120	951	.65	4th.	
			.77	.63	.87												
do	do	C. Simpson.....	270	190	175	45	105	35	.....	51	35	35	160	1,104	.75	3rd.	
			.80	.55	.65												
do	do	W. Woods	280	165	130	30	90	30	.....	30	25	30	120	930	.63	4th.	
Trenton Battery Garrison Art...	Sergeant..	E. Ladow.....	.77	.51	.37												
			270	155	75	25	75	25	.....	42	25	20	140	852	.58	4th.	
do	do	W. Watts.....	.65	.71	.85												
			230	215	170	25	90	30	.....	36	25	20	100	941	.64	4th.	
														Total. 1,260			
Montreal Brigade Garrison Art...	Staff Sergeant...	W. Andrews.....	.60	.45	.68												
			210	135	135	30	105	30	.....	42	30	35	.....	752	.59	4th.	Branch School, Montreal.
do	Corporal..	J. Benton.....	.64	.58	.65												
			225	175	100	30	105	35	.....	42	40	35	.....	817	.65	4th.	do do

(C.)—RETURN of Certificates granted at "B" Battery, Royal School of Gunnery, Quebec and Kingston, and Branch School of Gunnery, Montreal, &c.—*Continued.*

CORPS.	RANK.	NAMES.	SUBJECTS.—WRITTEN.			SUBJECTS—PRACTICAL.								TOTAL.	DECIMAL.	CLASS OF CERTIFICATE.	REMARKS.
			Gunnery.	Artillery Material.	Shifting and Working Ordnance.	Small Arm and Squad Drill.	Garrison Gun Drill	Mortar Drill.	7-inch B.L.R. Gun Drill.	Gyn Drill.	Sling Waggon.	Shifting Ordnance, including Knotting and Lashing	Regimental Duty.				
			350	300	200	50	150	50	200	60	50	50	200	1,260	.....	.....	Qualifying Decimal—5.
Montreal Brigade Garrison Art..	Gunner.....	W. S. Dowker	.68	.53	.75												
			240	160	150	25	90	35	.....	42	35	40	.....	817	.65	4th.	Branch School, Montreal.
do	do	J. Whitting.....	.61	.45	.65												
			215	135	130	25	90	30	.....	30	25	30	.....	710	.56	4th.	do do
do	do	A. Ward.....	.54	.38	.55												
			190	115	110	25	105	30	.....	36	35	30	.....	676	.53	4th.	do do

T. B. STRANGE, Lieut.-Col.,
Commandant Gunnery School.

[D.]

RETURN of Certificates granted at "B" Battery Royal School of Gunnery, Quebec and Kingston, and Branch School of Gunnery, Montreal, during the Year ending 20th December, 1880.

GUNNERY SCHOOL.

Field Artillery and Cavalry Non-commissioned Officer's and Gunner's Examination Return, Short Course.

CORPS.	RANK.	NAMES.	SUBJECTS.—WRITTEN.			SUBJECTS—PRACTICAL.								TOTAL.	DECIMAL.	CLASS OF CERTIFICATE.	REMARKS.
			Gunnery.	Artillery Material.	Moving, Ordnance, Working Harnessing, &c.	Foot Drill.	Field Gun Drill.	Harness and Stable Duty.	Riding and Driving.	Field Battery Movements.	Sword Drill.	Shifting Ordnance, including Knotting and Lashing.	Regimental Duty.				
			350	300	200	50	150	50	200	60	50	50	200	1,660	.....	.....	Qualifying Decimal, 5.
			·66	·90	·46												
"B" Battery.....	Gunner & Driver	George K. Edwards..	230	270	92	30	120	25	100	.....	25	.....	120	1,012	·61	4th.	
			·51	·35	·51												
do	do ...	Napoléon Marchand..	180	105	102	25	90	40	140	48	40	30	160	960	·58	4th.	
			·90	·78	·52												
Montreal Field Battery	do ...	Thomas McKinnon...	315	234	104	25	105	30	120	.....	25	15	160	1,133	·68	4th.	
			·40	·65	·75												
Shefford Field Battery.....	do ...	George Marshall.....	143	183	150	25	90	35	100	12	25	.....	140	903	·54	4th.	
			·60	·45	·32												
do	Bombardier.....	John Gray.....	210	135	64	25	120	40	140	30	30	20	160	974	·58	4th.	
			·82	·75	·82												
Woodstock Field Battery	Sergeant	James Doherty.....	290	225	164	25	120	40	140	42	35	25	160	1,266	·76	3rd.	
			·70	·53	·70												
do	do	William Price	245	159	140	25	120	40	140	48	35	25	160	1,137	·68	4th.	
			·58	·70	·52												
do	Corporal	James Munro.....	205	210	105	20	105	35	100	24	25	.....	160	989	·59	4th.	

