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APPENDIX No. 4.

ANNUAL REPORT OF THE INSPECTOR OF ARTILLERY.

OTTAWA, November, 1888.

To the Adjutant-General of Militia,
Ottawa.

SIR,—I have the honor to report for the information of the Major General Commanding that, during the past year, the following Batteries of Field and Garrison Artillery performed their Annual Drill in Camp, or at local Headquarters, and were inspected by me, by the Assistant Inspectors, whose reports are herewith attached, or by the District Staff as shown, viz. :—

| Batteries. | Where Drilled. | Inspected by |
|------------------------------------|------------------------|---------------------------|
| <i>Field Batteries.</i> | | |
| Hamilton | Camp Niagara | Lient.-Col. Irwin. |
| Toronto | | |
| Welland Canal | | |
| London | Camp Stratford | do do |
| No. 1 } 1st Brigade | | |
| No. 2 } | | |
| Durham | Camp Gananoque | Lient.-Col. Cotton. |
| Kingston | | |
| Gananoque | | |
| Ottawa | Camp Sherbrooke | Lient.-Col. Montizambert. |
| Richmond | | |
| Sheffield | | |
| Quebec | Camp St. Thomas | do do |
| Montreal | do Montreal | do do |
| Newcastle | do Chatham | Lient.-Col. Cotton. |
| Woodstock | do Woodstock | do do |
| Sydney | do Sydney | Lient.-Col. Irwin. |
| Winnipeg | do Winnipeg | District Staff. |
| <i>Garrison Batteries.</i> | | |
| Halifax Brigade | Halifax | Lient.-Col. Irwin. |
| New Brunswick Brigade | St. John | do do |
| Prince Edward Island Brigade | Charlottetown | do do and Dis.Staff. |
| Cobourg Battery | Cobourg | Lient.-Col. Cotton. |
| Quebec, 3 Batteries | Quebec | Lient.-Col. Montizambert. |
| Lévis, 2 Batteries | Lévis | do do |
| Montreal Brigade | Montreal | District Staff. |
| British Columbia Brigade | British Columbia | do |

The following Batteries of Garrison Artillery were not authorized to drill this year, viz. :—

No. 4 Battery, P. E. I. Brigade,
Digby.
Yarmouth.
Gaspé.

Lunenburg.
Mahone Bay.
Pictou.
Toronto.

The tabulated statements herewith showing the credits obtained for each detail of drill, &c., for the state and condition of equipment, and for correct replies to previously published questions on Artillery subjects, are of so complete and exhaustive a nature as to furnish, without further report, an accurate comparative statement of the actual efficiency of each Battery inspected by the Artillery Staff.

I have also attached a summary of the results of the annual gun practice, and have the honor to submit the following brief notes of the several inspections :—

FIELD BATTERIES AT NIAGARA CAMP.

These three Batteries, as before detailed, were brigaded under command of Major King the senior Artillery Officer, and were inspected by me on the 21st and 22nd June. The Hamilton Field Battery was in a very efficient condition, but the other Batteries had only two Officers present with each and suffered in consequence—Major Mead of the Toronto Battery met with a severe accident just before Camp and was unavoidably prevented from being present.

These Batteries performed their annual gun practice at a range on the lake shore about 3 miles from Camp—further reference to which will be found under the head of "General Remarks."

The Artillery Camp was not quite so well arranged as it might have been, and the plan pursued of picketing the horses to a rope stretched along the ground in front of the camp lines, was found very inconvenient, likely to cause accidents, and unsuited to the conditions which usually prevail at these Camps of Instruction, and during excessively hot weather.

Stratford Camp.

Lt.-Colonel Peters, London Field Battery, was in command of the three Batteries in this Camp, which were inspected by me on the 26th June. The Artillery Camp was very well arranged and all three Batteries were well turned out. Owing to the impossibility of obtaining an Artillery Range anywhere in the vicinity, the gun practice of these Batteries had to be subsequently performed by detachments at Toronto.

Sydney Field Battery.

Inspected at Camp Sydney, C. B., on 25th July. The drill of this Battery both mounted and dismounted was very much improved since my last inspection, and the gun practice, which I superintended on the same day, was very well carried out with fair results considering the nature of the guns used. The Battery has still a good deal to learn as regards the proper care of stores and equipment, fitting of harness and camping arrangements, but with their present zeal and *esprit de corps* will doubtless soon become efficient in these particulars.

GARRISON ARTILLERY.

New Brunswick Brigade.

This Brigade was inspected by me on 22nd August, on which date they were also mustered by the Deputy Adjutant General. I also inspected the Gun Practice of two Batteries on the previous day. The Brigade well maintains its previously reported efficient condition, and the state of general efficiency attained by No. 1 and No. 4 Batteries reflects great credit upon all concerned.

Halifax Brigade

Inspected at Halifax on the 27th August, and superintended the Gun Practice of three Batteries on the 25th.

I am glad to be able to report that my expectations as to the improvement in the general efficiency of this Brigade were realized. There was a very creditable

attendance at the muster held by the Deputy Adjutant General, and the attendance and efficiency shown by the detachments at Gun Drill was a great improvement on previous years. There is, however, a good deal more to be done in this direction, and I trust that next year every Battery will be able to furnish at least three well trained gun detachments.

Prince Edward Island Brigade.

I inspected Nos. 1 and 2 Batteries at Charlottetown, on the 30th August, and so far as regards the attendance, general appearance and drill of both Batteries, am glad to be able to report that, as usual, they were extremely efficient. As a result of recent and uncompleted changes in organization, No. 1 Battery was left practically without officers, but its instruction was well looked after by the Adjutant, Captain Morson.

The Georgetown and Montague Batteries formed part of the annual Brigade Camp at Charlottetown, and were inspected and very favorably reported on by the District Staff. No. 4 Battery, Souris, was not called out for drill.

GENERAL REMARKS.

Field Batteries.

I am glad to be able to report that with a few exceptions these Corps have maintained the state of efficiency so favorably reported upon on previous occasions.

I regret that it was apparently not possible to assemble more than three Batteries at the Niagara Camp. The excellent facilities for combined manœuvres, and also for a certain amount of instructional Gun Practice at this locality lead me to recommend strongly that, even if the dates should not exactly correspond with those selected for the Brigade Camp, yet that this consideration should not prevent the assembly there of six Batteries for annual drill.

The duties in connection with the command, instruction and interior economy of a Field Battery during its short period of drill are so varied and onerous as to require the active co-operation of every Battery Officer, and therefore I consider it very advisable that when it is possible for Field Batteries to be assembled in Brigades, the general command of the whole should always be entrusted to an Artillery Staff Officer.

The Field Artillery Gun Practice of three Batteries at Niagara Camp, of four at Gananoque Camp, and of the Newcastle and Woodstock Batteries at local headquarters, was carried out this year more nearly under service conditions as regards the presence at the firing point of the whole Battery, than can be possible when the marksmen alone are assembled. As, however, owing to the impossibility of finding a suitable range at all the Camps at which Artillery are assembled, it is recommended for next year's practice that a limited number of rounds for instructional practice only, be fired when possible during Camp, and that a Field Artillery meeting for competition gun practice only, be held at some suitable range such as the Island of Orleans, Quebec, at which a certain limited number of officers and men from every Field Battery should attend.

The inspection reports of the Shefford and Richmond Batteries indicate no improvement in efficiency, and it is to be regretted that although owing apparently to their being no suitable range near the Camp at Sherbrooke they were unable to practice during annual drill, yet that they did not avail themselves of the facilities offered to all Field Batteries to send detachments to gun practice at Quebec.

Scott's revolving sights were not used for practice this year, only two additional sights having been granted by the Department, they were issued to "A" and "B" Batteries of the Canadian Artillery Regiment.

When a Field Battery is called out for actual service or annual drill a considerable time is necessarily occupied in the selection and adjustment of horses for gun teams—the harness and saddlery has all to be given over, and fitted, and each gun

carriage and limber has to be carefully packed for service—and the careful performance of the above duties is rendered all the more necessary by the fact that in most instances the Battery has to march some distance before reaching Camp. I have therefore to recommend for favorable consideration that the Officers, Sergeants, Drivers and horses, be allowed pay for one extra day before Camp, in order that, on the day fixed for its assembly the Battery may be able to move off at an early hour fully equipped.

The maintenance in a complete and serviceable condition of the varied and costly equipment of a Field Battery, has always been a matter of great difficulty, and one requiring the closest attention, not only on the part of Officers Commanding Batteries, but also of Inspecting Staff Officers.

It too frequently happens that requisitions to supply deficiencies are not made until a short time before the Annual Drill when the time is too limited to complete them, and it is therefore of the greatest importance that the provisions of General Orders, 26th November, 1887, No. 2, and 13th January, 1888, No. 6, should be strictly adhered to.

Garrison Batteries.

When the difficulties necessarily attendant upon the maintenance of these Corps in an efficient condition are considered, it is gratifying to be able to report that in most of those inspected the attendance at voluntary drills has been so frequent that not only are the officers and men fairly well instructed in both the theory and practice of Artillery, but are also able to compare favorably in purely Infantry drills with their comrades of the Line.

It may be advisable, however, to remind Commanding Officers of Garrison Artillery Corps that the proficiency of the latter in Artillery rather than Infantry exercises, is the main criterion of efficiency.

During this autumn two 64-pounder R. M. L. guns have been mounted at Pictou, N. S., and Digby, N. S., thus affording the Batteries in these localities an opportunity of actual drill and practice with rifled ordnance. Two 40-pounder R. B. L. guns are also expected to arrive from England for the use of the five Garrison Batteries in Prince Edward Island.

The Garrison Artillery meeting for gun practice and shifting ordnance at the Island of Orleans, Quebec, was attended by 52 officers, and detachments of seven men each from 22 Batteries. The practice was conducted on the same general principles as in the previous year, and the several competitions were entered into with great zeal and emulation. A considerable improvement in gun drill was noticed and a much more intelligent interest displayed on the part of officers and men in the objects and benefits proposed to be gained by this and similar meetings.

The conduct of all ranks throughout the meeting was uniformly good, and as a means of stimulating the interest of the Garrison Artillery in the acquirement of a practical knowledge of their duties, the importance of such meetings cannot be overestimated.

The details of instructional practice, at present limited to firing at a fixed target at a known range, are susceptible of considerable development, dependent, however, upon the previous instruction of the individual in elementary drills. The great advances in this direction made by many Batteries lead me to hope that a more advanced course of training may soon be undertaken by them with advantage. The expenses of the transport of all the detachments to and from this meeting were this year defrayed by the Government, and the Prize List and multifarious expenses connected with the expenses of such a large camp, such as camp allowances to each competitor, working pay for Staff, targets, range, fatigue parties, &c., were met by the Dominion Artillery Association, mainly out of a Government grant for this purpose.

In connection with the drill and training of the Garrison Artillery I desire most strongly to recommend for the favorable consideration of the proper authorities the advisability of placing all Batteries upon the same footing as regards their annual drill, and this for the following reasons, *viz* :—

The amount of drill and training, not only practical but also theoretical which is required to enable a Garrison Artillery man to become really efficient, cannot, by any possibility, be acquired even in twelve days annually—voluntary drills combined with competent instruction become an absolute necessity—these drills are encouraged and stimulated by even a very little recognition on the part of the Government—and also by the annual visit and close examination of the Inspecting Officer, whilst the withdrawal of this incentive to exertion every alternate year has had the undoubted effect in years past, of causing the demoralization and consequent inefficiency of many independent Batteries.

The rural or independent Batteries which are not necessarily called out for annual drill, are with one exception now only to be found in the Maritime Provinces—and when it is considered that for the defence of Halifax alone, the services of every artilleryman in these provinces would be required as auxiliary to the Royal Artillery at that station, the necessity of maintaining each Battery in as efficient condition as possible is all the more apparent.

Armament, Equipment and Ammunition.

With the exception of six 64 R.M.L. guns received from the Imperial Government no changes have been made in the armament during the year. The Sydney Field Battery are still armed with obsolete smoothbore guns; with the exception of four 64 pr. R.M.L. guns at Fort Dufferin, there are no serviceable guns on the defences of the harbor of St. John, N. B.

The nature and present condition of the armament at Quebec and Kingston is as reported during previous years.

The equipment of the Field Batteries is generally in a serviceable condition.

With the exception of cannon gunpowder, all the ammunition used, and in store, has been received from the Imperial Government on repayment. Several experiments have been made with the view of manufacturing common shell for 64 pr. and 9 pr. R.M.L. guns, at Quebec, but so far the pattern adopted, for use with gas checks instead of projecting studs, has not been found altogether satisfactory; there appears to be no reason however why common shells, similar to the service pattern, should not be so manufactured.

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

D. T. IRWIN, Lt.-Colonel,
Inspector of Artillery.

INSPECTION REPORT—ASSISTANT INSPECTOR OF ARTILLERY, QUEBEC,

QUEBEC, 5th November, 1888.

SIR,—I have the honor herewith to submit my report on the Field and Garrison Batteries of Artillery inspected by me in accordance with your orders during the year 1888.

The credits for general efficiency have been already sent forward.

Montreal Field Battery, Lt. Colonel Stevenson Commanding.

Inspected at St. Helen's Island, Montreal, on the 4th July. Found no falling off from its usual marked efficiency.

Horses good, but rather too heavy a class. Guns, carriages, harness, clothing and equipment in first rate order. Marching past, field manoeuvres, gun drill, answers to questions and Gzowski competition all good and very creditable to all ranks.

Their gun practice was performed at the Island of Orleans, Quebec, under my superintendence on the 17th September, when the high score of 594 was made.

Shefford Field Battery, Lt.-Colonel Amyrauld Commanding.

Inspected at Brigade Camp Sherbrooke, on the 6th July; men of fine physique, horses inferior, harness very old and not clean, but well fitted; guns, carriages and equipment in fair order. Clothing fair, but badly fitted. Forage caps well worn. No spurs. Serge trousers and no riding boots. Marching past and field manoeuvres in brigade with the Richmond Field Battery well done. Gun drill very good. Sword drill not done. Gzowski competition not done. Gun practice not performed this year.

Richmond Field Battery, Major Aylmer Commanding.

Inspected in Brigade Camp at Sherbrooke on the 6th July. Fine body of men. Horses fairly good. Harness old and dirty, but well fitted. Guns, carriages and equipment in fair order. Clothing badly fitted. No belts worn. Helmets worn. No spurs. Marching past and field manoeuvres in brigade with the Shefford Field Battery well done. Serge trousers and no riding boots. Gun drill very good. No sword exercise. No Gzowski competition.

Gun practice not performed this year.

Quebec Field Battery, Major Crawford Lindsay Commanding.

Inspected in Brigade Camp, at St. Thomas, on 13th July.

This Battery as usual turned out in a most smart and praiseworthy manner. Horses good and serviceable. Harness very old but in good order and fairly clean. Clothing very good and all the men properly booted and spurred. The boots are paid for by the men themselves.

Water bottles and haversacks complete. Guns, Carriages and equipment in good order. March Past and Field Manoeuvres very good.

Sword drill indifferent.

Gzowski competition not done on account of the heavy nature of the ground available for drill, which was of a nature to render fast work out of the question.

Gun practice performed at the Island of Orleans on 6th September.

Quebec Garrison Artillery, No. 3 Battery, Captain Morgan, Commanding.

Inspected at the Drill Shed, Quebec, on the 9th May, 1888, for the year 1887. Present Captain Morgan and Lieutenants Morgan and Panet and 41 Non Commissioned Officers and men. Their manual and firing exercises and marching past was very good, and the Battery was well turned out. The Gun drill and Company drill was not up to former standard. This Battery did not answer the official questions this year.

No. 1 Battery, Captain Roy Commanding.

No. 2 Battery, Captain Boulanger Commanding.

Inspected at the Drill Shed, Quebec, August 23rd. Both Batteries well turned out and smart, but deficient in accoutrements as formerly reported.

Manual and Firing and Gun Drill very good. Two detachments of each only at the latter. Company Drill fair, some very undersized men. No. 1 Battery Did not answer the official questions this year.

No. 1 Battery did not practice this year.

No. 2 Battery fired at the Island of Orleans Dominion Artillery Association.

Lévis Garrison Artillery, No. 1 Battery, Captain Martineau Commanding.

Inspected at No. 2 Fort Lévis, 6th August. This Battery was very creditably turned out, and their drill was uncommonly good, especially their Gun drill.

Some very small men. They are deficient of clothing and accoutrements, and had borrowed from other Batteries. Answers to questions very good.

Gun practice performed at the Island of Orleans, Dominion Artillery Association Meeting.

No. 2 Battery, Captain Vien Commanding.

Inspected at Lévis, 25th August, smart and well turned out. Gun drill fair. Manual and firing exercise very good. Some very small men. Deficient in clothing and accoutrements, and had borrowed from other Batteries.

Gun practice performed at Island of Orleans, Dominion Artillery Association meeting.

I have the honor to be, Sir,

Your obedient servant,

C. E. MONTIZAMBERT, Lt.-Colonel,

Assistant Inspector of Artillery, Quebec.

To the Inspector of Artillery, Headquarters,
Ottawa.

INSPECTION REPORT, ASSISTANT INSPECTOR OF ARTILLERY,
ONTARIO.

KINGSTON, 10th November, 1888.

SIR,—I have the honor to submit herewith my Report on the Batteries inspected by me during the year 1888.

The efficiency marks awarded each Battery I have previously forwarded you.

The average general standard remains about the same and the percentage of recruits is still large.

The following Batteries assembled in Brigade Camp at Gananoque, Lieut.-Col. B. Van Straubenzee, Deputy Adjutant General Commanding, and performed their duties in a highly satisfactory manner and with great cheerfulness:—

Ottawa Field Battery, Major Stewart Commanding.

Kingston Field Battery, Major Drennan Commanding.

Durham Field Battery, Major McLean Commanding.

Gananoque Field Battery, Lieut.-Col. Mackerzie Commanding.

Captain Bliss, of the Ottawa Field Battery, acted as my Brigade Major, rendering valuable assistance, much to my satisfaction.

The Non-Commissioned Officers, selected from the Batteries in camp, performed their several duties efficiently.

The weather was continuously fine, and excepting delay to the Ottawa and Durham Field Batteries on first day, owing to transport difficulties, no time was lost.

All four Batteries performed their annual gun practice while in Camp at a range of 2,000 yards.

I feel convinced from experience that a material alteration is necessary in the gun practice and distribution of ammunition.

These Batteries were all efficient, and the Kingston Battery, which still improves, had their equipment in excellent order, but were weak in number of Gunners. I fear, however, that in all Batteries year after year the reduced harness and stores are maintained at the expense of the proper Battery equipment which is not seen at annual drill.

While the improvement at the termination of the drill was most marked, still the prominent weak point is the lack of knowledge of the nature and use of ammunition and stores among the junior Non-Commissioned Officers and men. This of course, is due to the large number of recruits yearly and the impossibility in most Batteries of having voluntary drills.

In addition to the four Batteries already mentioned, there was in Brigade Camp attached to Artillery Brigade a 2 gun detachment from "A" Battery, Regiment of Canadian Artillery, under command of Captain Hudson.

The camping facilities at Gananoque were excellent, but the available space for Field Battery drill was exceedingly limited.

I herewith attach a Brigade State of Batteries in camp at Gananoque :—

ARTILLERY BRIGADE.

EFFECTIVE STRENGTH—CAMP GANANOQUE, 29TH JUNE, 1888.

| Battery. | Brigadier. | Brigade Major. | Majors. | Captains. | Lieutenants. | 2nd lieutenants. | Surgeons. | Vel. Surgeons. | Brigade Staff Sergeants. | Sergeants. | Corporals, Bombardiers. | Trumpeters. | Gunners and Drivers. | Total. | Horses. | Guns. |
|-------------------------------|------------|----------------|---------|-----------|--------------|------------------|-----------|----------------|--------------------------|------------|-------------------------|-------------|----------------------|--------|---------|-------|
| Staff | 1 | 1 | ... | ... | ... | ... | ... | ... | 3 | ... | 3 | ... | ... | 5 | 2 | ... |
| "A" Battery, Regt. C. A. | ... | ... | 1 | ... | ... | ... | 1 | ... | ... | 4 | 4 | 1 | 22 | 33 | 18 | 2 |
| Durham Field Battery | ... | 1 | * | 1 | 1 | 1 | ... | ... | ... | 7 | 4 | 1 | 64 | 80 | 29 | 4 |
| Gananoque do | ... | 1 | ... | 1 | 1 | 1 | ... | ... | ... | 7 | 4 | 1 | 57 | 75 | 29 | 4 |
| Kingston do | ... | 1 | ... | 1 | 1 | 1 | 1 | ... | ... | 7 | 4 | 1 | 42 | 60 | 29 | 4 |
| Ottawa do | ... | 1 | † | 1 | 1 | 1 | 1 | ... | ... | 8 | 4 | 1 | 60 | 78 | 29 | 4 |
| Total | 1 | 1 | 4 | 3 | 4 | 4 | 4 | 4 | 3 | 33 | 20 | 5 | 245 | 331 | 136 | 18 |

* absent without leave.

† Acting as Brigade Major.

NEWCASTLE FIELD BATTERY.

Lieut.-Colonel R. R. Call, commanding.

Inspected at Chatham on the 5th and 6th of July.

Efficient and composed of a fine body of men.

This Battery was the only one in Brigade Camp at Chatham.

Practice carried out on the 5th and 6th over ground adjacent to the camp. The junior Non-Commissioned Officers and men were not well up in care and use of stores.

WOODSTOCK FIELD BATTERY.

Major Dibblee, commanding.

Inspected at Woodstock on the 13th and 14 July.

Efficient and composed of a superior body of men. * The Battery was thoroughly well horsed. The field manoeuvres only fairly good.

There was a great lack of knowledge in regard to ammunition and stores among the junior ranks.

Practice was carried out on the 13th and 14th from the camp grounds.

The common shell supplied this Battery were fitted with gas checks.

The scores of all Field Batteries at the annual practice, I have submitted to you in compiled form.

I desire to suggest that in determining points towards "General Efficiency" prize, the number of Non-Commissioned Officers and men attending the annual drill be included in some such manner as is the score at practice.

COBBOURG GARRISON BATTERY.

Captain Dumble Commanding.

This Battery was inspected at Cobourg, on the 7th August and is very efficient, as far as the nature and state of their equipment permits.

They had three well drilled gun detachments in both "Common Standing" and "Siege Gun" drill.

The Manual and Firing Exercise was good and Company Drill fair.

A detachment from this Battery attended the Dominion Artillery Association meeting at Quebec, and on their way there stopped for two days at Kingston to become acquainted with the 40-pr. and 60 pr. guns.

The arms, accoutrements and clothing were in excellent order.

As this is the only Garrison Battery in the 3rd Military District, it is to be hoped it may be permitted to drill annually.

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

To the Inspector of Artillery,
Ottawa.

CREDITS AWARDED EACH BATTERY FOR GENERAL EFFICIENCY.

FIELD BATTERIES.

| Field Batteries. | Commanding Officer. | | Answers to printed Questions. | | | | | | | | | | | One-fifth Score, Gun Practice. | | Total. | Inspecting Officer. |
|------------------------------|---------------------|--------------------------|-------------------------------|---------------------------------|---------|-------------------------|---------------|------------|--------------|------------|-------------------------|-----------|-----------------|--------------------------------|-------|--|---------------------|
| | Full marks. | ..... | Clothing and Accoutrements | Guns, Carriages and Equip-ment. | Horses. | Harness and Harnessing. | Marching Post | Gun Drill. | Sword Drill. | Manœuvres. | Discipline and Camping. | Officers. | N. C. Officers. | 1 | 6 | | |
| Toronto | | Captain Beatty | 9 | 10 | 8 | 10 | 11 | 20 | 4 | 11 | 8 | 16 | 39 | 47.6 | 193 | Lieut.-Col. Irwin. | |
| Welland Canal | | Major King | 9 | 12 | 7 | 11 | 13 | 25 | 6 | 12 | 9 | 16 | 40 | 65 | 225 | do | |
| Hamilton | | Major Van Wagner | 11 | 15 | 10 | 15 | 13 | 27 | 8 | 14 | 9 | 36 | 64 | 56.8 | 280.8 | do | |
| 1st Brigade... { No. 1. | | Major Nicoll | 10 | 13 | 8 | 13 | 15 | 27 | 8 | 13 | 12 | 34 | 59 | 72.2 | 282.2 | do | |
| { No. 2. | | Major Hood | 11 | 13 | 9 | 14 | 12 | 20 | 3 | 9 | 12 | 34 | 53 | 68 | 268 | do | |
| London..... | | Lt. Col. Peters | 9 | 12 | 11 | 12 | 22 | 5 | 10 | 12 | 8 | 30 | 37 | 43.2 | 216.2 | do | |
| Sydney | | Major McLean | 9 | 8 | 6 | 8 | 13 | 20 | 6 | 9 | 8 | 30 | 15 | (b) | ..... | do | |
| Durham | | Major McLean | 10 | 12 | 12 | 14 | 13 | 20 | 6 | 12 | 8 | 25 | 59 | 54.4 | 245.4 | Lieut.-Col. Cotton. | |
| Gananoque | | Lt. Col. McKenzie | 8 | 10 | 10 | 10 | 12 | 16 | 4 | 12 | 8 | 29 | 24 | 75.6 | 218.6 | do | |
| Kingston | | Major Drennan | 11 | 16 | 10 | 16 | 14 | 14 | 4 | 12 | 10 | 37 | 37 | 39.4 | 220.4 | do | |
| Ottawa | | Major Stewart | 10 | 14 | 10 | 14 | 12 | 14 | 4 | 12 | 12 | 28 | 32 | 57.8 | 219.8 | do | |
| Newcastle | | Lt. Col. Call | 10 | 12 | 10 | 8 | 14 | 16 | 4 | 10 | 10 | ..... | 18 | 62.2 | 174.2 | do | |
| Woodstock..... | | Major Dibble | 10 | 12 | 12 | 12 | 10 | 16 | 4 | 10 | 10 | 24 | 64 | (a) 61.4 | 235.4 | do | |
| Montreal..... | | Lt. Col. Stevenson | 12 | 16 | 10 | 16 | 11 | 25 | 7 | 15 | 10 | 39 | 37 | 78.8 | 276.8 | Lt. Col. Montzambert | |
| Quebec..... | | Major Lindsay | 11 | 16 | 9 | 13 | 13 | 25 | 6 | 15 | 10 | 39 | 65 | (a) 55 | 267 | do | |
| Shefford | | Lt. Col. Amyrauld..... | 7 | 12 | 7 | 9 | 11 | 20 | .... | 14 | 10 | 26 | 22 | (c) | ..... | do | |
| Richmond | | Major Aymer | 6 | 12 | 8 | 9 | 11 | 20 | .... | 13 | 10 | 29 | 28 | (c) | ..... | do | |
| Winnipeg..... | | Major Coutlée..... | 4 | 16 | 10 | 15 | 15 | 2 | 4 | 14 | 12 | ..... | ..... | 86 | 203 | Lt.-Col. Villers, D.A.G., Dist. Staff | |

(a.) Fired with studless shell fitted with gas checks (b) Armed with S. B. Guns—practice cannot be compared. (c.) Did not perform their annual practice.

D. T. IRWIN, Lieut. Col.,
Inspector of Artillery.

CREDITS AWARDED EACH BATTERY FOR GENERAL EFFICIENCY,

GARRISON BATTERIES.

| Batteries. | | Commanding Officer. | | Full Marks. | | Clothing and Accoutrements. | | Manual and Firing. | | Company Drill. | | Gun Drill, 10 each Detachment. | | Discipline and Interior Economy. | | Answers to printed Questions. | | Total. | | Inspecting Officer. | |
|-----------------------|-------|---------------------|---|-------------|----|-----------------------------|---|--------------------|-------|----------------|-----------------------|--------------------------------|--|----------------------------------|--|-------------------------------|--|-----------------|--|---------------------|--|
| | | | | | | | | | | | | | | | | Officers. | | N. C. Officers. | | | |
| New Brunswick Brigade | No. 1 | Capt. Seeley. | 5 | 8 | 9 | 37 | 4 | 30 | 33 | 126 | Lieut. - Col. Irwin. | | | | | | | | | | |
| | " 2 | do Gordon. | 4 | 7 | 7 | 19 | 4 | 19 | 34 | 94 | do do | | | | | | | | | | |
| | " 3 | do Crawford. | 3 | 7 | 6 | 15 | 4 | 27 | 39 | 101 | do do | | | | | | | | | | |
| | " 4 | Lieut. Armstrong. | 5 | 8 | 9 | 38 | 4 | 12 | 43 | 119 | do do | | | | | | | | | | |
| | " 5 | Capt. Scammell. | 3 | 5 | 3 | 17 | 4 | 3 | 23 | 58 | do do | | | | | | | | | | |
| Halifax Brigade | No. 1 | Major Purcell. | 4 | 5 | 4 | 16 | 4 | 19 | 43 | 95 | do do | | | | | | | | | | |
| | " 2 | Lieut. Newman. | 4 | 5 | 4 | 13 | 4 | 16 | 40 | 86 | do do | | | | | | | | | | |
| | " 3 | Capt. Maxwell. | 5 | 7 | 3 | 16 | 4 | 19 | 35 | 89 | do do | | | | | | | | | | |
| | " 4 | do Botsford. | 4 | 6 | 4 | 8 | 4 | 10 | 18 | 54 | do do | | | | | | | | | | |
| | " 5 | Lieut. Bland. | 5 | 5 | 5 | 16 | 4 | 18 | 30 | 88 | do do | | | | | | | | | | |
| | " 6 | Capt. Parker. | 5 | 5 | 5 | 20 | 4 | 15 | 39 | 93 | do do | | | | | | | | | | |
| | " 7 | do Anderson. | 5 | 7 | 5 | 16 | 4 | 20 | 21 | 78 | do do | | | | | | | | | | |
| P. E. Island Brigade | No. 1 | do Morson (Acting). | 5 | 8 | 7 | 28 | 4 | 24 | 48 | 135 | do do | | | | | | | | | | |
| | " 2 | do Longworth. | 5 | 7 | 8 | 39 | 4 | ..... | ..... | ..... | District Staff. | | | | | | | | | | |
| | " 3 | do Owen. | 3 | 6 | 7 | 26 | 4 | ..... | ..... | ..... | do do | | | | | | | | | | |
| Cobourgh Battery | " 5 | Lieut. Fraser. | 3 | 6 | 7 | 27 | 4 | ..... | ..... | ..... | do do | | | | | | | | | | |
| | " 2 | Capt. Dumble. | 5 | 8 | 8 | 30 | 5 | 29 | 32 | 117 | Lieut. - Col. Cotton. | | | | | | | | | | |
| | " 1 | do Roy. | 4 | 9 | 4 | 18 | 5 | ..... | ..... | ..... | do Montserrat. | | | | | | | | | | |
| | " 2 | do Boulanger. | 4 | 8 | 7 | 19 | 5 | 22 | 39 | 104 | do do | | | | | | | | | | |
| Levis | " 3 | do Morgan. | 4 | 9 | 5 | 21 | 5 | ..... | ..... | ..... | do do | | | | | | | | | | |
| | " 1 | do Martineau. | 4 | 8 | 7 | 31 | 5 | 19 | 34 | 108 | do do | | | | | | | | | | |
| | " 2 | do Vien. | 4 | 7 | 6 | 21 | 5 | 21 | 18 | 82 | do do | | | | | | | | | | |
| Yarmouth Battery | " 3 | do Jolly. | 5 | 10 | 10 | 40 | 3 | 19 | 48 | 131 | District Staff. | | | | | | | | | | |

D. T. IRWIN, Lieut.-Col.,
Inspector of Artillery.

SUMMARY OF TARGET PRACTICE RETURNS.
FIELD BATTERIES—9-PR. R. M. L. GUNS.

| Battery. | Preliminary. | Final. | Aggregate. |
|--------------------------------|--------------|--------|------------|
| Winnipeg | 252 | 178 | 430 |
| Montreal | 225 | 169 | 394 |
| Gananoque | 211 | 167 | 378 |
| 1st Battery, 1st Brigade | 231 | 131 | 362 |
| 2nd Battery, 1st Brigade | 194 | 146 | 340 |
| Welland Canal | 109 | 156 | 325 |
| Newcastle | 167 | 144 | 311 |
| Woodstock | 152 | 155 | 307 |
| Ottawa | 157 | 132 | 289 |
| Hamilton | 175 | 109 | 284 |
| Quebec | 168 | 107 | 275 |
| Durham | 166 | 106 | 272 |
| London | 162 | 80 | 242 |
| Toronto | 115 | 123 | 238 |
| Kingston | 119 | 78 | 197 |

GARRISON BATTERIES AT LOCAL HEADQUARTERS—64-PR. R. M. L. GUNS.

| | | | |
|---|----|----|-----|
| New Brunswick Brigade { No. 2 Battery | 52 | 54 | 106 |
| { No. 3 do | 72 | 38 | 110 |
| Halifax Brigade { No. 1 Battery | 55 | 43 | 98 |
| { 4 do | 49 | 23 | 72 |
| { 7 do | 44 | 38 | 82 |

GARRISON BATTERIES AT ISLAND OF ORLEANS, QUEBEC.

| Battery. | 64-Pr. R. M. L. | 40-Pr. R. B. L. | Remarks. |
|---|--------------------|--------------------|---|
| Cobourg Battery | 56 | 80 | Each detachment consists of 7 Non-Commissioned Officers or Gunners, 4 of whom fired five rounds each from the 64-pr. and four from the 40-pr. |
| Montreal Brigade { No. 1 Battery | 72 | 46 | |
| { 2 do | 67 | 64 | |
| { 3 do | 49 | 26 | |
| { 4 do | 83 | 63 | |
| { 5 do | 63 | 56 | |
| No. 2 Brigade, Quebec | 76 | 59 | Range, 64-pr., 1,800 yards. do 40-pr., 1,600 do |
| 1 do Lévis | 94 | 85 | |
| 2 do do | 117 | 87 | |
| New Brunswick Brigade { No. 1 Battery | 56 | 58 | |
| { 3 do | 91 | 91 | |
| { 4 do | 80 | 45 | |
| Halifax Brigade { No. 2 Battery | 91 | 92 | |
| { 3 do | 91 | 72 | |
| { 5 do | 125 | 97 | |
| { 6 do | 47 | 91 | |
| Digby Battery | 86 | 43 | |
| Yarmouth Battery | 94 | 75 | |
| P. E. Island Brigade { No. 1 Battery | 63 | 83 | |
| { 2 do | 67 | 70 | |
| { 3 do | 100 | 68 | |
| | 78 | 73 | |

In addition to the above the following fired:—

Field Artillery, 42 Officers, three rounds each.

Garrison Artillery { I. of O., 31 Officers.

{ Local Headquarters, 10 Officers.

D. T. IRWIN, Lieut.-Col.,

Inspector of Artillery.

APPENDIX No. 5.

ANNUAL REPORT OF THE INSPECTOR OF ENGINEERS.

KINGSTON, 10th December, 1888.

SIR,—I have the honor to submit the following report of my inspection of the Companies of Engineers during the present year, for the information of the General Officer Commanding.

BRIGHTON ENGINEERS.

2. I had the opportunity of seeing this Company for several days at the beginning of July in the Brigade Camp at Chatham, N.B., where it was present in full strength. As in previous years I was much pleased with what I saw. All work was done in a thorough and soldierlike manner, but the want of a proper equipment of tools was again much felt.

3. I noticed a marked improvement in the extended order movements. In the Engineer work, in addition to the heavy piece of floating bridging (see Appendix) done in competition for the Gzowski Challenge Cup, I saw a field redoubt intelligently traced and profiled.

CHARLOTTETOWN ENGINEERS.

4. This Company was inspected at Charlottetown on the 9th July, when it paraded at its full strength. On previous occasions my inspection of this Company has been made later in the year, but I was anxious this year to include the inspections of both the Brighton and Charlottetown Companies in one journey. Taking into consideration therefore the comparatively short time available for practice I was very well satisfied with the Infantry drill.

5. For Engineer work a field redoubt for half a Battalion was traced and profiled. It was fairly well done, but the want of organization in carrying out the engineer work was most noticeable and will, I am convinced, always exist until this Company is able to go into camp for a few days every year.

6. I regret to say this Company did not enter for the Gzowski Competition, but this was, I believe, due in part at any rate to the early date of my inspection.

MONTREAL ENGINEERS.

7. This Company was inspected on the 6th October. The morning was spent in watching the signallers at work. In the flag signalling I thought considerable improvement has been made; but the work with the heliographs was unsatisfactory. This was however due more to faults in the instruments than in the operators.

8. The Inspection took place in the afternoon and was, I regret to say, very unsatisfactory.

9. I understand that a portion of this company has encamped at St. Helen's Island for several days at different dates during the summer and constructed some field works, but the limited time at my disposal prevented me from seeing what had been done.

10. I beg to call attention to the urgent need of sand for the modelling room in the Drill Hall.

11. This Company did not enter for the Gzowski Competition.

GENERAL REMARKS.

12. If possible I think it would be very desirable for the Brighton and Charlottetown Companies to be assembled together in camp for training next year either at some point near Summerside, P.E.I. or near Pt. du Chene, N.B. This would enable large working parties to be formed, would give the Charlottetown Engineers the much needed experience of practical work on a comparatively large scale and would enable me to inspect both Companies at the same time without placing either at a disadvantage. The beginning of August would, I believe, be a date convenient for both Companies.

13. The Montreal Engineers also need a week or two of real practical work in camp and I would suggest therefore that this Company be trained in camp next year at some spot well clear of the city. If the distance is not too great Kingston would undoubtedly be the best place, as there permission could no doubt be obtained to make use of the Engineer Stores and Materials at the R. M. College. This was done some years ago with, I believe, good result. Some time in the month of July would be the best date.

14. In conclusion I beg once more to call attention to the very unsatisfactory state of the Engineer Branch of the Militia.

15. According to last year's returns the authorized strength of the Engineers, was 179 out of a total authorized strength for the Militia of 37,799, *i.e.*, less than one-half per cent.

16. The Companies have no proper equipments of Engineer tools and materials and the facilities for doing Engineer work are insufficient.

17. The training is far too short. Twelve days is little enough for Infantry, for Engineers it is utterly inadequate.

18. Much has recently been done by the institution of Schools of Instruction and in other ways to increase the efficiency of all the other arms of the service, and I beg now to urge that some attention may be given to the needs of the Engineers. If Engineers are to be retained at all I think it is indisputable that the proportion should be at once largely increased. I do not think this need involve much or perhaps any increase to the strength of the Militia. Much might be done by converting existing companies of Infantry and giving a proper equipment and a reasonable amount of encouragement. I think there would be plenty of companies ready to volunteer for conversion into Engineers.

19. Any scheme for increasing the Engineer force I think the following classification should be adhered to:

1st. Submarine mining companies for coast defence at such places as—

Quebec.

St. John, N.B.

Halifax.

Charlottetown (an Engineer Co. here).

2nd. Pioneer or Field Companies to be rural Companies recruited as far as possible from lumbermen, &c. with a proportion of mechanics. The Brighton Company is a sample of what is wanted. The numbers and Headquarters of these companies would depend upon the general organization and mobilization arrangement of the militia.

3rd. City Engineer Companies composed of the proper proportions of skilled mechanics of various trades—at important commercial and railway centres such as

Montreal.

Kingston.

Toronto.

Winnipeg, &c.

20. Finally an Engineer School of Instruction is needed, for which Kingston would undoubtedly be the best spot. If formed there it might be of great assistance

in the instruction in Military Engineering of the Cadets and Long Course Officers at the R.M. College. And it might also perhaps be employed in keeping the Existing Fortifications there in repair.

I have the honor to be, Sir,

Your obedient servant,

STUART DAVIDSON, Captain, R.E.,
Inspector of Engineers.

The Adjutant General of Militia,
Ottawa.

APPENDIX "A."

GZOWSKI ENGINEER COMPETITION, 1888.

1. I regret to say that only one Company, the Brighton Engineers, entered for the competition. The work done by them was, however, so satisfactory that I had no hesitation in awarding them the first prize. What they did shows once more what they might do with a proper equipment of tools, &c., and an adequate time for training.

2. A full description of the work done will be found in the attached project sent in by the Officer Commanding.

3. I cannot refrain here from referring to the generous and patriotic assistance given by J. B. Snowball, Esq., of Chatham, N. B., in placing at the disposal of the Engineers the whole of the material required for the construction of the bridge.

4. I append a copy of the conditions of the competition.

STUART DAVIDSON, Captain, R.E.,
Inspector of Engineers.

December 10, 1888.

CONDITIONS OF GZOWSKI ENGINEER COMPETITION, 1888.

Idea. The officer commanding the Engineer Company receives orders to construct a floating bridge across a certain river; the bridge to be capable of taking 9-pr. field guns passed over by hand. He is also informed that in six hours time if the bridge itself is incomplete he must be prepared to pass the guns of one battery over by means of a raft.* The bridge in this case to be completed as soon as possible afterwards.

The work for this year's competition will be the construction of this floating bridge and its immediate approaches—the complete bridge if possible, but if not, then as much of it as possible, together with the rafting arrangements for passing over the guns of one battery.

Instructions. The commanding officer will select the most convenient spot for the bridge which he can obtain permission to work upon.

He will furnish a sketch plan of the proposed bridge and its approaches; this proposed bridge should be as accurate as circumstances will permit.

He will also furnish a general description of the work he proposes to do, with any special statements which he may consider necessary. This description must include a detailed calculation showing that the floating piers have sufficient buoyancy, and also a table showing approximately the distribution of the working parties, the tools and materials they will require, &c., &c. In preparing the above sketch plan and project, the commanding officer should avail himself as much as possible of the assistance of his subaltern officers and senior non-commissioned officers.

His attention is especially directed to the following points, viz., the nature of the banks and approaches, the section of the stream, the strength of the current or tide,

* The horses of this battery must swim over.

the liability to floods or fluctuations of water level, the liability of bridge to damage by drift wood, &c., the necessity for making cuts in bridge, &c., &c.

Finally, special attention is directed to Rules 2 and 4* of the Competition, published on page 160 of the Militia Report for 1885.

STUART DAVIDSON, Captain, R.E.,
Inspector of Engineers.

ROYAL MILITARY COLLEGE,
KINGSTON, 20th May, 1888.

NOTE.—See also alternative task on next page.

* Rules 2 and 4 of the Competition are as follows:—

No. 2. Each company entering for the prizes will, at the annual inspection, execute as a company some full sized engineer work, which shall be designed as a 6 hour relief for the full sanctioned strength of the company. No allowance will be made for incompleteness of work due to the company being below its proper strength.

No. 4. The award of the prizes will be based upon the comparative excellence of the companies in the following respects. No award being made if no company is considered to be worthy of the prize:—

(a.) The design of the practical details of the work and the general distribution of working parties and stores.

(b.) Skilful utilization of ground and resources available.

(c.) The laying out of the work and the supervision by the non-commissioned officers of their squads.

(d.) The method, order and regularity with which the work is commenced and carried on.

(e.) The thoroughness of the work when reported complete by the officer commanding and the time occupied.

ALTERNATIVE.

In the event of it being impossible to attempt the construction of a floating bridge, then the following alternative task may be undertaken; but it is to be clearly understood that this may only be done when otherwise, owing to circumstances beyond the control of the officer commanding, the company would be unable to compete.

The alternative task will be the construction of a defensible bridge head to be occupied and defended by the company.

Instructions. The commanding officer will select the most convenient spot he can obtain permission to work upon and will mark clearly out on the ground the position of the bridge which is to be defended, and of the river as well, should it too be imaginary.

He will furnish a sketch plan of the bridge and its proposed defences; this should be as accurate as circumstances will permit.