[D.]—RETURN of Certificates granted at "B" Battery Royal School of Gunnery, Quebec and Kingston, and Branch School of Gunnery, Montreal, &c.—*Continued.*

CORPS.	RANK.	NAMES.	SUBJECTS.—WRITTEN.			SUBJECTS—PRACTICAL.								TOTAL.	DECIMAL.	CLASS OF CERTIFICATE.	REMARKS.
			Gunnery.	Artillery Material.	Moving, Ordnance, Working Harnessing, &c.	Foot Drill.	Field Gun Drill.	Harness and Stable Duty.	Riding and Driving.	Field Battery Movements.	Sword Drill.	Shifting Ordnance, including Knotting and Lashing.	Regimental Duty.				
			350	300	200	50	150	50	200	60	50	50	200	1,660	.....	.....	Qualifying Decimal, 5.
Richmond Field Battery	Gunner & Driver	Thomas Cissell	·50 175	·57 171	·50 100	20	90	25	100	18	25	.....	140	945	·56	4th.	
do	do	William Johnston	·50 175	·30 90	·50 100	25	105	40	140	30	35	.....	146	880	·53	4th.	
do	do	George W. Smith	·58 203	·50 150	·50 100	20	90	35	100	18	25	.....	120	861	·51	4th.	
Kingston Field Battery	do	H. A. Wright	·77 270	·72 215	·75 150	30	90	25	100	18	25	15	120	1,058	·63	4th.	
Montreal Field Battery	do	John McG. Mowat	·80 280	·51 155	·78 155	25	105	40	.....	30	30	35	.....	855	·51	4th.	Branch Sch'l, Montreal.
do	do	G. M. Stewart	·73 255	·88 265	·85 170	25	120	35	.....	30	25	30	.....	955	·57	4th.	do do
Ottawa Field Battery	Corporal	E. A. Day	·88 310	·91 275	85 170	30	120	40	140	36	35	25	160	1,341	·81	3rd.	
														Total 1,260			
Princess Louise Dragoon Guards	Sergeant	George Sheppard	·44 *155	·82 245	.....	30	.....	45	160	†48	40	.....	180	903	·71	3rd.	
1st Regiment of Calvary	do	T. A. R. Peel	82 *290	·93 280	.....	30	.....	40	140	†36	35	.....	160	1,011	·80	3rd.	
do	do	Henry M. Ryan	·60 *210	·80 240	.....	30	.....	30	120	†30	30	.....	160	850	·67	4th.	

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Queen's Own Canadian Hussars	do	W. W. Campbell	*	*	*	30	.....	40	160	†42	35	.....	160	.....	.....	3rd.	
4th Regiment of Calvary	do	S. Leroy	·92 *325	·98 295	.....	30	.....	45	160	†42	45	.....	180	1,122	·89	3rd.	

* Cavalry Tactics and Drill Field Duty and Outposts.

† Cavalry Movements instead of subjects as per heading.

T. B. STRANGE, Lieut.-Colonel,
Commanding, Royal Gunnery School, Kingston.

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APPENDIX No. 5.

(A.)

GUNNERY CERTIFICATES.

PROVINCE OF ONTARIO.

LIST of the Names of Officers, Non-Commissioned Officers, and others of the Active Militia who have obtained Certificates at the Royal School of Gunnery, Kingston, during the Year 1880.