He will also furnish a general description of the work he proposes to do, with any special details which he may consider necessary. This description must include a table showing approximately the distribution of the working parties, the tools and material they require, &c., &c. In preparing the above sketch plan and project the commanding officer should avail himself as much as possible of the assistance of his subaltern officers and senior non-commissioned officers.

STUART DAVIDSON, Captain, R.E.,
Inspector of Engineers.

ROYAL MILITARY COLLEGE,
KINGSTON, 20th May, 1888.

**PROJECT SENT IN BY THE OFFICER COMMANDING THE COMPANY
WINNING 1ST PRIZE.**

*From the Officer commanding Brighton Engineers to the Inspector of Engineers, dated at
Camp Chatham, New Brunswick, 4th July, 1888.*

SIR,—In accordance with your instructions, I have the honor to report:—

1. That the following is the Parade State of the Company under my command:—

BRIGHTON ENGINEERS—PARADE STATE, CAMP CHATHAM, N.B., 4th July, 1888.

| Distribution. | Officers. | N.-O. Officers. | Buglers. | Sappers. | Total. | Remarks. |
|--------------------------------|-----------|-----------------|----------|----------|--------|----------|
| On parade | 2 | 9 | 1 | 27 | 39 | |
| Sick | 1 | | | | 1 | |
| Camp police..... | | | | 1 | 1 | |
| Picquet and guard..... | | | | 2 | 2 | |
| Cook and servant..... | | | | 2 | 2 | |
| Total authorized strength..... | 3 | 9 | 1 | 32 | 45 | |

2. I propose to build a floating bridge capable of carrying a 9-pr. R.M.L. gun passed on hand, across the basin from the south shore of the Miramichi River to the Ballast Wharf, a distance of about 330 feet, exact distance will depend upon the state of the tide. Bridge to be built of logs (each about 16 feet in length) one log wide, laid close and parallel to the shore, held in place by boom poles or 3 inch deal laid lengthwise and on each side of the whole length of the bridge at about seven feet from the centre of bridge and fastened by wooden pins. Between these boom poles or deals 3 inch deals to be laid askew at intervals of about two feet for the Gunners to walk on. On the top of deals placed for Gunners to walk on two rows of 3 inch deals, each nine inches wide, to be placed lengthwise of the bridge, the inner edges of such deal to be two feet two inches from the centre of the bridge. The latter deals are for the wheels of gun to run on. No anchor being available, the bridge will be kept in position by rope lines fastened in the best way the circumstances will admit of.

3. I have obtained permission from J. B. Snowball, Esq., to use a quantity of hemlock, spruce and cedar logs boomed near the railway wharf, which I intended to have towed up by a squad of the working party to the site of the bridge. I have also obtained permission from Mr. Snowball to use a quantity of deals at his mill above the site of the bridge, which I intend to have rafted and towed down to the site of the bridge by another squad of the working party. I will probably use about 350 logs and 250 deals and boom poles. Mr. Snowball has also placed a small boat at my disposal.

I have the following tools:—

6 peevies or cant dogs.

6 pike poles.

1 dog line and 25 timber dogs.

1 cross cut saw.

2 augurs.

1 measuring tape.

All the axes, pikes and shovels necessary.

4. From actual experience of these kinds of logs, I feel positive that the bridge will have sufficient floating power for the purpose for which it is to be built.

5. I propose to make the following distribution of my officers, men and tools:—

| Work. | Officers. | N.-C. Officers. | Bugler and Sappers. | Total. | Tools. | | | | | | |
|--|-----------|-----------------|---------------------|--------|------------|-------------|--------------------|----------------|---------|-------|-------|
| | | | | | Cant dogs. | Pike poles. | Dog line and dogs. | Cross cut saw. | Augers. | Axes. | Boat. |
| Superintendence | 1 | | | 1 | | | | | | | |
| Rafting and towing up logs | 1 | 3 | 8 | 12 | 2 | 2 | | | | | |
| Forming bridge | | 1 | 8 | 9 | 4 | 4 | 1 | | 2 | | |
| Making pins..... | | 1 | 3 | 4 | | | | 1 | | 2 | |
| Carrying and towing rafting deals..... | | 4 | 8 | 12 | | | | | | | 1 |
| Bugler | | | 1 | 1 | | | | | | | |
| Working party | 2 | 9 | 28 | 39 | 6 | 6 | 1 | 1 | 2 | 2 | 1 |
| In Camp per state..... | 1 | | 5 | 6 | | | | | | | |
| Total strength | 3 | 9 | 33 | 45 | | | | | | | |

6. At the commencement the "Forming Bridge" party will raft and tow up sufficient logs to commence work with. When the party "carrying, towing and rafting deals" get a sufficient quantity of deals at the site of bridge, they will be employed part laying the deals and the remainder preparing approaches.

7. If I had nine pike poles and augers I think the work could be carried on more advantageously.

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

D. McLEOD VINCE, Capt. and Major,
Commanding Brighton Engineers.

APPENDIX No. 6.

ANNUAL REPORT OF "A" TROOP, CAVALRY SCHOOL CORPS, AND ROYAL SCHOOL OF CAVALRY.

CAVALRY BARRACKS, QUEBEC, 1st December, 1888.

SIR,—I have the honor to submit for the information of the General Officer Commanding my annual report respecting the Royal School of Cavalry and the Crps under my command.

The Corps has had the honor of being inspected by His Excellency the Governor General, who has graciously presented a prize for competition among the rank and file, to be awarded to the best soldier.

The Administrator of the Government, Lieut. General Sir John Ross, K.C.B. also, when here, inspected the School and expressed himself as much pleased.

The annual inspection by the General Commanding, Sir F. Middleton, K.C.M.G., C.B., was made on the 20th July, who was good enough to say he was satisfied.

The Hon. Minister of Militia has also honored the School and shown the interest he takes in the force by frequent visits to both the barracks and stables.

I am pleased to be able to report that one of the disadvantages under which this School has been conducted since its organization, of having no permanent quarters, has been remedied, and that we now occupy most complete and comfortable barracks and stables; the buildings which were recently the Provincial Armory and as Officers Quarters, the building in front facing St. Louis Street formerly the Governor General's Office. All this property belonged to the Dominion Government and has been adapted to the wants of the School at very little expense compared with erecting new buildings. To complete the same, however, we still require married quarters for the men, gymnasium, canteen, hospital, forge, guard-room, cells, and a separate building for an hospital stable, in order that any sick horse may be at once isolated if necessary.

The delay in moving from the Point Lévis Camp until the middle of last January was unavoidable, owing to the new quarters not being ready for occupation, and although the cold was intense, with much snow, still both men and horses having sound constitutions fortunately no serious illness resulted.

The difficulty, however, of conducting this School with so small an establishment is now greater than ever—thirty-one privates being the established strength. These men are overtasked, they have not only to take charge of the thirty horses, but also supply officers' servants and batmen, cooks, mess waiters, orderlies, clerks, guards, stable picquets, saddler, carpenter, veterinary and other employed men, and deduct the sick in hospital, prisoners and recruits; besides performing the very heavy fatigues such as sawing and splitting firewood, snow shovelling, &c., it is, therefore, little wonder that the loss of trained men this year has been unusually large, and that one-half of the total strength are recruits.

I therefore again beg that an additional 20 men may be added to the establishment of the Quebec School which is really in the interest of economy, because each recruit enlisted to replace a deserter costs \$100 simply for his outfit.

There has also been a marked decrease in the attendance at the School this year as will be seen on reference to the following :—

RETURN of Certificates and Attendance.

| Rank of those Attached. | Grade A. | | Grade B. | | Attendance | Special Course. | | Equitation. | Total. | Remarks on the course of Instruction. |
|-------------------------|----------|-----|----------|-----|------------|-----------------|------|-------------|--------|---------------------------------------|
| | 1st | 2nd | 1st | 2nd | | 1st. | 2nd. | | | |
| Officers | 1 | 1 | | | | 2 | | 1 | 5 | Short Course. |
| do | 3 | | | | | | | | 3 | Long Course. |
| Sergeants | | | 1 | | 1 | | | | 2 | |
| Corporals | | | 5 | 3 | | | | | 8 | |
| Privates | | | 2 | 3 | 7 | | | | 12 | |
| do | | | | | | | | | 13 | No Certificate. |
| Trumpeters | | | | | | | | | 1 | do |
| Total.. .. | 4 | 1 | 7 | 7 | 8 | 2 | | 1 | 44 | |

The changes in the Corps are as follows :—

| | |
|--|----|
| Recruits enlisted..... | 20 |
| Re-enlisted..... | 0 |
| Discharged on completion of service..... | 3 |
| do by purchase..... | 7 |
| do unserviceable..... | 1 |
| Deserted | 8 |

The total average, by careful measurements, at this date, of the whole Corps, is as follows, viz. :—

| | |
|---------------------|------------------------|
| Average height..... | 5 feet 7½ inches. |
| do weight..... | 10 stone 12 lbs. |
| do chest..... | 36½ inches. |
| do age..... | 24 years and 6 months. |

No married men are enlisted into this Corps, nor are any of the rank and file permitted to marry during their term of service, and nothing can exceed the general good conduct and *esprit de corps* which exists. There has been but one court martial during the year, and altogether there are only ten (10) entries in the Regimental Defaulters book for the same period of time.

Average weight carried on the horse in Marching Order :—

| | Stone. | lbs. | oz. |
|--|--------|------|-----|
| Carbine..... | 0 | 7 | 0 |
| Sword belt and sword..... | 0 | 5 | 12 |
| Pouch belt, pouch and ammunition | 0 | 3 | 8 |
| Cloak and cape..... | 0 | 9 | 6 |
| Valise complete..... | 0 | 7 | 6 |
| Saddlery, collar chain and log..... | 2 | 10 | 8 |
| Corn sack and nose-bag..... | 0 | 3 | 8 |
| Average weight of man..... | 10 | 12 | 0 |
| Total average in C.S.C..... | 16 | 3 | 0 |

Winchester Carbine :—

| | lbs. | oz. |
|---|------|-----|
| The weight of a Winchester Carbine..... | 8 | 6½ |
| 30 rounds of ammunition for do | 2 | 8½ |

Riding School.

The want of a Riding School last winter was a serious matter, but the removal and the conversion of the old Drill Shed into a Riding School has given us much that is necessary under this head and will prove a great advantage to the school.

I have also constructed an open manège close to the stables which can be used in dry weather, but although a riding instructor formed part of the establishment of both "A" and "B" Batteries of Artillery and also of the Mounted Infantry School such an indispensable Non-Commissioned Officer has up to the present time not been sanctioned.

Officers Mess.

As the new officers quarters have every possible convenience for the establishment of an officers mess on a suitable scale, I have enlarged the temporary scratch mess, which is all that it has so far been possible to attempt in the Corps in this connection, into something more pretentious; and am now engaged in furnishing this important addition to the comfort of the officers.

In the meantime an arrangement was made by me with the Garrison Club next door, to mess the Cavalry officers there at the rate \$20 per month each, which is satisfactory enough up to a certain point, still I consider that this Corps should possess its own officers mess.

Sergeants Mess.

An excellent Sergeants Mess has been established completely furnished with every convenience.

This mess has a proper cook detailed from among the men, and although the dining members are few, the regulations and customs of the service in regard to the same are strictly carried out, the daily cost of messing averages 15 cents.

The gas has also been introduced into this mess at the cost of the Sergeants themselves as a matter of economy, and the whole management reflects the highest credit upon the Non-Commissioned Officers of this corps, and presents, I believe a perfect model to the force at large of what a Sergeants' Mess should be.

Troop Messing.

One of the most important matters in connection with maintaining the soldiers in a constant state of efficiency being that he shall be properly fed. I am fortunate in possessing an excellent troop cook, and whenever a man can be spared from other duties I invariably detail an assistant cook to learn the art. The number of men on the establishment being few they all dine together in one mess and the extra cost to each man is 6 cents per diem.

Library and Recreation Room.

The new library is a great comfort to the men and a gentleman of Quebec having presented the school with 300 standard books, it is much frequented of an evening and helps to keep the men in barracks. The usual \$20 granted by Regulations and Orders of Militia was received and expended with much care. In addition to other amusements cricket and foot-ball have been encouraged on holidays, and a deep debt of gratitude is due by us one and all to His Excellency the Governor General for his kindness in encouraging these games by his presence, and active and liberal support in creating matches, on most of which occasions he also provided a very substantial lunch.

Canteen.

It is impossible to establish a Canteen at present, but no inconvenience exists; as the groceries are supplied by a contractor, and a room next to the Sergeants' Mess

has been detailed and furnished with table and chairs where the men can have their beer and smoke, drawing what they require from the Sergeants mess at stated hours, as fixed by Queen's Regulations for Canteens—no spirits whatever are allowed; and the arrangement works admirably with the very superior class of young men who constitute the rank and file of this School. The total fines for drunkenness during the past year only amounted to \$1.22, and every few months the small profits arising from the sale of this beer is expended by the Sergeants Mess Committee for the benefit of the men in some suitable and satisfactory way in accordance with the custom of the service, and under my own personal supervision.

Quartermaster's Stores.

The daily duties and monthly returns and books connected with the Quartermaster's department certainly require that a Quartermaster Sergeant should form part of the establishment of this school in common with all the other Military Schools of Instruction, while all the duties and returns are expected to be performed like the other Schools who each have a Quartermaster Sergeant, and four of them have in addition also a Quartermaster.

Latrines.

There were no proper latrines in these barracks nor water closets for the married Sergeants and their families, but I am pleased to be able to report that this important sanitary requirement has now been supplied.

Veterinary.

Professor I. E. Couture, Veterinary Surgeon, continues to perform all the work necessary with the few horses in possession of the Corps most satisfactorily, at a minimum of expense, and has commenced a weekly winter course of lectures on Veterinary work, which are of so great value and importance to every one who is connected with the charge of horses, that I have invited through the Deputy Adjutant General of the district the attendance of any officers of the Active Militia desirous to take advantage of so rare an opportunity for instruction in the science.

Saddlery.

The new saddlery has been manufactured under my own personal supervision and is quite equal to any hitherto imported from England, the leather is a very superior article, oak-tanned from Ontario; the fittings are imported, and the work is done in Quebec in the most satisfactory manner. The weight of a complete set of this saddlery, including the bridle, collar-chain and log is 2 stone 10 lbs. 8 oz. The average duration too of the same in daily constant use in time of peace, with little repairs, should be about twelve years, and with the volunteer Troops of Cavalry, with the limited number of annual drills this saddlery should with proper care be serviceable for forty years.

Clothing.

The clothing received of Canadian make continues fairly satisfactory; the complaint I made last year of a better quality and make in the riding pantaloons is I believe being remedied by having them made of the same material which has given entire satisfaction I understand in North-West Mounted Police and Mounted Infantry. The last lot of Tunics, however, of Hamilton make, are badly cut, and the yellow braid is not put on quite according to regimental pattern.

Musketry Instruction.

The Winchester Rifles formerly in possession of the Corps have been returned into store, and replaced by Sniders from Winnipeg; I cannot report upon them

as it has been impossible to perform any target practice this year, much of the daily routine of barrack duties having to be left undone from the want of a sufficient establishment of men to do more than take care of and exercise the horses.

Signalling.

The importance of instruction in Army Signalling is being very thoroughly taught, and the class in flag signals has done very good and efficient work.

I have quite recently fitted up a Pigeon Loft over the Officers' stables to breed and train carrier pigeons.

Next year it is my earnest desire to add Heliographic and Military balloon instruction to this important department of Cavalry work in modern warfare.

Permanent Officers.

I desire to point out how impossible it is to carry out a proper system of regimental instruction unless a sufficient number of duty officers be given me. The greater part of this year there have been no attached Officers, so that I have had only the establishment of two subalterns to do everything with. One of these Officers has to act as the Adjutant and Quartermaster, which duties fully occupy his time, and the other officer therefore is all I have left to hold Regimental Court Martials, Boards, Courts of Inquiry, Orderly Officers duties, and all the multitude of duties and regulations comprised in the Queen's Regulations for the internal economy of a regiment, in addition to all the orders laid down in the R. & O. Mil., which are to be observed in the government of these Military Schools of Instruction. As each of these Officers too becomes entitled to his leave of absence at certain periods, these difficulties are increased. I hope, therefore, an increase in duty officers will be given to this School.

Chargers.

The regulations which govern the Permanent Corps state that forage will only be allowed to Commandants and other Cavalry Officers but for one horse each, which is pretty much the same as saying that a Cavalry Officer should only keep one charger. Now an Officer's horse is constantly liable to accidents, illness and lameness, like any other horse, so that practically any Officer who stands out on the principle of these regulations, will at times be unable to perform his duties, unless he takes a troop horse from the ranks, which means reducing the mounted strength of the Corps. It is therefore most advisable that this rule be amended to cover at least two horses forage for each Officer.

The Imperial regulations, which are based upon long experience, are as follows:—

| | At Home. | In the Field (Extra). |
|----------------------------|----------|-----------------------|
| Field Officers..... | 4 horses | 2 bât horses. |
| Captains and Adjutant..... | 3 do | 1 do |
| Subalterns | 2 do | 1 do |

and no Officer can be considered at all times as efficient with less than this scale, and as he has to purchase his own horses at his own expense, and the number of men in every nation that are suitable to be Cavalry leaders being so very limited, it would seem to be true economy to supply them with forage for their horses.

Instruction Outside of the School.

Several applications were received from various camps this year for Sergeant Instructors, but owing to the heavy duties connected with the Corps it was impossible to spare anyone, this is to be regretted as it means another year lost.

Sergeant Major Baxter, however, continues to act as Instructor to the local Squadron of Cavalry in Quebec.

Long Course.

Two Officers have been attached this year for a "Long Course" of instruction and attended the regular course at the Royal Military College where both obtained 1st Class certificates, one Captain Wedderburn, 8th Regiment New Brunswick Cavalry, obtaining the highest number of marks in the class.

General Remarks.

Why the soldier should not be treated with the same liberality and fairness as other servants of the public is a question I am often asked? Certainly those men who marry with leave and in accordance with R. & O. Mil. should be allowed quarters and rations for their families, as is the custom in the British Army; and there should also be some system of pensions introduced as an encouragement for good men to remain, and a few civil posts might be reserved to be filled by men who had served a certain time in the permanent Corps. Wisdom suggests rewards for good and active soldiers as a spur of energy, instead of the Spartan theory; because if the honorable desire for distinction be only judiciously excited it can easily be turned into a very useful military engine. My very efficient Staff are not exempt from the weakness of human nature in this respect, and it is a sore trial to their pride and chivalry and excellence in arms, to pass so many years without advancement; and if these Military Schools are to remain pre-eminent as nurseries of military education and discipline, they should be made to depend upon the institutions themselves rather than on the lines of their leaders.

I again desire to bring to your notice the names of Lieut. and Adjutant Heward, Lieut. and Bt. Captain Lessard, Sergeant Major Baxter, and Sergeant Instructors Dingley and Hamel.

I also desire to record the valuable services rendered by Surgeon Colin Sewell and my thanks are particularly due to Lieut.-Colonel Forrest, District Paymaster, for his invariable courtesy and kindness in the discharge of his duties.

J. F. TURNBULL, Lieut.-Colonel,
Commandant, Royal School of Cavalry.

The Adjutant General of Militia,
Ottawa.

APPENDIX No 7.

ANNUAL REPORT ON THE REGIMENT OF CANADIAN ARTILLERY AND ROYAL SCHOOLS OF ARTILLERY.

OTTAWA, 15th December, 1888.

SIR,—I have the honor to forward herewith, for the information of the Major General Commanding the Militia, the Annual Reports of the Commandants of the Royal Schools of Artillery for the year ending 15th December, and to report as follows:—

REGIMENT of Canadian Artillery.

| | Batteries. | | | | | | Total. | |
|-------------------------------------|------------|-----------------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| | "A" | | "B" | | "C" | | | |
| | Officers. | N.-O. O. and Gunners. | Officers. | N.-O. O. and Gunners. | Officers. | N.-O. O. and Gunners. | Officers. | N.-O. O. and Gunners. |
| Authorized establishment..... | 9 | 151 | 9 | 161 | 7 | 100 | 25 | 412 |
| Present strength | 8 | 138 | 10 | 143 | 7 | 86 | 25 | 367 |
| Enlisted, or re-enlisted. | | 109 | | 58 | | 8 | | 175 |
| Discharged by purchase. | | 11 | | 14 | | | | 25 |
| do as unsuitable..... | | 5 | | 2 | | 1 | | 8 |
| do as invalided. | | 3 | | 3 | | 1 | | 7 |
| Deserted..... | | 51 | | 29 | | 17 | | 97 |
| Deaths | | 2 | | 2 | | | | 4 |
| <i>Joined for Instruction.</i> | | | | | | | | |
| Long Course..... | | 1 | | 3 | | 2 | | 6 |
| Short do | 1 | 45 | 3 | 35 | | 13 | 4 | 93 |
| Special do | | | 17 | | | | 17 | |
| Royal Military College Course | 10 | | | | | | 10 | |
| Engineer Course | | 10 | | | | | | 10 |
| <i>Certificates Granted.</i> | | | | | | | | |
| Long Course, 1st Class..... | 1 | 1 | | 1 | | | | 1 |
| do do 2nd do | | | 1 | | | | 1 | |
| Short do 1st do | 1 | 11 | 4 | 17 | 1 | | 6 | 28 |
| do do 2nd do | | 9 | 1 | 12 | | | 1 | 21 |
| Special do 1st do | | | 9 | | | | 9 | |
| do do 2nd do | | | 4 | | | | 4 | |
| Engineer do Long..... | | 1 | | | | | | 1 |
| do do Short 1st..... | | 5 | | | | | | 5 |
| do do do 2nd..... | | 2 | | | | | | 2 |
| R. M. C. do 1st..... | 3 | | | | | | 3 | |
| do do 2nd..... | 6 | | | | | | 6 | |

1. As will be noticed by the foregoing statistics and those of previous years, there is annually a very considerable change amongst the Non-Commissioned Officers and men of "A" and "B" Batteries, the average number of recruits being at least 50 per cent. of the establishment. In order to bring the Batteries up to the state of efficiency which as Schools of Instruction they should attain, these recruits must be carefully and thoroughly trained, but as during the courses of instruction, which last nine months in each year, the energies of all ranks are taxed to the utmost, not only to furnish squads for instruction, but also to provide for the guards, duties and various employments necessitated by the maintenance of these large establishments, it is strongly recommended that unless the changes already recommended in the organization of these Schools be effected, that only two Courses of Instruction be provided for during the year, so that the Batteries themselves may have sufficient time for their own drills and instruction.