Name and Rank.	Corps.	Certificates.				Long or Short Course.
		1st Class.	2nd Class.	3rd Class.	4th Class.	
Athawes, Sergeant C. S. B.	"A" Battery			May 22		Long.
Bernie, Sergeant J.	Collingwood Garrison Battery				Dec. 18	Short.
Callaghan, Gunner T.	"B" Battery				do 18	do
Cole, 2nd Lieut. G. F.	New Brunswick Brigade Garrison Artillery	Dec. 20				Long.
Cook, Sergeant C. E.	Welland Canal Field Battery				April 3	Short.
Day, Corporal E. A.	Ottawa Field Battery			Dec. 20		do
Edwards, Driver G. K.	"B" Battery				July 29	do
Fillion, Gunner E. M.	Kingston Field Battery				April 3	do
Fournier, Gunner J.	"B" Battery				Dec. 18	do
Gauthier, Gunner A.	do				Oct. 12	do
Hastie, Gunner George	do				Dec. 18	do
Henderson, Gunner A.	do				July 29	do
Hood, 1st Lieut. G. B.	Ontario Field Battery	April 3				do
Hood, Bombardier W.	do	do 3				do
King, Sergeant W. N.	"A" Battery			May 22		Long.

Ladow, Sergeant Evan	Trenton Garrison Battery				Dec. 18	Short.
Lake, Gunner Richard.	"B" Battery			Dec. 18		do
Marchand, Gunner E.	do				July 29	do
Marchand, Driver N.	do				do 29	do
Maxwell, Gunner W.	do				do 29	do
Mawhinney, Sergt W.	"A" Battery			May 22		Long.
Mead, 1st Lieut. J. H.	Toronto Field Battery		April 20			Short.
Memberry, Gunner H.	"A" Battery				April 3	do
Mercer, Gunner George.	"B" Battery				Dec. 18	do
Phillips, Sergeant Joseph J.	"A" Battery				May 22	Long.
Proctor, Corporal Richard	do				do 22	Short.
Rutherford, Lieut. R. W.	66th Battalion	Dec. 20				Long.
Ryan, Gunner Michael.	"B" Battery				Dec. 18	do
Shortreed, Qr.-Master-Sergt. R.	Ontario Field Battery				April 3	do
Simpson, Acting-Bombardier C.	"B" Battery			Dec. 18		do
Smart, Gunner W. C.	"A" Battery				April 3	do
Stroud, Sergt. Asst. Gun. Inst. A.	do				May 22	do
Tuck, Gunner W.	Ontario Field Battery			April 3		Short.
						do
Walsh, Gunner R.	"B" Battery				Aug. 26	
Walters, Sergt.-Major A. H.	"A" Battery			May 22		Long.
Watts, Sergeant William.	Trenton Garrison Battery				Dec. 18	Short.
White, Gunner W.	St. Catharines Garrison Battery				April 3	do
Woods, Gunner William	"B" Battery				Dec. 18	do
Wright, Driver H. A.	Kingston Field Battery				do 18	do

RECAPITULATION.

First Class Certificates,	"Long Course"		2
Second	do	do	0
Third	do	do	4
Fourth	do	do	2
First	do	"Short Course"	2
Second	do	do	1
Third	do	do	4
Fourth	do	do	24
Total			39

PROVINCE OF QUEBEC.

LIST of Names of Officers, Non-Commissioned Officers and others, of the Active Militia, who have obtained Certificates at the Royal School of Gunnery, Quebec, during the Year 1880.