2. There are now 17 horses in "A" Battery, and a similar number in "B" Battery. Taken together, this number would be amply sufficient for one complete Field Battery at Kingston, which, if fully organized, would afford a very much better means of instruction to all other Field Batteries than can possibly be now attained by the partial Field Battery organization at both schools. On the other hand there are 34 Garrison Batteries which send Officers and men for instruction to Quebec only, to provide for their thorough and efficient instruction in something more than the elementary Garrison Artillery Course, hitherto only found practicable, an increase in the garrison strength of the School at Quebec would be very desirable, and might without expense be obtained from the Kingston School where Garrison Artillery duties are seldom, if ever, required to be taught.

3. I have not yet had an opportunity of inspecting "C" Battery since its organization at Victoria. It will be observed that so far, great difficulty is experienced in obtaining recruits to fill existing vacancies, it is quite possible, however, that when the Battery can move into more comfortable permanent barracks, this difficulty will be in a great measure removed.

4. The following changes in the Staff have been made during the year, viz.:—

Lieutenant F. M. Gaudet, gazetted 27th December, 1884, appointed to "C" Battery.

Captain E. Palmer, appointed Quartermaster, "C" Battery, *vice* White, resigned.

Lieutenant W. P. Burroughs, gazetted 9th April, 1888, appointed to "B" Battery.

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

D. T. IRWIN, Lieut-Colonel,
Commanding Regiment Canadian Artillery.

The Adjutant General of Militia, Ottawa.

ANNUAL REPORT ON "A" BATTERY REGIMENT OF CANADIAN ARTILLERY, AND ROYAL SCHOOL OF ARTILLERY.

KINGSTON, 11th December, 1888.

SIR,—I have the honor to submit herewith for the information of the General Officer Commanding the Annual Report on the Royal School of Artillery under my command.

1. I would recommend that for the future the terms of instruction for the Short Course be reduced to two in the year instead of three, thereby permitting more time to be devoted to "A" Battery and its instruction, as well as to the duties connected with the works and fortifications.

2. Since last year eight additional horses have been added to the establishment and the instructional facilities increased thereby.

The riding Instruction of the Gentlemen Cadets of the Royal Military College was continued and an advance made owing to the increased size of the class.

3. A Drill shed is much needed for the use of the Royal School of Artillery and particularly so in winter when the largest classes are in attendance. As the site of the present one has been sold and as the building itself will have to be removed next year, I would suggest the erection of another on the Artillery Park property. The situation would be central both for the local Corps and for Royal School of Artillery.

4. I would still urge the horsing of 2 guns, 2 waggons and 1 forge waggon completely for service as has been previously recommended.

5. A detachment of 10 Non-Commissioned Officers and men of Engineers attending a course under the Professor of Military Engineering at the Royal Military College were attached to the Royal School of Artillery for instruction in Company drill and general regimental duties.

It is hoped for the future that the Engineers may not deducted from the quota of Short Course Artillerymen allowed attendance at the Royal School of Artillery.

6. The vacancy caused by the death of Ordnance Armourer Parrett has not yet been filled. The special work required to be done by this artificer is much behind hand in consequence.

7. Hospital clothing is very much needed, and its want was very severely felt during an epidemic of sickness last winter.

"A" Battery Regiment, C.A.

8. Owing to the reduction caused by the heavy draft to "C" Battery, the number of recruits has been exceptionally large and with, in many cases, not very happy results. The desertions also were in proportion to the want of trained non-commissioned officers and men. On this subject I have forwarded you a special report.

9. A detachment consisting of 1 Subaltern, 1 Veterinary Surgeon, 3 Staff-Sergeants, 1 Sergeant, 1 Trumpeter and 29 Non-Commissioned Officers and Men with 2 guns and 19 horses were attached to the Artillery Brigade Camp at Gananoque with much benefit to all concerned. I consider the plan a good one and would be pleased to see it extended as much as possible.

10. The rifle practice had to be discontinued owing to an accident caused by the dangerous condition of the rifle ranges. Some repairs were effected in October, but too late to permit practice being continued.

11. The usual period under canvas did not take place this year.

12. The clothing and boots are still unsatisfactory, and the expense to the wearers considerable. The defects in detail I have made special report on.

13. A competition between "A" and "B" Batteries in (1) Driving Drill and Field Artillery exercise; (2) 9-pounder gun practices; and (3) repository exercises, took place, "B" Battery winning the two latter and "A" Battery the first.

Repairs.

14. Repairs to fortifications, works and buildings were commenced late in the season. Little was done and now all work has been suspended.

Armament.

The condition of the armament of Kingston remains as in previous years.

15. I have had every assistance from the staff of the R.S.A. and the officers and men of "A" Battery in carrying on the duties.

I have the honor to be, Sir,

Your obedient servant,

W. H. COTTON, Lt.-Colonel,

Commandant Royal School of Artillery.

The Officer Commanding Regiment of Canadian Artillery,
Ottawa.

ANNUAL REPORT ON "B" BATTERY, REGIMENT OF CANADIAN ARTILLERY AND ROYAL
SCHOOL OF ARTILLERY.

CITADEL, QUEBEC, 15th December, 1888.

SIR,—I have the honor to submit herewith my annual report on the Royal School of Artillery under my command.

Camps and Outside Instruction.

The following N.-C. Officers acted as instructors to various Corps during the past year:—

Sergt. Major A. Lyndon,
Staff Sergeant Fellowes,
do Wallick,
Sergeant J. Wood,
do B. Keogh.

Rifle Association and Practice.

A Rifle Association of seventy members of "B" Battery was formed this year, and was very successful. At a meeting held on the 24th and 25th September prizes to the value of \$280 were competed for, including an open match to the Canadian Militia of \$50. The citizens of Quebec assisted very liberally in money and prizes in kind.

The usual Government grant of \$50 was not allowed this year.

The Battery went into Camp at the Engineer Park—Lévis—one division at a time, for small arm practice, under the new enlarged and improved regulations.

There is an excellent Rifle Range there, and the firing was carried out in a most satisfactory manner.

The Surgeon reports that the excellent health of the men is due to this change to the country, from the Citadel, during part of the hot season.

Annual Competitions.

The annual competitions between "A" and "B" Batteries Regiment Canadian Artillery took place this year at their respective headquarters, as the usual grant for transport of a Team could not be allowed. "A" Battery won the driving competition, but the honors of the 9-pr. gun practice and shifting ordnance fell to "B."

Remarks on Armament.

The only change to note is the transfer of a 40-pr. R. B. L. gun from Toronto to Quebec. The Citadel of Quebec and the Lévis Forts remain almost unarmed.

General List of Repairs to Armament and Artificers Work.

General repairs have been made to Field and Garrison Gun Carriages, those for Garrison Service having to be partly rebuilt.

Alterations were made to perfect the Experimental Field Artillery gun sleigh, and an excellent pattern on plans by Capt. Rutherford, R. C. A., was arrived at, thoroughly tested and reported on. No sleighs on this model, however, have yet been furnished for the use of the School.

Two converted 64-pr. R. M. L. guns were resighted for the long radius, and the hind sight sockets deepened to admit of the improved lengthened hind sights (12°) being used at the D. R. A. meeting (Garrison) Practice at the Island of Orleans.

Scott's Revolving Sights were also fitted to the Field guns of "B" Battery, R. C. A.

Examination of Field and Garrison Ordnance Fittings, &c., have been made and repairs made where necessary and practicable.

Two Field Guns were re-vented at Kingston, and 40-pr. R. B. L. Ordnance examined at Toronto by the Armourer Sergt. "B" Battery.

The 40-pr. R. B. L. gun from Montreal had a new ring put in, was rebushed and thoroughly overhauled before being returned to that Station.

General repairs and renewals where practicable have been made to the harness and saddlery.

General repairs have been made to officers and soldiers quarters, stables, out-buildings, barrack room furniture and utensils.

A covering snow shed has been built over the chain gate as a winter approach to the Citadel Hill.

Clothing.

I have to repeat my remarks of last year, except in the matter of boots in which a change for the better has been made.

GENERAL REMARKS.

Horses.

More horses are badly wanted for the efficient instruction in Field Battery work, as has been reported every year. There should be at least thirty.

Married Soldiers.

I have the honor to repeat my remarks of last year recommending the issue of rations to a limited number.

Sanitary State of Barracks.

The Sanitary state of the Barracks here is very satisfactory as reported by the Surgeon.

The casemates of Richmond and Dalhousie Bastions have been re-covered this year. Many repairs however are still required.

The Battery was minutely inspected by the General Officer Commanding, in Camp at Lévis, in July last.

I would again respectfully suggest that the senior subaltern of "A," and the senior subaltern of "B" Battery should be given the rank and pay of a Captain.

I am glad to be able to report very favorably as to the conduct of all ranks of this School.

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

C. E. MONTIZAMBERT, Lt. Colonel,
Commandant Royal School Artillery, Citadel, Quebec.

To the Officer Commanding
Regiment of Canadian Artillery, Headquarters,
Ottawa.

ANNUAL REPORT ON "C" BATTERY, REGIMENT OF CANADIAN ARTILLERY AND ROYAL SCHOOL OF ARTILLERY.

VICTORIA, B. C., 12th December, 1888.

SIR,—I have the honor to submit for the information of the General Officer commanding this my annual report on the state of "C" Battery, R. C. A., and Royal School of Artillery, under my command for the past year.

Present Strength.

I am sorry to have to state that the Battery is a considerable number of men below the strength, and has never at any time during the year been completely up to its establishment. A number of recruits have been enlisted, but not nearly enough to supply losses by desertion and other causes. I am pleased to be able to say that our percentage of loss from desertion has not been as great as I expected, as at this station, where the price of labor is exceptionally high and the demand great, the temptation is consequently in proportion. This is, I think attributable to the fact that the men here have not been compelled to undergo the burdensome work required for the short courses of instruction, when the same drills are done by men month after month, not for their own good, but for the instruction of others. The absence of attached men for instruction in any numbers is caused by the smallness of the militia force in the district, and also by the low rate of pay allowed, rendering it impossible for any officer or man in civil employment to leave it for the purpose. The pecuniary loss he would be called upon to make, being too great, and in the case of an officer, the absolute impossibility of his being able to live upon the small sum allowed as his daily pay.

The enlisted non-commissioned officers and men have been encouraged to take part in out door sport as far as possible (consistent with a proper discharge of their duties) such as cricket, football and other games, and I am glad to say that great interest is shown by them in this respect.

Establishment.

The established strength of the Battery is far too small. The various duties here are quite as great as in "A" or "B" Batteries, and greater than in the Infantry Companies, which are the same in strength without taking into consideration the attached officers and men, thirty in number, allowed to all corps. Of the latter we have, comparatively speaking, none, while in all eastern stations the complement is nearly always filled.

The following shows the total strength of the Batteries (exclusive of attached):—
"A," 157; "B," 169; "C," 107.

I would earnestly call attention to my recommendation of last year that "C" Battery be allowed one Officer and 30 men additional to its present strength. Should this not be practicable at present, I would again suggest that the Batteries be equalized in strength, making each Battery as follows:—

"A," 145; "B," 145; "C," 144 and one Officer, 145.

I feel quite sure that the cause for discontent among the men will be much lessened by this means, and when it is considered that our men have to be brought from the east at considerable expense to the public their loss from a pecuniary point of view is considerable. Should something not be done I fear our present proportion of loss cannot be kept down, as at present complaints are made by the men at the amount of duty they are called upon to perform, although it is kept at the lowest possible point.

Barracks.

I regret exceedingly being compelled to state that we are still occupying the temporary barracks, the permanent quarters being only partially completed. The present arrangement is very unsatisfactory, and I cannot too strongly recommend that every means be taken to complete the proper barracks during the coming year. At present there are no officers' quarters or married quarters, and all the various temporary buildings now in use are most unsuitable for lengthy occupation.

There is nothing to my mind more likely to induce good men to enter our service, and to keep them there, than good barracks well maintained, such as are to be found at all United States posts, of which there are several near us.

Arms, Accoutrements and Clothing.

These are in good order, and give fair satisfaction. I would again, however, point out the great necessity of our being armed with the Martini-Henry.

The valise equipment is not, in my opinion, suitable for service in this country, the number of straps being too great, and the color objectionable. A single bag slung "miner" fashion by brown leather shoulder straps would answer every purpose and be more quickly thrown off and put on. As to its being as easily carried, I have seen men in this country (while out with them on a hunting trip and similarly equipped) take their ordinary share of pack, quite equal to what is carried by a soldier in marching order, and with a sack of flour (50 lbs.) extra, carry it with comparative ease for a whole day.*

I would also recommend a brown leather waist belt, frog, and rifle sling. Havresack should be brown tanned and waterproof, with pockets for spare ammunition, to hold twenty (20) rounds.

A supply of brown duck clothing should be kept in store for active service.

With regard to clothing I wish to point out that the price has risen very much, since the policy of making it in Canada has been adopted. When we had English made clothing, it could be purchased by the men at about two thirds the price now charged, while no corresponding increase in pay has been allowed.

The cost of Sergeants, and Staff Sergeants and Officers' uniform is excessive and a diminution of the quantity of gold lace now worn would not make it less attractive or comfortable, and would certainly make it more within the means of the not over-paid officers, and reduce the cost to the public of that supplied to the Non-Commissioned Officers.

Barrack Stores.

Some arrangement should be made for the prompt issue of stores to replace those condemned for fair wear and tear. At present we are much below our original supply and some demands on the Store Department are as yet not complied with.

Barrack bedsteads of proper pattern are much needed and should be supplied at once.

Band.

The Band is very efficient, not only in its musical capacity, but also in its military duties.

Bandmaster Agius (late Royal Navy) has been most zealous in his duty and has given every satisfaction.

Officers' and Sergeants' Messes.

These are in a satisfactory state. I regret however that the cost of messing is much higher than in eastern stations, more especially in the officer's mess, although conducted in the most economical manner.

Hospital.

This is well conducted, considering the very poor quarters available for it. I regret that there is a considerable percentage of cases under treatment at all times, but none of so serious a nature as to require their removal to the General Hospital, where quieter and more suitable accommodation could be provided.

Divine Service.

I wish to call attention to the necessity of an appropriation as in the Imperial Service, for the performance of Divine Service. Under the regulations, Commanding Officers are compelled to march their men to Divine Service although no means are provided to pay for their accommodation.

*This recommendation is, in my opinion, simply ridiculous.

I would recommend that the sum of three dollars be paid annually for each member of a recognized denomination in the corps, to the churches providing the necessary sittings and service.

We would then not be compelled, as at present, to beg for that which should be provided by the public.

Unless this be done commanding officers should be relieved from the responsibility put upon them by Queen's regulations, section VII, sub-section XV.

Status and Discipline.

The status of permanent corps is one deserving of consideration. At present they are regular troops serving under the guise of militia. This does not tend to elevate the *esprit* of the force, men who are worth having will not knowingly enlist for continuous military service unless they are given the privilege of regular soldiers. To put them in the same list with men who enjoy all the emoluments of civil employment and who devote only a small portion of their time to military duties, does not tend to make them contented, and unless they are the service will not be as it should be.

I am satisfied that if they are (as are their sister permanent corps in Australia) given the title of Regular Corps, a vast improvement will shortly be seen, not only in the numbers but in the quality of the recruits, and also in their discipline and interior economy.

This need not carry with it any relative seniority as is allowed to officers in the Imperial Service over all Militia Officers, but provision certainly should be made that officers in permanent Colonial Corps should take rank equally with Officers of the Imperial Regular service.

As it is now, a Cadet leaving the Royal Military College, Kingston, and entering an Imperial Regiment immediately becomes senior to a brother Cadet, who may have graduated much higher and have served for many years in our permanent service. Not only that, but to make matters still worse, if the Cadet who has joined Imperial Service (as is sometimes the case) gets employment in his native colony, he is given a step in local rank, thus making him senior to men who have served continuously since he wore short clothes.

An improvement in the title of the permanent Corps would cost nothing, and do much towards advancing this desirable object. There can surely be no reason why we should not have the "Royal Canadian Hussars," the "Royal Canadian Artillery," the "Royal Canadian Infantry" or that the Sister Corps of Militia should have the monopoly of honorable and pleasing titles.

Pay and Allowances.

I would respectfully call attention to my remarks last year regarding the allowances to the officers of an increase in their pay of 25 per cent. to meet the increased cost of living in this expensive country.

I also beg to state that the money allowance in lieu of quarters is, in the case of married Officers, quite insufficient to meet the cost.

The position here of the Officers, in a pecuniary sense, is so much worse than that of those in Eastern Stations, that I would most earnestly request that the matter may be made the subject of special inquiry, with a view to redress, should it be found that this matter is one deserving of consideration, as I am sure it will be.

Forage.

I would again press the claim of the Officers to a forage allowance such as is given to Officers similarly situated in Kingston and Quebec. The defences here are much more scattered than there, and it is a hard day's work alone for an Officer to visit them on foot, and the new barracks are at least three miles from the business part of Victoria.

Forts and Armaments.

These are in a fairly good condition for such class of works, and in view of the proposed defences being constructed, no large expenditure on the present works is recommended.

Two 64-pr. carriages require renewal and have been asked for.

The supply of ammunition is far too small, and the side arms and stores very incomplete. A requisition to complete has been made but not yet filled.

A fire on Brother's Island during the summer destroyed the Artillery stores and temporary magazine. The loss however was small, as very little was kept on the Island, owing to its isolated position.

A boat is much needed to enable visits being made more frequently than is possible at present. This has been applied for but no answer has been received.

Rifle Practice.

This has been carried on with energy under the supervision of Major Peters, who has been untiring in his efforts in encouraging the men to become good shots.

A grant of money towards the Battery Rifle Association would be of great assistance. The men have done a great deal from their small means in the purchase of ammunition, but it is a question whether it is fair to call upon either officers or men to contribute (as at present) towards what may be fairly considered a matter of public necessity.

Artillery Instruction.

The means of Artillery instruction are very incomplete, in fact the syllabus cannot be carried out at all at this station.

Drill with mortars, siege gun, or, gyn is impracticable owing to the want of the necessary ordnance and stores. The course has been modified to meet this, but steps should be taken in order to place this school on the same footing in this respect as the others.

General Remarks.

I may in conclusion be permitted to say that I am satisfied with the efforts of both officers and non-commissioned officers towards promoting the efficiency of the corps, with which the General Officer Commanding was at his annual inspection pleased to express his approval.

I have the honor to be, Sir,

Your obedient servant,

J. G. HOLMES, Lt.-Colonel,

Commandant "C" Battery, R.C.A.

To the Officer Commanding,
Regiment Canadian Artillery.

APPENDIX No. 8.

ROYAL SCHOOL OF MOUNTED INFANTRY.

WINNIPEG, 13th December, 1888.

SIR,—I have the honor to submit for the information of the General Officer Commanding this my annual report of the Royal School of Mounted Infantry.

Strength of the Corps.

Notwithstanding that during the last 3 months the three years service of many of the Corps has expired, a large proportion have re-enlisted and new men joined so that the Corps is now "full strength" of all ranks, with several applications for vacancies when they occur.

Increase applied for.

But I feel I am again called upon to report as I did last year, on the very heavy duties performed by the men, and I therefore quote the remarks I made in my last report which are equally applicable now.

"The employed Non-Commissioned Officers and men are about one-half of the total strength of the School, and are really the cadres for a Battalion which could thus be raised to five times its present number with a very small increase to the staff and employed Non-Commissioned Officers and men.

"Duty Men."

"But as to the other half of the Corps which are the duty men, there are nine men daily on guard and gate duty, three on piquet, and four orderly men of rooms making a total of sixteen for daily duties. It therefore follows that the forty-one duty men are not sufficient to make three reliefs (it would take forty-eight men for this), and so some men must go on duty every other day, and when there are more than the average number of sick or men otherwise off duty, as in the case at present, the duty comes round to all every other day, which in this cold climate is very trying. This is irrespective of all fatigue duties, such as coal carrying, &c., which is a heavy fatigue duty in winter.

Increase applied for.

"If to the above duties are added the daily Drill, mounted exercise, and routine of stables, also cleaning not only his horse and equipments but also infantry accoutrements, it will be seen that a Mounted Infantry Soldier has an exceptionally busy time compared with other Corps; and as he is on guard or duty every other day; I do most respectfully beg that his case may be considered, so that by an increase to the number of the School his now very heavy tour of duty may be lessened."

Clothing.

I have to report that the clothing and "kit" issued to the Corps are very satisfactory both in material and make the tuques issued in the fall are found much better suited for Mounted Drills and for stable duties than the Glengarry cap, and are really a national head dress for Canadians.

Horses.

I continue to feel very well satisfied with our horses (all "Bronchos"), we find they improve every year, and with a few exceptions, have turned out quiet and tractable; I think there can be no doubt but that they are the best class of horses for the service of Mounted Infantry in this country.

Barrack Improvements and Repairs.

Since my last Report a new lavatory and latrine have been built, which were very much wanted for the cleanliness, and comfort of the Non-Commissioned Officers and men; but we still require a *hospital, guard room and cook house*, together with an appropriation to cover repairs to the roofs and plastering of the huts which were erected some 18 years ago and then supposed to be only temporary. Still I have no doubt that by a regular moderate annual outlay to keep them in repair, they will be serviceable for many years, provided the repairs are done as soon as required, for the extremes of heat and cold are so great here that a small damage left without being repaired soon increases to a serious extent.

Gas for Stables.

I would strongly recommend that our stables may have gas to use instead of coal oil; the expense of laying the gas pipes is very little, and the safety from fire is a most important consideration.

Saddlery and Cavalry Bits.

The saddlery and horse equipment which I believe was all manufactured in Canada, continues to give satisfaction and wears well; but I find the Cavalry bits and bridoons issued are too heavy for our small horses, the bit and bridoon weigh nearly 3 lbs. and the bit is too severe and in many cases spoils the horse's temper; I would recommend a bit of the "Pelham" pattern, which is very light and handy.

Target Practice.

Owing to the lateness of the season when Butts for a Rifle Range could be completed the Corps has not been able to fire the full allowance for Target Practice at the long range; but "Field Firing" has been carried out on the prairie every week during the fine weather with very satisfactory results, and as this practice trains the horses as well as the men I have considered it of the greatest importance.

Certificates.

The following is a return of the Officers, N.C. Officers and men who have attended the course of instruction since my last report:—

| | Grade A. | | Grade B. | | Attendance Certificate. | Now under Instruction. | Total. |
|---------------------------|----------|------|----------|------|-------------------------|------------------------|--------|
| | 1st. | 2nd. | 1st. | 2nd. | | | |
| Officers | 3 | 1 | | | 1 | | 5 |
| Non-Commissioned Officers | | | 2 | | 4 | | 6 |
| Privates | | | 4 | 1 | 43 | 24 | 72 |
| Buglers | | | | | 3 | | 3 |
| Total | 3 | 1 | 6 | 1 | 51 | 24 | 86 |

The attendance is mostly in the winter months, and this shows why a Riding School is so much required to teach equitation; and such a building can also be made use of to practice firing with the Morris tubes, which I hope may soon be issued to the School.

Aid to Civil Power.

The Corps was called out by requisition of three Magistrates "in aid of Civil Power" on the 20th October last, and was kept most of the time confined to Barracks, but was not required to turn out until the night of the 31st October, when the Mounted Division accompanied by E. P. Leacock, Esq., J. P., rode under my command to the railway crossing where the disturbance was anticipated, arriving there about 10 p.m., apparently just in time to prevent a serious riot between the men of the Red River Valley Railway and those of the Canadian Pacific Railway.

We were kept out on duty by the Magistrates until the 6th November, when I was notified by them that my Corps was no longer required in aid of Civil Power, and I therefore withdrew and returned to Barracks.

I must take this opportunity of reporting how very well the whole Corps behaved when on this unpleasant duty, which was really that of a moral, and not of a physical force. Strict orders were given not to interfere in any way with either of the opposing parties unless ordered to do so by the Commanding Officer, and as no breach of the peace occurred they were not called upon to take any action and did not interfere in any way.

I have the honor to be, Sir,

Your obedient servant,

JOHN B. TAYLOR, Lieut.-Colonel,
Commandant, Royal School of Mounted Infantry.

The Adjutant General,
Ottawa.

APPENDIX No. 9

ROYAL SCHOOL OF INFANTRY.

INFANTRY SCHOOL CORPS, "A" COMPANY AND STAFF.

FREDERICTON, 17th November, 1888.

SIR,—I have the honor to submit this my fourth Annual Report of the Royal School of Infantry and Corps under my command.

The completion of the period of five years since this branch of the permanent force of Canada (the Infantry School Corps) was first organized affords a fitting opportunity to enquire, 1st. Whether it has served the purposes for which intended; and 2nd, Whether it has been so established, as an integral part of the Imperial forces in general, and of those of Canada in particular, that as time goes on it will be considered more and more an honor to serve in its ranks or to occupy a position of command therein. In answer to the former enquiry I submit the following return, showing the number of Officers and Non-Commissioned Officers and men representing the different Infantry Corps of the Maritime Provinces, in fair proportion from each province—Nova Scotia, New Brunswick and Prince Edward Island—that attended the Royal School of Infantry under my command and obtained qualifying certificates during the period of five years referred to.

I may state that this return in itself cannot convey an adequate idea of the results of the training at the school. Those who have here qualified have in turn (or should have) occupied the positions of Instructors, in imparting military knowledge to others, in their respective Battalions, and the Battalions have thus been enabled not only to maintain efficiency, but to shew signs of decided improvement from time to time. I can bear cheerful testimony to these good results in the Military District under my command.

It is to be regretted that many Officers of that class whose services are alike valued in civil and military life, are unable owing to pressure of business to do more than attend "special courses," while Non-Commissioned Officers of a similar class being unable to devote so long a time as three months to "short courses," are precluded from qualifying, there being no "special course" at their disposal.

I concur in the opinion expressed by the Commandant Royal School of Infantry, Toronto, "as to the want of care," in some instances, "in the selection by Commanding Officers, of those sent for instruction as Non-Commissioned Officers."

Return shewing the number of Officers, Non-Commissioned Officers and men who attended the school from December, 1883, to November, 1888, and obtained certificates:—

Officers.

| | |
|---|------------|
| Grade A, 1st Class (4 Long Course)..... | 63 |
| do 2nd Class..... | 5 |
| Special Course, 1st Class..... | 26 |
| do 2nd do..... | 11 |
| Now attending..... | 1 |
| Total Officers..... | <u>106</u> |

Non-Commissioned Officers and Men.

| | |
|-------------------------|------------|
| Grade B, 1st Class..... | 67 |
| do 2nd Class } | 179 |
| Attendance } | |
| Total..... | <u>246</u> |

Return shewing the number of Officers, Non-Commission Officers and men who attended the school from November, 1887, to November, 1888, and obtained certificates:—

Officers.

| | |
|---|-----------|
| Grade A, 1st class (2 Long Course)..... | 14 |
| do 2nd class..... | 1 |
| Special Course, 1st class..... | 4 |
| do 2nd class..... | 5 |
| Now attending..... | 1 |
| Total Officers..... | <u>25</u> |

Non-Commissioned Officers and Men.

| | |
|--|-----------|
| Grade B, 1st class..... | 7 |
| do 2nd class..... | 13 |
| Attendance | 21 |
| Now attending..... | 12 |
| Total Non-Commissioned Officers and men..... | <u>53</u> |

With respect to the latter question, viz., whether the Corps and School have been placed on a satisfactory and permanent basis. It is well known that not only have the results of previous legislation affecting the permanent Artillery of Canada (formed in 1870) been embodied in the Regulations and Orders for the guidance of the permanent Infantry, but those results of more recent progress in military organization so far as applicable to the force. These Regulations and Orders having been duly tested have been found, I consider, as a whole admirably adapted for the service.

All branches of our Force have, or should have, the traditions of the British Army ever before their eyes, and thus, with confidence in their own resources, *esprit de corps* will be fostered and encouraged more and more as time goes on.

At the time of the North-West rebellion, early in 1885, although it was not our good fortune to take part in active operations in the field with our more fortunate brethren in the west, not less honorable, nor less appreciated by the authorities was the part taken by soldiers of the Maritime Provinces in promptly responding to the call of duty.

"A" Company and Staff, Infantry School Corps formed the nucleus of a splendid twelve Company Battalion, representing New Brunswick and Prince Edward Island, formed at short notice and encamped at Sussex *en route* to the West.

It will be remembered too with pleasure, that on the Queen's Birthday, 1886, Lady Tilley honored the Corps by presenting a Regimental Color, worked by her own hands, at the time it was understood that a "flying column" would be sent to the North-West, and that the Infantry School Corps would form part of that column.

Moreover in carrying out even the ordinary routine of duty that which at the time is considered unimportant becomes later on a matter of history connected with the corps.

Inspection by Major-General Sir Frederick Middleton, K.C.M.G., C.B.

The Major-General Commanding completed his fifth annual inspection of the Corps and School at Fredericton on the 13th July last.

Target and Judging Distance Practices.

The system of Rifle practice for Non Commissioned Officers and men authorized in General Order (11) 1st June last, has been carefully carried out, with good results. The system of obtaining a prescribed number of points at each range before proceeding to the next works well, ensuring increased interest in the individual practice.

I recommend, however, that the number of points required in the three stages and to qualify in each be slightly reduced and thus the number of marksmen will be increased, it being found difficult to qualify.

Lieutenant Hemming deserves credit for the skill and accuracy with which he used the "Watkin Range-finder" in carrying out the Judging Distance drill and practice.

He had previously used it with advantage, facilitating the shot and shell practice of the Newcastle Field Battery at Chatham Brigade Camp.

The usual Musketry Camp at Fern Hill, I regret, was not authorized until Target Practice had been nearly completed at the Fredericton Range.

Name of best shot, Private C. S. Nason.

Name of best shot in judging distance, Col.-Sergeant Daniel.

Music.

The band under the leadership of Bugle Major Hayes, I consider more efficient at present than at any previous time. The buglers too are efficient.

Temperance.

The Temperance Lodge continues to be an important factor for the prevention of crime, its members setting an example for good to others in the Corps. There are about 60 members, men of the Corps, besides several total abstaining men not connected with the Lodge.

Library and Recreation Room.

The Library Committee continues to do good; the stock of books is yearly increasing. The Hon. Chief Justice Allen, and other citizens have again kindly contributed to the library.

I earnestly hope that the Major-General's strong recommendation may be acted upon, viz., "that liberal assistance be afforded by the Government towards the maintenance of the Non-Commissioned Officers' messes and the men's reading and recreation room."

It cannot be too often repeated that "everything tending towards encouraging the men to remain in barracks adds not only to their well-doing but helps to strengthen their *esprit de Corps*, and assist discipline." "If they have comfortable and well regulated recreation rooms to go to they will not flock to the drinking saloons of the town."

Barracks and Gardens.

Some necessary repairs, &c., are being carried out.

Painting, &c., officers and men's quarters.

Fences, both of Officers' grounds and park, barracks, gardens of married Non-Commissioned Officers and men are kept in good order.

I regret there is not sufficient space in the men's barrack grounds to permit the laying out of gardens.

Barrack Rooms.

I have again to direct attention to the interest taken by Major Gordon in the welfare of his men. This is abundantly shewn in well arranged barrack rooms, and in steps taken from time to time for the well being of the soldier.

Officers.

Major Gordon served in the capacity of Brigade Major with credit to himself and advantage to the force both at the Chatham and Aldershot Brigade Camps, Military Districts Nos. 8 and 9, respectively, June and September last.

An exchange was authorized from 15th February last between Lieutenant and Captain Bremner of this corps and Lieutenant and Captain Drolet of Mounted Infantry at Winnipeg. The latter officer is now doing duty with "A" Company, Infantry School Corps.

Non-Commissioned Officers and men.

My remarks in report for 1887 apply equally this year. By the means employed no difficulty is experienced in keeping the ranks filled with men of the best class. Those of good character, well fitted for the service.

The Non-Commissioned Officers, too, have again given valuable proofs, individually and collectively, of their usefulness and efficiency.

Sergeant Major McKenzie, continues to discharge his important duties efficiently and satisfactorily.

Staff Sergeants Fowlie and Polkinhorn in like manner continue to perform their not less important duties of instructors in the different "courses."

The following Non-Commissioned Officers have been employed on district duty :

District No. 8, Brigade Camp, Chatham.

Sergeant Major McKenzie, Sergeant Major.

Quartermaster Sergeant Walker, Quartermaster Sergeant.

Sergeant Instructor Fowlie, Sergeant Instructor of Musketry.

Bandmaster Hayes, Bandmaster.

Sergeant Gregory, Orderly Room Clerk.

Sergeant Cochran, Hospital Sergeant.

District No. 9, Brigade Camp, Aldershot.

Corporal Chappell, acting Sergeant Major.

Lance Corporal Gill do do

Lance Corporal Duncan, Drill Instructor.

Lance Corporal Faucutt, Instructor of Signalling.

Recommendations.

I beg to direct attention to my recommendations submitted in my report for 1887.

1st. As to the want of a permanent Quartermaster in each School.

This want has not been supplied in the School under my command.

2nd. As to the appointment of an Adjutant in addition to the authorized strength of the Corps at each station.

3rd. That Non-Commissioned Officers and men married with leave, and their families be placed on the same footing as regards the issue of rations as those in Her Majesty's Regular Army.

I now desire to add to the above :

4th. The question submitted to the Major-General Commanding at his inspec-

tion this year, as to the desirableness of improving the position of the Color Sergeant of each Company, Infantry School Corps, he (the Color Sergeant) being considered in our regulations for rank and pay as a Company Sergeant, whereas in the standing orders of the Corps the important duties of a Color Sergeant (the Company too being large) are required of him.

5th. Referring to paragraph 1064, Regulations and Orders, 1887, I am of opinion it is desirable that the same privilege now allowed to Engineers be extended to Infantry, viz., that Officers and Non-Commissioned Officers should from time to time, after original qualification at a School of Infantry, be allowed to take special "Courses" at the same schools in order to ensure their knowledge of drill and discipline being kept up.

In view of biennial drill in country Corps (Infantry), the knowledge acquired in one "short course," however carefully instructed therein, is too often lost sight of as time goes on, owing to want of practical experience.

6th. I consider the recommendation of the Commandant Royal School of Infantry (St. Johns) worthy of favorable consideration, viz., the division of each Corps at a station into two companies.

Conclusion.

I have again an opportunity to express my best thanks to the Officers. To Major Gordon, as second in command, for valuable assistance and hearty co-operation; to Lieut. Young for efficient services as Adjutant; to the officers generally for duties faithfully performed; Surgeon Brown, Major and Paymaster Armstrong, Lieut. Hemming and Lieut. and Capt. Drolet. These two last named Officers are available and extremely useful in the performance of District duties.

I have the honor to be, Sir,

Your most obedient servant,

GEO. J. MAUNSELL, Lt.-Colonel,
Commandant, Royal School of Infantry.

The Adjutant General, &c., &c., &c.,
Ottawa.

"B" COMPANY, ROYAL SCHOOL OF INFANTRY.

ST. JOHNS BARRACKS, 15th December, 1888.

SIR,—I have the honor to submit the following report for the information of the General Officer Commanding, together with such remarks and recommendations I think necessary and in the interest of the Corps placed under my command.

Instruction.

During the year, seventy-one Officers, Non-Commissioned Officers and Men of the Volunteer Militia have attended the School with the following results:—4 first class and 10 second-class, Grade A; 9 first-class and 15 second-class, Grade B, certificates were obtained, making a total of thirty-eight successful candidates out of seventy-one. Out of the balance of thirty-three, eleven Officers and N.C.O. left with permission, without completing their courses, many for personal reasons, a few for want of proper uniforms. The unsucccess of the others is due to their want of instruction in either English or French, and I am sorry to have to repeat what I have already said, that the want of instruction is often felt amongst the Officers themselves, and is the cause of their failure. Care is not taken enough in the selection of young Officers in the Volunteer Corps. Commanding Officers forgetting that these young Officers may one day be called to Command and will have to qualify any way. This mishap may perhaps render the Schools obnoxious to those who

failed, but in my opinion the force, I should say the country, will reap the benefits of their instruction, and the effects for the future will be great in sifting the officers and keeping only those fit for the position.

In former reports I recommended the alteration of the dates of the courses of instruction, and I noticed with pleasure that Lt.-Colonel Otter, though situated in a milder climate, concurred with me in the advisability of the change.

St. Johns is a dreary place in winter, and we cannot give to the January course all the instruction needed in Battalion drill, attack, formation, &c., &c., while in summer the situation of the Barracks affords all the comfort and pleasure generally sought for during the holidays, and as I have already proposed a regular course should be open in summer when students and professional men could come and take advantage of their holidays to qualify.

To complete the instruction of the officers and men attached to the School we are in great need of ranges and targets. Theory is not sufficient for men who will have to teach the practice in camps of instruction. I will later on refer to this want which can no longer be overlooked.

Another want is also greatly felt, that of a special instruction for buglers sent in numbers to the School to learn the bugle calls. They require the constant care and instruction of a man detailed for that special duty: but to this day his position has not been recognized on our establishment, and this duty has been performed without any remuneration.

As before I beg to recommend that this instructor receives the pay of a Corporal and be known on the establishment of the Corps as Band Corporal or Corporal of Buglers.

RETURN of Officers, Non-Commissioned Officers and Men who have been attached to the Royal School of Infantry, St. Johns, P.Q., from the 1st January, 1888, to the 31st December, 1888.

| RANKS. | Total of each rank who have attended. | Long course. | "B" Company, R. S. I. | CERTIFICATES. | | | | Left with permission. | Left without permission. | Dismissed. | Attendance. | Still at School. | Discharged, medically unfit. |
|---------------------|---------------------------------------|--------------|-----------------------|---------------|------|------|------|-----------------------|--------------------------|------------|-------------|------------------|------------------------------|
| | | | | Grades. | | | | | | | | | |
| | | | | A. | | B. | | | | | | | |
| | | | | 1st. | 2nd. | 1st. | 2nd. | | | | | | |
| Lieut.-Colonel..... | 1 | | | | | | 1 | | | | | | |
| Major..... | 1 | | | | | | 1 | | | | | | |
| Captains..... | 3 | | | 1 | 1 | | 1 | | | | | | |
| Lieutenants..... | 17 | 1 | | 3 | 9 | | 6 | | | | | | |
| Sergeants..... | 11 | 1 | | | | 1 | 3 | 1 | | | 6 | 2 | |
| Corporals..... | 12 | | | | | 1 | 3 | 1 | | | 7 | 1 | |
| Buglers..... | 7 | 1 | | | | | | | | | 5 | 2 | |
| Privates..... | 20 | | 5 | | | 7 | 9 | | | | 9 | | |
| Total..... | 71 | 3 | 5 | 4 | 10 | 9 | 15 | 11 | | | 27 | 5 | |

Instruction outside of the School.

During the year the following Non-Commissioned Officers and men were detailed for the undermentioned services at the request of the Deputy Adjutants General of 5th, 6th and 7th Military Districts and with the sanction of the General Officer Commanding.

RETURN of Non-Commissioned Officers and men detailed for outside duties from the
1st January, to the 31st December, 1888.

| Rank and Name. | On what Duty. | From | To |
|--|-----------------------------------|------------|-------------|
| | | 1888. | 1888. |
| Sergt.-Instructor Rivet | Instructor, Joliette College..... | April 7... | April 23... |
| Sergt. Copeman | do Three Rivers College | May 12... | May 27... |
| Corp. Belanger | do Ste. Thérèse do | do 21... | June 11... |
| Sergt. Roberts* | do Morrisburg do | do 23... | do 23... |
| do Copeman | do St. Mary's do | Nov. 6... | Nov. 22... |
| do Instructor Rivet | do Bourget do | do 15... | Dec. 1... |
| <i>Sherbrooke Camp, Military District No. 5.</i> | | | |
| Sergt.-Major Phillips..... | Brigade Sergt.-Major | June 26... | July 7... |
| Sergt. Goodfellow..... | Instructor | do 26... | do 7... |
| Lance-Corp. Bowdridge..... | do | do 26... | do 7... |
| Private Mellor | Brigade Bugler..... | do 26... | do 7... |
| <i>Three Rivers Camp, Military District No. 6.</i> | | | |
| Sergt. Copeman | Brigade Sergt.-Major | do 26... | do 7... |
| Corp. Belanger | Instructor | do 26... | do 7... |
| Private Duxtader..... | do | do 26... | do 7... |
| Bugler Powell..... | Brigade Bugler | do 26... | do 7... |
| Sergt. Lamontagne..... | do Orderly Room Clerk..... | do 26... | do 7... |
| <i>St. Thomas Camp, Military District No. 7.</i> | | | |
| Sergt.-Instructor Rivet..... | Brigade Sergt.-Major | July 3... | do 15... |

*Sergt. Roberts was sent to Morrisburg, Ont., at the request of the Adjutant General.

The instruction outside of the Corps has proved popular and most of my instructors have returned from their duties with tokens of friendship and letters of thanks acknowledging their efforts to impart instruction as well as their good behavior.

Administration.

As I have had the honor to say in former reports the discipline of the Corps and the routine of our work being regularly reported to Headquarters, I shall confine my remarks upon this subject to considerations of a more general and public order.

The issue one after the other of plates for helmets and badges for forage caps with different distinction or names; showed, to my mind, indecision as to our real position, and uncertainty as to our relations towards each other, as corps. This position I pray the General Officer Commanding to have settled and to give unquestionable notices to the officers who have sought a career in joining the permanent Corps. Of a permanent army, there can be no question in a country like ours, but of a permanent School Corps thoroughly equipped and officered the experience of a few years has proved the advantage, and for this reason I beg to recommend again that each school be recognized as the independent nucleus of a future regiment. But that promotions take place through all the corps of the same arm; by this bringing new blood in the schools with the experience of others upon each promotion or exchange.

Another year's experience has proved me the necessity of my past recommendations: a complete regimental staff and system for the school, as we need both for

instruction, and I beg again to recommend the appointment of a 2nd Captain giving a majority to the second in command, and an increase of at least 20 men so as to have the band altogether outside and have on parade two companies for regimental formations. My former plans and proposals about the subaltern officers have been altered by the appointment of a Quartermaster to the Corps.

Lieut. and Capt. C. Freer, transferred to the command of the company in London School, has not as yet been replaced and all his duties of the Corps are performed by Lieutenants who are on duty twenty-four hours in every forty-eight hours.

Targets and Ranges.

I regret to have to remind again that St. Johns is without targets and ranges; that my efforts to obtain one have failed, and that unless my proposals to settle this difficulty are entertained, we shall be without any means of training the attached officers and men and our own corps in a time when all parading movements are discarded for the true training of soldiers for active service.

Casualties.

During the year I have had the sorrow to record the deaths of Privates Michael Hanley, Adolphe Desjardins and Casimir de Montigny, the latter accidentally drowned.

Works and Repairs.

I have had the honor to transmit to you on the 15th instant the estimates necessary to continue the improvements and repairs of the Barracks.

Arms and Valises.

I beg leave to report once more that the valises served to the corps will not be able to undergo the time of service for which they were intended. It may depend on the ordinary use we make of them or that they were kept too long in stores before they were issued to us or not, I cannot say; but they are remarkably bad, the sewing giving way in most cases, where the canvas does not break in the cold. Our rifles require reburnishing and steps will be taken to send them to some armory by tens, so as not to have the corps without its complements of arms.

Subsistence.