Name and Rank.	Corps.	Certificates.				Long or Short Course.
		1st Class.	2nd Class.	3rd Class.	4th Class.	
Alix, jun., Gunner J. O.	Shefford Field Battery				Dec. 18	Short.
Andrews, Staff Sergeant W.	Montreal Brigade Garrison Artillery.				Sept. 22	do
Bailey, Gunner E.	Shefford Field Battery				Dec. 18	do
Balcom, 2nd Lieutenant J. H.	1st Halifax Brigade Garrison Artillery		June 7			do
Belanger, Captain P. R. A.	61st Battalion	April 17				do
Benton, Corporal John	Montreal Brigade Garrison Artillery				Sept. 22	do
Boutillier, Sergeant F.	1st Halifax Brigade Garrison Artillery				June 7	do
Brown, 2nd Lieutenant W. L.	2nd Halifax Brigade Garrison Artillery		June 7			do
Campbell, 2nd Lieutenant H. M.	8th Regiment of Cavalry		Dec. 18			do
Cessill, Driver Thomas	Richmond Field Battery				April 13	do
Chalut, Acting Bombardier R.	"B" Battery				do 7	do
Compain, Sergeant Louis H.	Montreal Brigade Garrison Artillery			April 7		do
Couture, Sergeant F. G.	Lévis Garrison Artillery				July 29	do
Doherty, Sergeant James	Woodstock Field Battery			April 7		do
Donovan, Bombardier James	1st Halifax Brigade Garrison Artillery			June 7		do
Dowker, Gunner W. S.	Montreal Brigade Garrison Artillery				Sept. 22	do
Doyle, Gunner J. H.	Richmond Field Battery				Dec. 18	do
Dupont, Captain C. T.	Victoria, B.C., Garrison Battery	Aug. 21				do
Gagné, Gunner L.	"B" Battery				April 13	do
Garrison, 1st Lieutenant W. A.	1st Halifax Brigade Garrison Artillery		June 7			do
Gray, Bombardier John.	Shefford Field Battery				April 7	do
Haskins, Battery Sergt. Major G.	1st Halifax Brigade Garrison Artillery				June 7	do
Houde, Sergeant P.	Quebec Garrison Artillery.			Oct. 9		do
Johnston, Gunner Wm.	Richmond Field Battery.				April 13	do
Keely, Gunner Samuel	"B" Battery				do 13	do

Lapointe, Gunner Louis	Quebec Garrison Artillery.				do 7	do
Laurin, Captain L. N.	County of Quebec Provisional Battalion.		April 17			do
Lemoine, Gunner C. E.	"B" Battery				April 13	do
Lessard, Lieutenant F. L.	Quebec Garrison Artillery	Nov. 17.				do
Levin, 2nd Lieutenant C. H.	Montreal Brigade Garrison Artillery		Dec. 1			do
Marshall, Gunner Geo.	Shefford Field Battery				April 7	do
Maxwell, Sergeant James.	1st Halifax Brigade Garrison Artillery.				June 7	do
Mowat, Gunner J. McG.	Montreal Field Battery				Aug. 26	do
Munro, Corporal J. A.	Woodstock Field Battery				April 7	do
McDonald, Gunner D. A.	Shefford Field Battery			Dec. 1		do
McKinnon, Driver Thos.	Montreal Field Battery				April 7	do
Nevison, Bombardier T.	Shefford Field Battery				Dec. 18	do
Oland, 1st Lieutenant G. W.	1st Halifax Brigade Garrison Artillery		June 7			do
Platt, Lieutenant H. V.	Montreal Brigade Garrison Artillery	March 27.				Long.
Prevost, 2nd Lieutenant H. R.	3rd Battalion	May 5.				Short.
Price, Sergeant W.	Woodstock Field Battery				April 7	do
Robson, Sergeant J. J.	1st Halifax Rrigade Garrison Artillery			June 7		do
Roche, 2nd Lieutenant J. D.	Quebec Garrison Artillery		Dec. 18			do
Rönne, 2nd Lieutenant G.	1st Halifax Brigade Garrison Artillery		June 7			do
Sharpe, Corporal A.	New Brunswick Brigade Garrison Artillery				April 7	do
Small, Gunner W. R.	"B" Battery				do 7	do
Smith, Gunner G. W.	Richmond Field Battery				do 13	do
Stewart, Gunner G. M.	Montreal Field Battery				Aug. 26	do
Talbot, Acting Bombardier O. E.	Quebec Field Battery			April 7		do
Tapley, Gunner John	"B" Battery				April 7	do
Trotter, Lieutenant W. C.	Montreal Brigade Garrison Artillery		Nov. 17.			do
Vien, Captain G. S.	Lévis Garrison Artillery	Oct. 9				do
Ward, Gunner Alfred	Montreal Brigade Garrison Artillery				Sept. 22	do
White, Captain D. H.	New Brunswick Brigade Garrison Artillery				April 7	do
Whitting, Gunner J.	Montreal Brigade Garrison Artillery				Sept. 22	do
Williams, 2nd Lieutenant David.	Richmond Field Battery	Feb. 21.				do
Zong, Battery Sergeant Major J.	1st Halifax Brigade Garrison Artillery.			June 7		do

LIST of Names of Officers, Non-Commissioned Officers and others, of the Active Militia, &c.—*Continued.*

RECAPITULATION.