The position of the Commandant at St. Johns being somewhat different to that of the other Commandants who are D. A.'s G. or living in the same town as the D. A.'s G., I beg to recommend that contracts be issued from his Headquarters; the Corps cannot be left altogether at the discretion of the contractors as to the quality of the necessary supplies.

I also concur strongly in the recommendations of the other Commandants as regard the issue of free rations to married soldiers' families, and I beg to recommend that the ten families per cent. allowed quarters in the barracks be put on rations at the usual rates, *i. e.*, half and quarter rations per head: it is so very little after all.

Inspections.

I beg to record that the Corps was inspected by the General Officer Commanding, Sir Fred. Middleton, on the 25th and 26th of July, and that on the 2nd day of October last we have had the visit of the Honorable the Minister of Militia and Defence, Sir Adolphe Caron.

Conclusions.

In concluding this report I feel it my duty to express publicly my entire satisfaction with the manner in which my officers and Non-Commissioned Officers

have performed their different duties. Not only are they well qualified for their special duties, but some of them have the good advantage of being able to lecture and instruct in French and in English, a thing which is most essential for this Province.

I have the honor to be, Sir,
Your obedient servant,
G. D'ORSONNENS, Lt.-Colonel,
Commandant, Royal School of Infantry.

The Adjutant General of Militia,
Ottawa.

"C" COMPANY, ROYAL SCHOOL OF INFANTRY.

NEW FORT BARRACKS,
TORONTO, 10th December, 1888.

SIR,—I have the honor to submit for the information of the General Officer Commanding, the Annual Report of the progress and state of the Royal School of Infantry under my command, for the year 1888.

Instruction.

For the third year in succession this School has continued in operation from January to December, it being found necessary to give a special course during the summer vacation for the benefit of Officers of City Corps and others who cannot conveniently attend at any other time.

The following is a summary of the number admitted since my last report:—

| Distribution. | Officers. | N. -C. O. and men. |
|--------------------------|-----------|--------------------|
| Remaining from 1887..... | ... | 3 |
| Joined in 1888..... | 60 | 97 |
| Passed..... | 44 | 46 |
| Withdrawn or failed..... | 15 | 50 |
| Remaining..... | 1 | 4 |

And below a classification of the certificates granted during the same period:—

| | |
|--------------------------------------|----|
| 1st Class, Long Course, Grade A..... | 1 |
| 2nd do do do do | 1 |
| 1st do Short do do | 7 |
| 2nd do do do do | 17 |
| 1st do Special do | 4 |
| 2nd do do do | 14 |
| 1st do Short do Grade B..... | 2 |
| 2nd do do do do | 44 |
| Buglers..... | 2 |

So far as the Officers are concerned I can report most satisfactorily upon their conduct, bearing and genuine desire shown to acquire a knowledge of their work and perfect themselves in every way possible in the limited time at their disposal, but among the Non-Commissioned Officers and men there is, as I have more than once reported, a good deal of carelessness and indifference arising principally from the fact that fully half of them attend for the purpose of "filling in the time."

This evil could easily be remedied by Officers Commanding Companies in the selection of those applying for admission.

Equitation.

The subject of equitation referred to in my last report, is one that none will deny the importance of in the education of all officers, and considering the very large

number of not only Cavalry but Infantry furnished by the Province of Ontario with the central and easily accessible position of Toronto in that Province, I cannot forbear again strongly urging for the early establishment of a Cavalry School at this Station.

Drill Shed and Gymnasium.

The want of a proper Drill Shed in connection with the School, for use in winter and bad weather, is a great drawback to the proper and regular conduct of instruction—the same building could be used as that very necessary adjunct in the training of a soldier, viz., the Gymnasium.

Camp.

"C" Company, I. S. C., under Major Vidal, was again present at the District Camp, Niagara, and as usual gave most material assistance in furnishing a staff of Instructors; these were ably supplemented by the April-June course of officers whose attendance and distribution among the various corps was authorized.

Library and Reading Room.

The library and reading room are serving their purpose well; to the former, new books of standard literature are being steadily added, while the latter has been newly painted, papered and comfortably furnished, thus giving to the soldier increased interest in his home.

Band.

Very great progress has been made by the band since Bugle Major Torder assumed control in July last.

Musketry.

The annual class firing of "C" Company has been regularly carried out under the new regulations, with fairly satisfactory results; but I think the number of rounds per man should be increased and several "Morris" tubes provided for practice during the winter months, also for the instruction of recruits.

If the attendant officers Non-Commissioned Officers and men were also made to undergo the practical course of musketry with the rifle or tube, I am sure good results would accrue, the actual use of the target would give an interest to musketry in their case which the dry rudiments as now taught alone fail to develop, it seems to me that more attention should be given to this part of a soldier's education at the School of Instruction.

Work and Repairs.

All the repairs authorized for the year, save the slating of the east barracks recently countermanded by the Department, have been completed, besides which numerous odd jobs have been done by the artificers of "C" Company.

I regret that no action has yet been taken towards carrying out my recommendation for heating the quarters by steam or hot water; it would prove an immense saving of fuel and time.

My recommendation of last year for the substitution of gas or electric light for coal oil in the lighting of the barracks and approaches thereto, I would urgently repeat.

The banks of the shore line on either side of the barracks, also referred to in my last report, are gradually being washed away by the action of the water and need immediate attention in the form of a retaining wall or "groins."

The sea wall immediately in front of the barracks will, with the expenditure of a little more money in "repointing" be complete and secure for years.

Many of the outer walls of the barracks and quarters also require "repointing;" the action of the elements for the past 45 years is beginning to be felt in the form of leaks.

Staff.

Two more Sergeant Instructors are urgently needed on the establishment of the School in Toronto, for not only are the numbers under instruction unusually large, as will be seen from this and former reports, but the presence of two very strong City Corps naturally leads to a constant demand for instructors which it is impossible to comply with under our present strength.

It is with much pleasure that I report the zeal and attention to duties shown by the Officers and Non-Commissioned Officers of "C" Company connected with the School; their diligence is worthy of all praise.

Captain Sears, Acting Adjutant is I regret to say leaving us to join his regiment (South Staffordshire) on completion of five years' service here. In him the force loses one whom it will be difficult to replace, not only as a particularly smart and industrious officer, but a bright example of all that is soldierly and manly.

I have the honor to be, Sir,
Your obedient servant,
W. D. OTTER, Lt.-Colonel,
Commandant, "C" Royal School of Infantry.

"D" COMPANY AND ROYAL SCHOOL OF INFANTRY.

LONDON, ONT., 12th December, 1888.

SIR,—I have the honor to submit for the information of the General Officer Commanding the Militia this my first report on "D" Company, Infantry School Corps, and the Royal School of Infantry at London.

In addition to the Commandant, the officers already appointed and posted to "D" Company are Captain Freer, Lieutenants Wadmore, Denison and Evans, and Surgeon Hanaban. With the exception of Lieut. Wadmore, they have been with me but a short time.

Captain Freer's long connection with "B" Company and his services as A. D. C. have made him well known to the General Officer Commanding. He does not therefore need any recommendation from me. In a few days his service with the Canadian Government will cease and he will leave London to join his regiment, carrying with him the best wishes of his comrades in the Corps who since its formation have known him as a zealous soldier and a kind hearted gentleman.

Lieut. Wadmore, acting Adjutant, has been more than my right hand. For three months he was the only officer I had to assist me. His valuable experience with "C" Company, his industry, attention to details, appreciation of discipline, and his readiness to do anything and everything to promote the efficiency of the Company and the School have been beyond all praise, and more than entitle him to consideration at Headquarters.

Of the other officers I can as yet say little, beyond the fact that they have come up to my wishes and promise to do credit to those who selected them.

On the 19th of December, 1887, authority was given me to organize "D" Company, and up to the present time 89 men have been enlisted or transferred from other companies. Of this number one has been discharged as medically unfit, one by purchase, and 9 have been struck off as deserters, making the strength at present 78 N.C.O. and men.

In recruiting the aim has been to secure men of good physique and character, rather than rapidly to fill up the ranks; and in this I have fairly well succeeded, the average height being 5 feet 9 inches with a corresponding chest measurement, and the men being well behaved and intelligent. Leaving out the cases of desertion referred to, offences have been comparatively few and those of a mild nature.

On the whole the health of the men has been good.

The Barracks proper were completed last spring, and, as far as they go, are very comfortable, though it would be better were their arrangement more in accordance with military ideas. Much in the way of buildings remains to be done. Married quarters, wash house, latrines, store house and fencing are all absent. As regards the last mentioned work the place is literally open on all sides to the public. But more important than any of these is a drill shed. At present we are without a room in which to form up even a very small parade.

So far as "D" Company is concerned this matters little, but in connection with school work the absence of such accommodation is very serious.

With my present staff I am prepared to do good work and bring about satisfactory results, provided proper facilities be furnished, but without a drill shed for the winter months I feel that justice cannot be done to those who come for instruction, and, unfortunately, that is the season at which officers and men in this District can best attend with convenience to themselves.

The attendance at the School since its opening, on the 2nd of April last, has been as follows:—

Officers.

| | |
|--|-------|
| Obtained certificates, 1st class..... | 7 |
| do do 2nd do | 15 |
| Withdrawn before completing courses..... | 7 |
| Not yet completed | 1 |
| | <hr/> |
| Total in attendance | 30 |
| | <hr/> |

It may be remarked that of the seven who received 1st class certificates, five had previously obtained 2nd class, from either this or the Toronto Schools. One of the withdrawals was occasioned through ill-health, and the remainder through inability to remain longer. Four of these intend returning at an early day to complete the course.

Non-Commissioned Officers and Men.

| | |
|---|-------|
| Obtained certificates 1st class..... | 2 |
| do do 2nd do | 19 |
| do do Bugler.s..... | 4 |
| Failed or withdrew before end of course | 27 |
| Dismissed for improper conduct..... | 2 |
| Not yet completed..... | 10 |
| | <hr/> |
| Total in attendance..... | 64 |
| | <hr/> |

Under this head, I would recommend that a 3rd Class be added to Grade "A" certificates. The Militia List shows that a very large majority of subalterns are "provisional". Many of them are unable to spare the time necessary to obtain the present 2nd Class Certificate. For such officers there should be, I think, a shorter syllabus, which ordinarily could be mastered in four or five weeks, but which would give knowledge sufficient to justify the authorities in confirming the candidate in his appointment as Lieutenant or 2nd Lieutenant. He would thus acquire a standing in

the Force, and would be more likely to take an interest in it; and though he might not know much, he would possess infinitely more real military knowledge than the average "unqualified" subaltern does, and would be in a better position to work up for the higher certificate necessary to promotion. He would, in fact, "learn how to learn," a matter of far greater importance to our Militia Officers than is generally thought. And more than all, he would have ceased to be "on sufferance," and have ceased to be a standing violation of that order which expects, if it does not really require, an officer to qualify within twelve months from the date of his provisional appointment.

I have the honor to be, Sir,

Your obedient servant,

H. SMITH, Lieut. Colonel,
Commandant, Royal School of Infantry at London.

The Adjutant-General,
Ottawa.

ROYAL SCHOOLS OF INFANTRY.

STATISTICS showing strength of each Company, and the work performed as Schools of Instruction for the year 1888:—

| | Mounted Infantry. | | Companies. | | | | | | | | Total. | |
|--------------------------------|-------------------|-------------------|------------|-------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|
| | | | "A" | | "B" | | "C" | | "D" | | | |
| | Officers. | N.-C. O. and Men. | Officers. | N.-C. O. and Men. | Officers. | N.-C. O. and Men. | Officers. | N.-C. O. and Men. | Officers. | N.-C. O. and Men. | Officers. | N.-C. O. and Men. |
| Authorized establishment | 7 | 100 | 6 | 100 | 7 | 100 | 7 | 100 | 6 | 100 | 33 | 500 |
| Present strength | 7 | 97 | 6 | 99 | 7 | 99 | 7 | 96 | 6 | 76 | 33 | 467 |
| Enlisted, or re-enlisted | | 60 | | 21 | | 32 | | 28 | | 75 | | 216 |
| Discharged by purchase | | 33 | | 11 | | 5 | | 18 | | 1 | | 68 |
| do as unsuitable | | 6 | | 1 | | 2 | | 4 | | | | 13 |
| do as invalided | | | | 1 | | 5 | | | | | | 6 |
| Death | | 2 | | 1 | | 3 | | | | | | 6 |
| Deserters | | 14 | | 3 | | 12 | | 19 | | 9 | | 57 |
| <i>Joined for instruction.</i> | | | | | | | | | | | | |
| Long Course | | | | | | 1 | | 2 | | | | 3 |
| Short do | 1 | 52 | 13 | 53 | 11 | 49 | 35 | 92 | 13 | 66 | 73 | 387 |
| Special do | | | 11 | | 9 | | 29 | | 15 | | 64 | |
| <i>Certificates granted.</i> | | | | | | | | | | | | |
| Long Course | 1 | | 1 | | 2 | | 1 | | | | 5 | |
| Short Course—1st "A" | 3 | | 15 | | 1 | | 7 | | 3 | | 29 | |
| do 2nd "A" | 1 | | | | 4 | | 17 | | 4 | | 26 | |
| do 1st "B" | | 6 | 3 | 8 | 2 | 9 | | 2 | | 2 | | 32 |
| do 2nd "B" | | 1 | | 12 | | 15 | | 42 | | 19 | | 89 |
| Special Course | | | 10 | | 7 | | 18 | | 18 | | 53 | |

APPENDIX No. 10.

CERTIFICATES, ROYAL SCHOOLS OF MILITARY INSTRUCTION.

NAMES of Officers, Non-Commissioned Officers and Men of the Active Militia, who have obtained Certificates during the Year 1888.

ENGINEER.

| Name and Rank. | Corps. | Date of Certificate. | | Course. | | | Grade. | |
|---------------------------|-----------------------|----------------------|---------------|---------|--------|----------|--------|---|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Bell, Sapper D..... | Brighton Co..... | | May 2 | | S | | | B |
| Bourne, Corporal A..... | do | | do 2 | | S | | | B |
| Brown, Sergeant T..... | Montreal Co..... | May 2 | | L | | | | B |
| Kilpatrick, Sapper E..... | Brighton Co..... | do 2 | | | S | | | B |
| Lovely, Sapper J..... | do | do 2 | | | S | | | B |
| Mellish, Sapper A..... | Charlottetown Co..... | do 2 | | | S | | | B |
| McCain, Sapper S..... | Brighton Co..... | do 2 | | | S | | | B |
| Seemple, Sapper J..... | do | do 2 | | | S | | | B |
| Total 8..... | | 6 | 2 | 1 | 7 | | | 8 |

ARTILLERY.

| | | | | | | | | |
|-----------------------------------|---------------------------|---------|---|--|-----|---|---|---|
| Beal, Acting Bombardier W..... | "A" Battery, R. C. A.... | Dec. 1 | | | S | | | B |
| Birchall, Sergeant G. S..... | Welland Canal F. B..... | July 7 | | | S | | | B |
| Bracken, Gunner J..... | "A" Battery, R. C. A.... | Dec. 1 | | | S | | | B |
| Breakenridge, Gunner G. T..... | do | Dec. 15 | | | S | | | B |
| Brewer, Gunner M..... | Woodstock Field Battery | Mar. 31 | | | S | | | B |
| Brown, 2nd Lieutenant W. P..... | Halifax Brigade..... | Mar. 16 | | | Sp. | A | | |
| Burroughs, Lieutenant W. P..... | No. 1 Battery, Quebec... | June 15 | L | | | | | |
| Campbell, Gunner H..... | Hamilton Field Battery... | Mar. 31 | | | S | | | B |
| Carroll, Acting Bombardier J..... | "B" Battery, R. C. A.... | Dec. 13 | | | S | | | B |
| Cleugh, Gunner H. H..... | 1 Brigade Field Artillery | Mar. 31 | | | S | | | B |
| Cole, Captain F. M..... | Montreal Brigade..... | June 4 | | | Sp. | A | | |
| Coombes, Quartermaster Sergt. J. | Hamilton Field Battery... | Mar. 31 | | | S | | | B |
| Curren, Lieutenant Colonel A. E. | Halifax Brigade..... | do 10 | | | Sp. | A | | |
| Curren, Captain J. E..... | do | Mar. 10 | | | Sp. | A | | |
| Dagneau, 2nd Lieutenant J. M..... | No. 2 Battery, Quebec... | Mar. 31 | | | S | | | |
| Daley, Sergeant C..... | Digby do | do 31 | | | S | | | B |
| Davison, 2nd Lieutenant H. M..... | Charlottetown Engineers | Oct. 5 | | | Sp. | A | | |
| Denman, Gunner F..... | Montreal Brigade..... | Dec. 3 | | | S | | | B |
| DeWolf, Lieutenant J. C..... | Halifax do | Mar. 31 | | | S | | | |
| Doidge, 2nd Lieutenant E..... | Winnipeg Field Battery. | Nov. 30 | | | S | | A | |
| Donaldson, Bombardier F. N..... | 1 Brigade, F. A..... | Mar. 31 | | | S | | | B |
| Dudley, Gunner J..... | Shefford Field Battery... | Mar. 31 | | | S | | | B |
| Elliot, 2nd Lieutenant F..... | Halifax Brigade..... | do 16 | | | Sp. | A | | |
| Ernst, Gunner P..... | Mahone Bay Battery..... | Mar. 31 | | | S | | | B |
| Fearnside, Sergeant W..... | Hamilton Field Battery... | do 31 | | | S | | | B |
| Fellows, Acting Bombardier A.... | "B" Battery, R. C. A.... | Dec. 13 | | | S | | | B |
| Fisher, Gunner G. A..... | Pictou do | Mar. 31 | | | S | | | B |
| Flowers, 2nd Lieutenant H..... | Halifax Brigade..... | Feb. 24 | | | Sp. | A | | |
| Garrison, Captain W. A..... | do | Mar. 10 | | | Sp. | A | | |
| Gimblett, Acting Bombardier W.... | "A" Battery, R. C. A.... | Dec. 1 | | | S | | | B |

LIST of Certificates—Continued.

| Name and Rank. | Corps. | Date of Certificate. | | Course. | | | Grade. | |
|-------------------------------------|-------------------------------|----------------------|---------------|---------|--------|----------|--------|----|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Gregor, 2nd Lieutenant L. R. | Montreal Brigade | Sept. 3 | | | | Sp. A | | |
| Harris, Corporal H. S. | Halifax do | June 11 | | L | | | | B |
| Hart, Bombardier J. W. | 1 Brigade F. A. | Mar. 31 | | S | | | | B |
| Hartshorn, Acting Bombadier R. | "A" Battery, R. C. A. | | Dec. 15 | S | | | | B |
| Hawk, Sergeant G. M. | Richmond Field Battery. | Dec. 6 | | S | | | | B |
| Hull, Gunner W. S. | "B" Battery, R. C. A. | do 13 | | S | | | | B |
| Hutchinson, Bombardier A. E. | Durham Field Battery. | Mar. 31 | | S | | | | B |
| Irvine, Gunner J. | New Brunswick Brigade. | do 31 | | S | | | | B |
| Kendall, Acting Bombardier J. | "A" Battery, R. C. A. | Dec. 1 | | S | | | | B |
| Larkin, Bombardier J. | "B" do | do 13 | | S | | | | B |
| Leslie, Lieutenant D. | P. E. Island Brigade | Nov. 19 | | | | Sp. A | | |
| Mailoux, Lieutenant A. | Quebec Field Battery | do 3 | | S | | | A | |
| Malsbury, Gunner J. R. | Montreal Brigade. | Mar. 31 | | S | | | | B |
| Maxwell, Lieutenant J. | Halifax do | Feb. 24 | | | | Sp. A | | |
| McCormick, Bombardier C. H. | "B" Battery, R. C. A. | Dec. 13 | | S | | | | B |
| McDonald, 2nd Lieutenant D. L. | Sydney Field Battery. | July 11 | | | | A | | |
| McDonald, Gunner J. | Hamilton do | Nov. 30 | | S | | | | B |
| McLean, Gunner W. | "B" Battery, R. C. A. | Dec. 13 | | S | | | | B |
| McRae, Sergeant J. C. | Welland Canal F. B. | Nov. 30 | | S | | | | B |
| Nicol, Gunner J. | "B" Battery, R. C. A. | Dec. 13 | | S | | | | B |
| Nolan, Corporal D. | Lévis Battery. | Mar. 31 | | S | | | | B |
| Pelletier, Lieutenant O. C. C. | Regt. Can. Artillery | Jan. 24 | L | | | A | | |
| Reynolds, 2nd Lieutenant C. R. | Halifax Brigade. | Feb. 27 | | | | Sp. A | | |
| Reynolds, Bombardier T. | Durham Field Battery. | Mar. 31 | | S | | | | B |
| Richardson, Gunner M. | "B" Battery, R. C. A. | Dec. 13 | | S | | | | B |
| Ritchie, Bombardier T. | 1 Brigade F. A. | Mar. 31 | | S | | | | B |
| Rourke, Gunner W. | New Brunswick Brigade. | do 31 | | S | | | | B |
| Sellwood, Bombardier F. | "B" Battery, R. C. A. | Dec. 13 | | S | | | | B |
| Sillifant, Bombardier M. | do do | do 13 | | S | | | | B |
| Skinner, Gunner F. | Sheffield Field Battery. | Mar. 31 | | S | | | | B |
| Smith, Gunner H. | Pictou Battery. | Mar. 31 | | S | | | | B |
| Stewart, 2nd Lieutenant W. J. | Halifax Brigade | Mar. 31 | | | | Sp. A | | |
| Stewart, 2nd Lieutenant W. J. | do | Apr. 14 | | | | Sp. A | | |
| Taylor, Corporal C. | Digby Battery. | Mar. 31 | | S | | | | B |
| Troy, Gunner J. | Woodstock Field Battery | Aug. 8 | | S | | | | B |
| Trumbull, Sergeant R. E. | Hamilton do | Mar. 31 | | S | | | | B |
| Webster, Gunner A. | Durham do | Mar. 31 | | S | | | | B |
| Wiley, Gunner R. | Woodstock do | Mar. 31 | | S | | | | B |
| Total 68. | | 43 | 25 | 3 | 51 | 14 | 21 | 47 |

CAVALRY.

| | | | | | | | | |
|-------------------------------------|----------------------------|---------|---|---|--|-------|--|---|
| Binnington, Corporal A. | Prescott Troop. | Mar. 31 | | S | | | | B |
| Breakey, 2nd Lieutenant A. | Q. O. C. Hussars. | Feb. 27 | | S | | | | B |
| Brechin, Sergeant G. | King's Troop. | Mar. 31 | | S | | | | B |
| Buchner, Captain W. | 2nd Regiment. | Mar. 8 | | S | | A | | |
| Coates, Trumpeter J. | Prescott Troop. | Mar. 31 | | S | | | | B |
| Fairweather, Corporal F. | 8th Regiment. | Apr. 26 | | S | | | | B |
| Fountain, Lance Corporal W. H. | Cavalry School Corps. | do 26 | | S | | | | B |
| Herley, Private T. | Q. O. C. Hussars | Apr. 23 | | S | | | | B |
| Kane, Corporal F. W. | G. G. Body Guard. | Aug. 18 | | S | | | | B |
| Ketchum, Corporal F. | 8th Regiment. | Mar. 31 | | S | | | | B |
| Markham, Lieutenant A. J. | do | July 16 | L | | | A | | |
| Oswald, Lieutenant J. K. | Co. Mounted Infantry | Aug. 18 | | | | Sp. A | | |
| Ross, Sergeant J. A. | Q. O. C. Hussars | Mar. 31 | | S | | | | B |
| Servos, Lieutenant A. | 2nd Regiment. | Feb. 27 | | | | Sp. A | | |
| Sherwood, Corporal A. | 8th do | Apr. 26 | | S | | | | B |
| Staples, Private T. | Cavalry School Corps. | Apr. 26 | | S | | | | B |

LIST of Certificates—Continued.

| Name and Rank. | Corps. | Date of Certificate. | | Course. | | | Grade | |
|-------------------------------|---------------------------|----------------------|---------------|---------|--------|----------|-------|-------|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Stuart, Private D..... | Cavalry School Corps..... | ..... | Apr. 26 | ..... | S | ..... | ..... | B |
| Todd, Private J..... | do do..... | Apr. 26 | ..... | ..... | S | ..... | ..... | B |
| Wedderburn, Captain F. V..... | 8th Regiment..... | July 16 | ..... | L | ..... | ..... | A | ..... |
| Total 19..... | ..... | 12 | 7 | 2 | 15 | 2 | 5 | 14 |

INFANTRY.

| | | | | | | | | |
|-------------------------------------|---------------------------|---------|---------|-------|-------|-------|-------|-------|
| Alexander, Captain G..... | 82nd Battalion..... | Mar. 31 | ..... | ..... | S | ..... | A | ..... |
| Alexander, Private H..... | 62nd do..... | do 31 | ..... | ..... | S | ..... | ..... | B |
| Allan, 2nd Lieutenant J. R..... | 82nd do..... | do 31 | ..... | ..... | ..... | ..... | A | ..... |
| Archibald, Sergeant C..... | 55th do..... | ..... | Mar. 30 | ..... | S | ..... | ..... | B |
| Armstrong, Sergeant N..... | 96th do..... | ..... | do 30 | ..... | S | ..... | ..... | B |
| Atkinson, Corporal I..... | 39th do..... | ..... | do 30 | ..... | ..... | ..... | ..... | B |
| Badham, Lance Corporal H..... | Co. Mounted Infantry..... | Mar. 31 | ..... | ..... | S | ..... | ..... | B |
| Barber, Sergeant H..... | 93rd Battalion..... | do 31 | ..... | ..... | ..... | ..... | ..... | B |
| Barlow, Private H. W..... | "C" Company, I. S. C..... | ..... | Mar. 30 | ..... | S | ..... | ..... | B |
| Barthe, 2nd Lieutenant G. R..... | 86th Battalion..... | ..... | June 30 | ..... | ..... | ..... | A | ..... |
| Beament, Corporal H..... | 43rd do..... | ..... | Mar. 30 | ..... | S | ..... | ..... | B |
| Beaton, 2nd Lieutenant A..... | 82nd do..... | ..... | June 22 | ..... | Sp. | A | ..... | ..... |
| Beattie, Captain T..... | 7th do..... | ..... | July 6 | ..... | Sp. | A | ..... | ..... |
| Bell, Captain B. H..... | 43rd do..... | ..... | Nov. 30 | ..... | Sp. | A | ..... | ..... |
| Benn, 2nd Lieutenant F. H..... | 62nd do..... | Jan. 13 | ..... | ..... | S | ..... | A | ..... |
| Benn, 2nd Lieutenant F. H..... | 62nd do..... | ..... | Mar. 26 | L | ..... | A | ..... | ..... |
| Beresford, Corporal G. W..... | 27th do..... | ..... | July 7 | ..... | S | ..... | ..... | B |
| Bessette, Private W..... | "B" Company, I. S. C..... | Dec. 3 | ..... | ..... | S | ..... | ..... | B |
| Blackmore, 2nd Lieutenant R..... | 63rd Battalion..... | May 28 | ..... | ..... | Sp. | A | ..... | ..... |
| Blackwell, Captain T. S..... | 54th do..... | ..... | Dec. 3 | ..... | Sp. | A | ..... | ..... |
| Blakeley, Sergeant D..... | 47th do..... | ..... | Nov. 30 | ..... | S | ..... | ..... | B |
| Blouin, Lieutenant A..... | 9th do..... | ..... | June 30 | ..... | Sp. | A | ..... | ..... |
| Boehmer, Private A..... | G. G. Foot Guards..... | April 5 | ..... | ..... | S | ..... | ..... | B |
| Borland, Sergeant D..... | "C" Company, I. S. C..... | ..... | June 30 | ..... | S | ..... | ..... | B |
| Bourne, 2nd Lieutenant F. W..... | 67th Battalion..... | Mar. 31 | ..... | ..... | S | ..... | A | ..... |
| Bowen, Lieutenant W. N..... | 42nd do..... | ..... | do 30 | ..... | S | ..... | A | ..... |
| Bradbury, Lieutenant S. J..... | 43rd do..... | ..... | June 30 | ..... | S | ..... | A | ..... |
| Bramley, Private J. W..... | 19th do..... | ..... | Nov. 30 | ..... | S | ..... | ..... | B |
| Brathwaite, Lance Corporal A..... | "C" Company, I. S. C..... | ..... | June 30 | ..... | S | ..... | ..... | B |
| Brearley, Private T. F..... | 39th Battalion..... | ..... | Nov. 30 | ..... | S | ..... | ..... | B |
| Brown, Private T. P..... | 27th do..... | ..... | Dec. 10 | ..... | S | ..... | ..... | B |
| Bryant, Private R..... | 82nd do..... | ..... | do 5 | ..... | S | ..... | ..... | B |
| Bull, Corporal W..... | 67th do..... | Mar. 31 | ..... | ..... | S | ..... | ..... | B |
| Burgar, Corporal R..... | 27th do..... | ..... | July 5 | ..... | S | ..... | ..... | B |
| Burnham, Corporal H..... | 46th do..... | ..... | Nov. 20 | ..... | S | ..... | ..... | B |
| Byng-Hall, Corporal C..... | G. G. Foot Guards..... | April 5 | ..... | ..... | ..... | ..... | ..... | B |
| Campbell, Sergeant H. T..... | 68th Battalion..... | ..... | Mar. 31 | ..... | S | ..... | ..... | B |
| Campbell, 2nd Lieutenant O. D..... | 56th do..... | ..... | June 30 | ..... | S | ..... | A | ..... |
| Carmichael, Captain A..... | 96th do..... | ..... | April 5 | ..... | S | ..... | ..... | ..... |
| Carpenter, 2nd Lieutenant A. E..... | 13th do..... | ..... | June 30 | ..... | S | ..... | A | ..... |
| Chapman, 2nd Lieutenant C. A..... | 13th do..... | ..... | Mar. 30 | ..... | Sp. | A | ..... | ..... |
| Chinic, Lieutenant J. E..... | Inf. School Corps..... | ..... | June 22 | L | ..... | A | ..... | ..... |
| Christie, Lieutenant A. E..... | 38th Battalion..... | ..... | do 30 | ..... | Sp. | A | ..... | ..... |
| Clark, Private W..... | 74th do..... | ..... | do 22 | ..... | S | ..... | ..... | B |
| Clifford, Private W..... | 14th do..... | ..... | Nov. 30 | ..... | S | ..... | ..... | B |
| Cohoe, Corporal E..... | 44th do..... | ..... | June 30 | ..... | S | ..... | ..... | B |
| Coleman, 2nd Lieutenant T..... | 2nd do..... | ..... | Aug. 15 | ..... | Sp. | A | ..... | ..... |
| Collaton, Sergeant E..... | 19th do..... | ..... | June 20 | ..... | S | ..... | ..... | B |
| Collins, 2nd Lieutenant W. A..... | 19th do..... | ..... | Nov. 30 | ..... | Sp. | A | ..... | ..... |
| Cooney, Sergeant C..... | 68th do..... | ..... | Mar. 31 | ..... | S | ..... | ..... | B |
| Cooper, Sergeant A. T..... | 22nd do..... | ..... | Dec. 10 | ..... | S | ..... | ..... | B |
| Cooper, Col.-Sergeant G. E..... | 2nd do..... | ..... | Nov. 30 | ..... | S | ..... | ..... | B |

LIST of Certificates—Continued.

| Name and Rank. | Corps. | Date of Certificate | | Course. | | | Grade. | |
|------------------------------------|------------------------|---------------------|---------------|---------|--------|----------|--------|---|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Cooper, 2nd Lieutenant H. B. | 12th Battalion | | Nov. 30 | | S | | A | |
| Coote, 2nd Lieutenant F. | 89th do | June 30 | | | | Sp. | A | |
| Cowan, Lieutenant J. W. | 7th do | | July 5 | | | Sp. | A | |
| Craig, Corporal H. W. | 71st do | | Mar. 3 | | S | | A | |
| Craig, Lance Corporal J. W. | "C" Company, I. S. C. | | Nov. 30 | | S | | | B |
| Creed, Corporal E. W. | 78th Battalion | | June 22 | | S | | | B |
| Curtis, Corporal W. | 46th do | | Mar. 30 | | S | | | B |
| Davies, Lance Corporal M. C. | Co. Mounted Infantry. | Mar. 31 | | | S | | | B |
| Deacon, Corporal H. | 42nd Battalion | | June 18 | | S | | | B |
| Domville, 2nd Lieutenant P. | 13th do | | Mar. 20 | | S | | A | |
| Drolet, Captain J. C. | Infantry School Corps. | | July 13 | L | | | A | |
| Dupuis, Private P. | "B" Company, I. S. C. | | April 5 | | S | | | B |
| Eaton, Lieutenant D. J. | 93rd Battalion | Jan. 31 | | | S | | A | |
| Eaton, Lieutenant D. J. | 93rd do | July 4 | | L | | | A | |
| Eaton, Sergeant R. B. | 78th do | June 22 | | S | | | | B |
| Ecclke, Private C. | 43rd do | | June 30 | | S | | | B |
| Elliott, 2nd Lieutenant H. C. S. | 35th do | | do 30 | | S | | A | |
| Elliott, Captain T. H. | 96th do | | Mar. 30 | | Sp. | | A | |
| Elliott, Captain T. H. | 96th do | Nov. 30 | | | S | | A | |
| Eldson, Private C. | 66th do | | Nov. 30 | | S | | | B |
| Enright, Corporal J. | 8th do | | April 5 | | S | | | B |
| Evanturel, Lieutenant O. | 9th do | | Dec. 3 | | S | | A | |
| Faddy, Private C. B. | 71st do | Nov. 30 | | | S | | | B |
| Ferguson, 2nd Lieutenant D. T. | 96th do | April 5 | | | S | | A | |
| Fitz, Sergeant W. E. | 14th do | | Nov. 30 | | S | | | B |
| Fitzgerald, 2nd Lieut. F. W. G. | 10th do | | Aug. 15 | | Sp. | | A | |
| Flynn, Private R. | 68th do | | June 22 | | S | | | B |
| Poster, Lieutenant J. R. | 74th do | | do 14 | | Sp. | | A | |
| Fowlds, Lieutenant H. W. | 40th do | | Mar. 30 | | S | | A | |
| Fraser, Corporal G. | 42nd do | | Nov. 30 | | S | | | B |
| Fraser, Lieutenant S. M. | 7th do | | June 30 | | Sp. | | A | |
| Furois, Sergeant E. F. | 9th do | | Dec. 3 | | S | | | B |
| Galbraith, Lieutenant W. J. A. | 79th do | | April 5 | | S | | A | |
| Gillis, 2nd Lieutenant R. | 94th do | Mar. 25 | | | Sp. | | A | |
| Gilmore, Private C. | "B" Company, I. S. C. | | Dec. 3 | | S | | | B |
| Goodburn, Private W. | 26th Battalion | | July 3 | | S | | | B |
| Greenwood, Corporal T. D. | 44th do | | Mar. 30 | | S | | | B |
| Hall, Private L. | 57th do | | June 30 | | S | | | B |
| Haslem, Private T. W. | "A" Company, I. S. C. | | Nov. 30 | | S | | | B |
| Hatt, Private F. N. | do do | Dec. 18 | | | S | | | B |
| Hickey, 2nd Lieutenant W. R. | 24th Battalion | | July 6 | | S | | A | |
| Hobkirk, Corporal H. R. | Co. Mounted Infantry | Mar. 31 | | | S | | | B |
| Holmes, Private W. H. | 42th Battalion | | June 30 | | S | | | B |
| Holtorf, 2nd Lieutenant W. | 45th do | | Mar. 10 | | S | | A | |
| Hooper, 2nd Lieutenant D. L. | 82nd do | | May 1 | | Sp. | | A | |
| Hora, Lieutenant W. | 14th do | Nov. 30 | | | Sp. | | A | |
| Howden, Private J. | 8th do | | April 5 | | S | | | B |
| Howden, Private J. | 8th do | June 30 | | | S | | | B |
| Howie, Sergeant H. | 47th do | | July 5 | | S | | | B |
| Hudson, Private W. de C. | Co. Mounted Infantry | Mar. 31 | | | S | | | B |
| Hutchins, Private J. | 71st Battalion | | Dec. 5 | | S | | | B |
| Johnson, Lieutenant W. N. | 24th do | | July 5 | | S | | A | |
| Jones, Captain G. E. A. | 8th do | Dec. 3 | | | Sp. | | A | |
| Kelly, Lieutenant T. G. | 71st do | Mar. 31 | | | S | | A | |
| Kittermaster, 2nd Lieutenant F. W. | 27th do | | Aug. 29 | | Sp. | | A | |
| Kobold, Lieutenant G. A. | 86th do | April 5 | | | S | | A | |
| Korrigth, 2nd Lieutenant H. A. | 35th do | | June 30 | | S | | A | |
| Langstroth, Lieutenant H. S. | 74th do | April 28 | | | Sp. | | A | |
| Lapointe, Sergeant E. J. | 9th do | Dec. 3 | | | S | | | B |
| Lapsley, Sergeant F. W. | 12th do | Nov. 30 | | | S | | | B |
| Lariviere, Private J. | 65th do | April 5 | | | S | | | B |
| Latter, Corporal J. | 68th do | Dec. 5 | | | S | | | B |

List of Certificates—Continued.

| Name and Rank. | Corps. | Date of Certificate. | | Course. | | | Grade. | |
|---------------------------------------|-----------------------|----------------------|---------------|---------|--------|----------|--------|---|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Leadbitter, Private G..... | 7th do | | July 3 | S | | | | B |
| LeBel, 2nd Lieutenant J. A. W..... | 9th do | Dec. 3 | | S | | | A | |
| Lech, 2nd Lieutenant K. G..... | 57th do | | Sept. 18 | Sp. | | | A | |
| Leiterman, Sergeant M..... | 96th do | | Mar. 30 | S | | | | B |
| Lepage, Corporal E..... | 9 h do | | June 30 | S | | | | B |
| L'Heureux, Private F..... | 9th do | | do 30 | S | | | | B |
| Llwyd, 2nd Lieutenant T. D. D..... | 2nd do | | Aug. 15 | Sp. | | | A | |
| Loscombe, Captain W. C..... | 32nd do | | do 10 | Sp. | | | A | |
| Macaulay, 2nd Lieutenant W. B..... | 6th do | | do 3 | Sp. | | | A | |
| MacDonald, Sergeant A. R..... | 94th do | | Mar. 31 | S | | | A | |
| Mackenzie, 2nd Lieut. J. D. B. F..... | 73rd do | | June 23 | Sp. | | | A | |
| Mackenzie, Lieutenant M. H..... | 94th do | | May 11 | Sp. | | | A | |
| Mackenzie, Lieutenant R..... | 27th do | | do 24 | Sp. | | | A | |
| Mackintosh, 2nd Lieutenant H. W..... | 63rd do | Nov. 30 | | Sp. | | | A | |
| MacNeil, Corporal P. B..... | 94th do | | Mar. 31 | S | | | | B |
| Mark, Color Sergeant A..... | 29th do | | July 12 | S | | | | B |
| Martin, Private W..... | 39th do | | Mar. 30 | S | | | | B |
| Martlin, Private W..... | 77th do | | Nov. 30 | S | | | | B |
| Mason, Captain J..... | 10th do | Aug. 15 | | Sp. | | | A | |
| Mayo, Private J..... | Co. Mounted Infantry | | Mar. 31 | S | | | | B |
| Megraw, Lieutenant A..... | 32nd Battalion | | Nov. 6 | Sp. | | | A | |
| Mercer, Lieutenant M. S..... | 2nd do | Aug. 11 | | Sp. | | | A | |
| Merrill, 2nd Lieutenant W. H..... | 15th do | | Nov. 30 | S | | | A | |
| Milkie, Lance Corporal H..... | 63rd do | | June 1 | S | | | | B |
| Mitchell, 2nd Lieutenant W. O..... | 28th do | | July 9 | Sp. | | | A | |
| Morrison, Sergeant F..... | 74th do | Dec. 8 | | S | | | | B |
| Munroe, Private P..... | 17th do | | June 30 | S | | | | B |
| Mutton, Captain W. G..... | 2nd do | Dec. 8 | | L | | | A | |
| McCleary, Lieutenant A. B..... | 42nd do | | June 18 | Sp. | | | A | |
| McDonald, Sergeant W..... | 20th do | | do 30 | S | | | | B |
| McEwen, Corporal R..... | G. G. Foot Guards. | | Nov. 30 | S | | | | B |
| McGirr, 2nd Lieutenant S. J..... | 51st Battalion | | do 30 | Sp. | | | A | |
| McKenny, Sergeant S..... | 60th do | | April 5 | S | | | | B |
| McLaren, 2nd Lieutenant J..... | 98th do | | Mar. 30 | S | | | A | |
| McLennan, Major R. R..... | 55th do | July 24 | | S | | | A | |
| McLeod, Private S..... | 71st do | Mar. 31 | | S | | | | B |
| McPhee, 2nd Lieutenant J. B..... | 35th do | | June 30 | S | | | A | |
| McRae, Corporal J. B..... | 34th do | | Nov. 30 | S | | | | B |
| Neilly, Lieutenant S. A..... | 35th do | | Mar. 30 | S | | | A | |
| O'Brien, Captain A. H..... | 35th do | Aug. 27 | | Sp. | | | A | |
| O'Donovan, Lieutenant Colonel M..... | 34th do | June 30 | | S | | | A | |
| O'Neill, Corporal J. F..... | 27th do | | July 5 | S | | | | B |
| O'Reilly, Private M. J..... | 5th do | June 30 | | S | | | | B |
| Osborne, 2nd Lieutenant W. W..... | 3th do | | Aug. 15 | Sp. | | | A | |
| Oswald, Lieutenant J. K..... | Co. Mounted Infantry | | July 13 | L | | | A | |
| Otterson, Sergeant J..... | 39th Battalion | | Mar. 30 | S | | | | B |
| Paradis, Private J. M..... | "B" Company I. S. C. | April 6 | | S | | | | B |
| Paré, Private R..... | do | | do 5 | S | | | | B |
| Payne, 2nd Lieutenant H..... | 7th Battalion | | do 10 | Sp. | | | A | |
| Percival, 2nd Lieutenant G..... | 95th do | | do 5 | S | | | A | |
| Perkins, Captain G. D..... | 67th do | Mar. 31 | | S | | | A | |
| Peters, Sergeant O..... | "C" Company, I. S. C. | Nov. 30 | | S | | | | B |
| Peuchen, 2nd Lieutenant A. G..... | 2nd Battalion | | Aug. 15 | Sp. | | | A | |
| Pickett, 2nd Lieutenant D. W..... | 67th do | Mar. 31 | | S | | | A | |
| Pooler, Color Sergeant J..... | 43rd do | | Mar. 30 | S | | | | B |
| Preece, Private J..... | 35th do | | Nov. 30 | S | | | | B |
| Preston, Captain J. A. V..... | 46th do | Aug. 29 | | Sp. | | | A | |
| Priestley, Sergeant Major S. W..... | 32nd do | Dec 11 | | S | | | | B |
| Pringle, Corporal J..... | 71st do | | Mar. 31 | S | | | | B |
| Ptolemy, Lieutenant W. H..... | 77th do | | do 30 | S | | | A | |
| Purdon, Corporal A..... | 44th do | Mar. 30 | | S | | | | B |
| Rankin, 2nd Lieutenant J. L..... | 5th do | | April 6 | Sp. | | | A | |
| Ransome, Corporal R..... | 42nd do | | June 18 | S | | | | B |

LIST of Certificates—Continued.