First Class	Certificates,	"Long Course"	1
Second	do	do	0
Third	do	do	0
Fourth	do	do	0
First	do	"Short Course"	6
Second	do	do	10
Third	do	do	8
Fourth	do	do	32
		Total	57

[B.]

CAVALRY CERTIFICATES.

LIST of Names of Officers, Non-Commissioned Officers and others, of the Active Militia, who have obtained Certificates during the Year 1880.

Name and Rank.	Corps.	Certificates.				Long or Short Course.
		1st Class.	2nd Class.	3rd Class.	4th Class.	
Campbell, Sergeant W. W.	Queen's Own Canadian Hussars			July 17		Short.
LeRoy, Sergeant Sterling	4th Regiment Cavalry			Dec. 20		do
Peel, Sergeant T. A. R.	1st do			do 18		do
Ryan, Sergeant H. M.	1st do				Dec. 18	do
Sheppard, Sergeant George	Princess Louise Dragoon Guards			Dec. 18		do

RECAPITULATION.

Third Class	Certificates,	"Short Course"	4
Fourth	do	do	1
		Total	5

[C.]

ARTILLERY CERTIFICATES.

LIST of Names of Officers, Non-Commissioned Officers and others, of the Active Militia, who have obtained Certificates from Inspectors of Artillery during the Year 1880.

Name and Rank.	Corps.	First-Class Certificates and date.	Second-Class Certificates and date.
Davies, 1st Lieutenant J. R.	Picton Garrison Battery		July 29th.

APPENDIX No. 6.

MILITARY SCHOOL CERTIFICATES.

PROVINCE OF ONTARIO.

LIST of Officers in the Active Militia who have obtained Certificates at the School of Military Instruction at Toronto during the Year 1880.

Name and Rank.	Corps.	First-Class Certificates and Dates.	Second-Class Certificates and Dates.
Barwell, John, 2nd Lieutenant	44th Battalion		Feb. 20
Booth, John, Lieutenant	30th do		March 6
Codd, Arthur, Lieutenant	45th do		Feb. 26
Crichton, James, 2nd Lieutenant	20th do		March 6
Dawson, O. S., Lieutenant	56th do		Feb. 26
Dixon, James, Lieutenant	42nd do		do 20
Dunbar, John, Lieutenant	42nd do		March 6
Elliot, Thomas, Lieutenant	56th do		do 6
Ellis, Nathan, Captain	29th do		Feb. 7
Fetherson, Richard, 2nd Lieutenant	42nd do		March 6
Fleming, Frank A., 2nd Lieutenant	Gov.-General's Foot Guards.		do 6
Flintoff, James T., Lieutenant	12th Battalion		Feb. 26
Flynn, Richard, 2nd Lieutenant	22nd do		do 20
Garson, Wm., 2nd Lieutenant	19th do		do 26
German, W. M., 2nd Lieutenant	10th do		do 7
Griffith, B. A., 2nd Lieutenant	37th do		March 6
Jefferis, B. G., Lieutenant	32nd do		do 6
Kent, Arthur W., Lieutenant	26th do		Feb. 20
Miller, K. A., Lieutenant	2nd do		Jan. 28
Milligan, Geo. N., 2nd Lieutenant	48th do		March 6
Mills, James R., 2nd Lieutenant	10th do		Feb. 7
Montgomery, J. T., Lieutenant	12th do		March 6
Murray, John A., 2nd Lieutenant	2nd do		Feb. 20
McEachren, Neil, 2nd Lieutenant	10th do		March 6
McKay, Joseph, 2nd Lieutenant	41st do		Feb. 20
McRoberts, W. J., 2nd Lieutenant	26th do		do 26
Niblock, John, Lieutenant	26th do		March 6
Paterson, Charles, Lieutenant	34th do		Jan. 28
Pellatt, H. M., 2nd Lieutenant	2nd do		do 28
Robertson, W. J., Lieutenant	46th do		March 6
Sankey, Villiers, 2nd Lieutenant	2nd do		Jan. 28
Somerville, T. C., 2nd Lieutenant	24th do		Feb. 7
Spence, J. A., Captain	30th do		do 7
Sutherland, W. R. D., 2nd Lieutenant	2nd do		do 7