| Name and Rank. | Corps. | Date of Certificate. | | Course. | | | Grade. | |
|--------------------------------|------------------------|----------------------|---------------|---------|--------|----------|--------|-----|
| | | First Class. | Second Class. | Long. | Short. | Special. | A | B |
| Rayne, Sergeant R. W. | 78th do | Mar. 31 | | | S | | | B |
| Redden, Private M. | 47th do | | Nov. 30 | | S | | | B |
| Redmond, Private J. | 42nd do | | do 30 | | S | | | B |
| Reeves, Private J. | 35th do | | Mar. 4 | | S | | | B |
| Richards, Private W. G. | 21st do | | Dec. 7 | | S | | | B |
| Rielly, Private R. | 30th do | | do 7 | | S | | | B |
| Ritchie, 2nd Lieutenant J. D. | 66th do | Apr. 9 | | | | Sp. | A | |
| Roche, Lieutenant J. D. | Infantry School Corps. | | June 22 | L | | | A | |
| Rochon, Private A. | "B" Company, I. S. C. | Apr. 1 | | | S | | | B |
| Rochon, Lieutenant A. | 81st Battalion | | April 6 | | S | | A | |
| Rogers, 2nd Lieutenant S. M. | 43rd do | | Nov. 3 | | | Sp. | A | |
| Rorke, Lieutenant H. V. | 31st do | | June 30 | | S | | A | |
| Ross, 2nd Lieutenant A. M. | 75th do | | May 1 | | S | | A | |
| Ross, Sergeant H. L. | 67th do | Mar. 31 | | | S | | | B |
| Ross, Lieutenant W. | 31st do | June 30 | | | S | | A | |
| Ross, Lieutenant W. | 67th do | Mar. 31 | | | S | | A | |
| Ruddy, 2nd Lieutenant J. | 38th do | | June 11 | | | Sp. | A | |
| Ryall, Private E. J. | 24th do | | July 2 | | S | | | B |
| Ryall, Private F. A. | 24th do | | do 2 | | S | | | B |
| Ryan, Private R. L. | "B" Company, I. S. C. | Apr. 5 | | | S | | | B |
| Sanson, 2nd Lieutenant J. E. | 71st Battalion | Mar. 31 | | | S | | A | |
| Sankey, Captain V. | 2nd do | Oct. 26 | | | | Sp. | A | |
| Senior, Corporal A. W. | 30th do | | July 7 | | S | | | B |
| Shaw, Private J. L. | 24th do | | do 2 | | S | | | B |
| Shirley, Lieutenant V. W. | 27th do | | June 13 | | | Sp. | A | |
| Shorey, 2nd Lieutenant A. K. | 6th do | | Aug. 31 | | S | | A | |
| Shute, Lance Corporal W. R. | 63rd do | Nov. 30 | | | S | | | B |
| Sippell, Private E. | 67th do | Mar. 31 | | | S | | | B |
| Smith, 2nd Lieutenant E. F. | 66th do | Apr. 9 | | | S | | A | |
| Smith, Lieutenant J. S. | 98th do | | Mar. 30 | | S | | A | |
| Smythe, Private D. | 43rd do | | April 5 | | S | | | B |
| Soucy, Sergeant J. O. | 86th do | | Dec. 3 | | S | | | B |
| Splan, Private T. | 27th do | | July 7 | | S | | | B |
| Starr, 2nd Lieutenant G. L. | 41st do | | do 6 | | S | | A | |
| Starr, 2nd Lieutenant G. L. | 41st do | Oct. 21 | | | S | | A | |
| Stevens, Private H. J. | 24th do | | July 2 | | S | | | B |
| Stewart, 2nd Lieutenant A. | 3rd do | | June 30 | | | Sp. | A | |
| Strouler, Private E. | G. G. Foot Guards. | | April 5 | | S | | | B |
| Swariz, Sergeant E. O. | 32nd Battalion | Dec. 12 | | | S | | | B |
| Symonds, Corporal J. T. C. | Co. Mounted Infantry | Mar. 31 | | | S | | | B |
| Taylor, Private C. H. | 67th Battalion | | April 19 | | S | | | B |
| Taylor, Corporal T. A. | Co. Mounted Infantry | Mar. 31 | | | S | | | B |
| Thairs, Lieutenant G. | 19th Battalion | June 30 | | L | | | A | |
| Townsend, 2nd Lieutenant S. B. | 3rd do | | June 30 | | | Sp. | A | |
| Tracy, Captain T. H. | 7th do | May 14 | | | | Sp. | A | |
| Tripp, Sergeant P. | 56th do | | Mar. 30 | | S | | | B |
| Tucker, Private F. W. | "C" Company, I. S. C. | | June 30 | | S | | | B |
| Vandersluis, Lieutenant J. A. | 44th Battalion | | Mar. 30 | | S | | A | |
| Vidal, Lieutenant O. E. K. | 6th do | June 30 | | | S | | A | |
| Waddell, Q. M. Sergeant H. B. | 68th do | | June 22 | | S | | | B |
| Walker, 2nd Lieutenant E. M. | 47th do | | Nov. 30 | | | Sp. | A | |
| Wall, Private R. | "B" Company, I. S. C. | April 5 | | | S | | | B |
| Ward, 2nd Lieutenant E. H. | 68th Battalion | Mar. 31 | | | S | | A | |
| Ward, Color Sergeant F. A. | 22nd do | | July 5 | | S | | | B |
| Weir, 2nd Lieutenant A. | 32nd do | | June 12 | | | Sp. | A | |
| Weir, Lieutenant A. | 32nd do | Nov. 30 | | | | Sp. | A | |
| Wetmore, Lieutenant O. W. | 74th do | Mar. 31 | | | S | | A | |
| Weyman, 2nd Lieutenant O. W. | 74th do | do 31 | | | S | | A | |
| Willets, Private W. J. | 30th do | | Dec. 7 | | S | | | B |
| Williams, 2nd Lieutenant C. E. | 23rd do | | Sept. 15 | | | Sp. | A | |
| Williams, Private F. | 66th do | | Dec. 31 | | S | | | B |
| Wilson, 2nd Lieutenant J. A. | 33rd do | Mar. 30 | | | S | | A | |
| Total 239 | | 78 | 161 | 8 | 177 | 54 | 117 | 122 |

LIST of Certificates—*Concluded.*

MILITARY QUALIFICATION.

| | | | | | | | |
|----------------------------|---------------------------|------------|-------|---|-------|---|-------|
| Crawford, Cadet A. L..... | Royal Military College... | Nov. 21... | ..... | S | ..... | A | ..... |
| Gunn, Cadet J. A..... | do | do 21... | ..... | S | ..... | A | ..... |
| Jones, Cadet F. P..... | do | June 28... | ..... | S | ..... | A | ..... |
| McDongall, Cadet E. M..... | do | do 28... | ..... | S | ..... | A | ..... |
| Newman, Cadet P. J..... | do | Oct. 6... | ..... | S | ..... | A | ..... |
| Total 5..... | ..... | 5 | ..... | 5 | ..... | 5 | ..... |

RECAPITULATION.

| Certificate. | First Class. | Second Class. | Long. | Short. | Special. | A | B | Total. |
|-----------------------------|--------------|---------------|-------|--------|----------|-------|-------|--------|
| Engineer..... | 6 | 2 | 1 | 7 | ..... | ..... | 8 | 8 |
| Artillery..... | 43 | 25 | 3 | 51 | 14 | 21 | 47 | 63 |
| Cavalry .. | 12 | 7 | 2 | 15 | 2 | 5 | 14 | 19 |
| Infantry..... | 78 | 161 | 8 | 177 | 54 | 117 | 122 | 239 |
| Military Qualification..... | 5 | ..... | ..... | 5 | ..... | 5 | ..... | 5 |
| Total..... | 144 | 195 | 14 | 255 | 70 | 148 | 191 | 339 |

APPENDIX No. II.

ROYAL MILITARY COLLEGE OF CANADA.

ANNUAL REPORT.

ROYAL MILITARY COLLEGE, KINGSTON, 16th July, 1888.

SIR,—I have the honor to submit my Annual Report for the term 1887-88.

The following Cadets having completed their full course of instruction have received diplomas:—

Diplomas with Honors—

Artillery, Practical Geometry, French, Civil Engineering, Drills and Company Sergeant-Major H. G. Joly de Lotbinière—Distinguished in Mathematics, Exercises, Non-Commissioned Officers' Discipline.

Battalion Sergeant-Major W. B. Lesslie—Distinguished in Mathematics, Artillery, French, Civil Engineering, Drills and Exercises, Non-Commissioned Officers' Discipline.

Cadet C. B. Farwell—Distinguished in Artillery, Military History, &c., Practical Geometry, Chemistry, Physics, Civil Engineering.

Ordinary Diplomas—

Cadet W. C. G. Heneker—Distinguished in Military History.

Company Sergeant-Major W. W. Grant—Distinguished in Practical Geometry, Drills and Exercises, Non-Commissioned Officers' Discipline.

Company Sergeant-Major A. E. Panet—Distinguished in French, Civil Engineering.

Company Sergeant-Major A. G. Bremner—Distinguished in Drills and Exercises, Non-Commissioned Officers' Discipline.

Sergeant J. W. Mylne—Distinguished in Civil Engineering, Drills and Exercises.

Cadet F. E. L. Barker.

Sergeant A. M. Cayley.

Sergeant E. C. Hamilton—Distinguished in French.

Second Class Diplomas—

Sergeant G. N. Johnson.

Cadet H. W. Johnston.

The last two have been issued by special authority. These Cadets failed to pass an examination shortly after the present rules came into operation, and were allowed as a special case to remain and qualify for second class diplomas.

Sword for Good Conduct and Discipline.

The sword granted for good conduct and discipline has been awarded to Sergt.-Major W. B. Lesslie.

The Governor-General's Medals.

The three medals presented annually by His Excellency the Governor General for proficiency during the entire course of four years have been awarded as follows:

Gold Medal—Co. Sergt.-Major H. G. Joly de Lotbinière.

Silver Medal—Batt. Sergt.-Major W. B. Lesslie.

Bronze Medal—Cadet C. B. Farwell.

Prizes for Subjects.

The prizes granted for the greatest number of marks obtained in each subject during the entire course have been awarded thus :—

Military History, Tactics, Administration, &c.—Cadet Farwell.
 Surveying, Military Topography and Practical Astronomy—Cadet Farwell.
 Reconnaissance—Co. Sergt.-Major Joly de Lotbinière.
 Artillery—Sergt. Rogers.
 Military Engineering—Cadet Farwell.
 Practical Geometry and Engineering Drawing—Sergt. Fraser.
 Mathematics and Mechanics—Co. Sergt.-Major Joly de Lotbinière.
 French—Co. Sergt.-Major Panet.
 English—Co. Sergt.-Major Joly de Lotbinière.
 Freehand Drawing and Painting—Sergt. Bremner.
 Physics—Co. Sergt.-Major Joly de Lotbinière.
 Chemistry—Cadet Farwell.
 Geology—Co. Sergt.-Major Joly de Lotbinière and Cadet Farwell.
 Civil Engineering—Batt. Sergt.-Major Lesslie.
 Drills and Exercises—Co. Sergt.-Major Joly de Lotbinière.

Class Prizes.

The prizes granted to the Cadets who score the highest total of marks during the term in their respective classes have been won thus :—

First Class—Co. Sergt. Major Joly de Lotbinière.
 Second Class—Sergt. Fraser.
 Third Class—Cadet Newman.
 Fourth Class—Cadet McInnes.

Highest totals of Marks obtained in each subject during the year.

The Names of the Cadets who gained the highest total of Marks in the year in the different Subjects are :—

| Subjects. | 1st Class. | 2nd Class. | 3rd Class. | 4th Class. |
|-----------------------------------|-------------------------------------|-------------|-------------------------|------------------|
| Mathematics..... | Lesslie..... | Fraser..... | Campbell..... | McInnes..... |
| Military Engineering..... | Farwell..... | Rogers..... | Newman..... | Mitchell..... |
| Surveying and Reconnaissance..... | Joly de Lotbinière..... | Rogers..... | Newman..... | |
| Artillery..... | | Rogers..... | Newman..... | |
| Engineering Drawing..... | | Fraser..... | Leckie and L. Amos..... | Van Tuyl..... |
| Military History, &c..... | Farwell..... | Rogers..... | Newman..... | |
| French..... | Panet..... | Kerr..... | Amos, L..... | Amos, M..... |
| English..... | | Kerr..... | Newman..... | Johnston, J..... |
| Chemistry..... | Farwell..... | Rogers..... | | |
| Physics..... | Joly de Lotbinière..... | Fraser..... | | |
| Geology..... | Joly de Lotbinière and Farwell..... | | | |
| Freehand Drawing..... | Bremner..... | Fraser..... | Leckie..... | Mitchell..... |
| Civil Engineering..... | Lesslie..... | | | |

Commissions in the Imperial Army.

In addition to the four Commissions annually granted in the Imperial Army others were this year available.

An application was recently received from the War Office, asking how many officers could be furnished this year to the Royal Artillery.

Another communication was subsequently received offering six additional Commissions in the Royal Engineers.

The following graduates have been recommended for Commissions:—

For Royal Engineers.

Co. Sergt.-Major H. G. Joly de Lotbinière.

Batt. Sergt.-Major W. B. Lesslie.

Cadet C. B. Farwell.

Co. Sergt.-Major A. E. Panet.

Co. Sergt.-Major A. G. Bremner.

For Royal Artillery.

Cadet F. E. L. Barker.

Sergeant A. W. Cayley.

Sergeant G. N. Johnston.

For Cavalry.

Sergeant E. C. Hamilton.

For Infantry.

Cadet W. C. G. Heneker.

Messrs. Grant, Mylne and H. Johnston did not wish for Commissions.

Cadets who have received Appointments in the Permanent Militia Corps or in the Civil Service.

Since my last report was furnished, the following Graduates or ex Cadets have received appointments under the Canadian Government:—

F. M. Gaudet, Lieut., "C" Battery, Royal Canadian Artillery.

A. C. Macdonell, Lieut., School of Mounted Infantry.

S. A. Denison, Lieut., Infantry School Corps.

Failures to pass.

I am happy to report that there has been only one absolute failure to pass the examinations of the past term, and this appears to have been an intentional one.

Two Cadets will have to be re-examined in November, having been absent part of the term through sickness.

Sunday Lectures.

During the past winter a series of lectures on various subjects of interest was given by members of the Staff and others on Sunday afternoons to those Cadets who cared to be present. These lectures were well attended, and I consider them to have been of great benefit by occupying time that would otherwise have often been spent in idleness.

Lectures on Surgery.

I have to thank Sergeant Major Neilson, Royal Canadian Artillery, for a series of lectures on simple practical surgery which he delivered to the senior class.

Equitation Course.

The graduating class has been through a very complete course of equitation under the personal instruction of Captain Drury, Adjutant of "A" Battery Royal Canadian Artillery.

This officer deserves great credit for the pains he took and the high degree of proficiency to which he brought the class.

The several examiners report as follows :—

Professor of Artillery.

I have to report but one failure in Artillery, and that is in the 3rd class.

The marks obtained by the 2nd class are above the average, and a fair number took up one section of the voluntary portions. Mr. Rogers is first in this class, closely followed by several others.

In the 3rd class Mr. Newman has done extremely well, but has spoilt his certainty of honours on this subject, by declining, in common with the other members of his class, to take the voluntary section of term.

The voluntary sections of Artillery are not taken up as they should be, at any rate by those Cadets who intend to join the Artillery branch of the Service.

If the voluntary, especially the advanced gunnery section, is not more generally taken up I should recommend that considerable alterations be made in the obligatory course.

Professor of Mathematics.

1st Class.—Two cadets, viz., Batt. S. M. Lesslie and Co. S. M. Joly de Lotbinière continued the voluntary study of the calculus and did fairly well. The general work of the class was, of course, finished last year.

2nd Class.—This class is decidedly weak in mathematics, it has, however, worked better this year than last. Very little voluntary work has been done. Sergt. Fraser is the best.

3rd Class.—This is much the best class I have yet had. They are both further advanced and more accurate in their work than previous classes I have been acquainted with. Cadets Campbell, Newman and Morris, R., in voluntary work, and Campbell, Browne and Dobell in obligatory work have sent in especially good papers.

4th Class.—There have been no disqualifications in this class, as has been usual, although the standard was raised this year, and the promise for the future is decidedly good.

Professor of Military History.

1st Class.—A great improvement over that of last year. Cadets Farwell, Heneker, Joly de Lotbinière and Lesslie have done remarkably well. Mr. Farwell receives the prize and, with Mr. Heneker, obtain "special mention" in this subject.

2nd Class.—This class has improved since last reported upon, but it is still weak.

3rd Class.—I think this class will do well in time. There are one or two weak ones.

Professor of Surveying.

1st Class.—Co. Sergt.-Major Joly de Lotbinière, Batt. Sergt.-Major Lesslie and Cadet Farwell have come out very well.

2nd Class.—Have done fairly well; Messrs. Rogers, Fraser, Simpson, and Murray have done very well.

3rd Class.—Cadets Campbell, Newman and Leckie deserve special mention.

Professor of Military Engineering.

Obligatory Military Engineering—

1st Class.—The work of this class has been satisfactory. Mr. Farwell is first on the year's work with almost 79 per cent. Messrs. Joly de Lotbinière and Lesslie are equal, second, with nearly 71 per cent. Mr. Hamilton has just failed to qualify.

Voluntary Military Engineering—

None taken up.

Four Years' Course—

Mr. Farwell takes the prize with 78 per cent. of the obligatory maximum, higher marks than have been obtained for some years past. Mr. Joly de Lotbinière with 70 per cent. is second, closely followed by Mr. Heneker.

Obligatory Military Engineering—

2nd Class.—The work of this class has been only fairly satisfactory. Mr. Rogers is first on the year's work with 71 per cent., very closely pressed by Messrs. Hamilton, Whitehead, Murray, Fraser, Baker and McLennan.

All have qualified on the total for the term, but Johnston, H., has failed slightly in examination, and Birmingham, Kerr, Rose and Smart in term work, (the last badly).

On the Three Years' Course—

Mr. Kerr is still considerably below qualification.

Voluntary Military Engineering—

None taken up.

Obligatory Military Engineering—

3rd Class.—The work of the majority of this class is most satisfactory, but several have done very badly. Mr. Newman is first on the year's work with 84 per cent., higher marks than have been obtained for some years past. Mr. Amos is second, with 81 per cent., Mr. Leckie third, with 80 per cent.

Voluntary Military Engineering—

Thirteen cadets went in for this examination, of whom nine qualified.

Two Years' Course—

Messrs. Emery, Cleghorn, Hampson and Brock (?) are below qualification.

Obligatory Military Engineering—

4th Class.—The work of this class has been very satisfactory. Mr. Mitchell is first with 80 per cent., Mr. Mackie second with 79 per cent., Mr. Van Tuyl third with 77 per cent. One cadet only (Mr. Smith) failed to obtain 50 per cent., and he only by a very few marks.

Voluntary—

Nil.

Practical Geometry and Engineering Drawing—

1st Class.—Nil.

2nd Class.—Obligatory—nil. Voluntary—Mr. Fraser was the only one who qualified in the examination.

Three Years' Course—

Mr. Fraser is first and takes the prize, being some 200 marks ahead of Messrs. Whitehead and Williams, who are practically equal for the second place.

Obligatory—

Satisfactory.

3rd Class.—Messrs. Amos and Leckie are bracketed 1st on this year's work, with 84 per cent., closely followed by Mr. Campbell, with 82 per cent. and Messrs. Newman and Morris, R., with 76 per cent. and 75 per cent. respectively. Two cadets failed to qualify.

Two Years' Course—

The following have failed to qualify:—Messrs. Emery, Hampson, Cleghorn (?), Brock (?).

Voluntary—

Nil.

Obligatory—

Very satisfactory.

1st Class.—1st Mr. Van Tuyl, 82 per cent.; 2nd Mr. Taylor, 78 per cent.; 3rd, Mr. Holmes 77. per cent. Messrs. Kenny and Scarth, however, have failed to obtain the required decimal.

Voluntary—

Taken up by twenty-four cadets, of whom eighteen have qualified. Mr. Van Tuyl first, Mr. Amos second.

Professor of Freehand Drawing and Painting.

1st Class.—It will be seen by the examination returns that Messrs. Bremner and Joly de Lotbinière have obtained the highest number of marks, but it is to be regretted that no member of this class has obtained the specified proportion of marks entitling to "Distinguished."

2nd Class.—This class has done only moderately well. Messrs. Fraser, Murray and Rogers have the highest number of marks.

3rd Class.—All the members of this class with one exception, are diligently making rapid advancement, notably Messrs. Leckie, Domville, Anderson and Newman.

4th Class.—This class promises to be the best that has ever entered the college, as will be seen by inspection of their work.

Professor of French.

1st Class.—Work as a whole not very satisfactory. Messrs. Panet, Joly de Lotbinière Lesslie and Hamilton have passed a very good examination. Mr. Lesslie most especially deserves much credit.

2nd Class.—I desire to call particular attention to Messrs. Kerr and Fraser who did very well. Mr. Kerr is far ahead of the rest of the class.

3rd Class.—Messrs. Amos, Campbell, Houlston and Leckie deserve a special mention.

4th Class.—I am pleased to be able to report most favorably on this class. Messrs. Amos, Panet, Mitchell, Johnson, McInnes and Kenny have done very well indeed. I must add that the rest of the class, with a very few exceptions gave me much satisfaction.

Professor of English.

I have the honor to report that, in my department, the several classes have shown marked attention and diligence, and that individual Cadets have obtained high marks, both for term work and in the examinations.

Those who distinguished themselves, in the 2nd class, are Sergeant Kerr, who, in the examination obtained 295 marks out of a possible 300, and, in the whole term, 651 out of a possible 700; Corporal Murray, who, in the examination obtained 290, and in the term, 636; Sergeant Rogers, who, in the examination, obtained the maximum and in the term 629.

In the 3rd class Cadet Newman obtained, in the Christmas examination, the maximum, in the June examination, 250 out of 300, and, in the term, 706 out of 800; Cadet Morris, R., obtained at Christmas, 93 out of 100; in the June examination, 295 out of 300, and in the term, 682; Cadet Leckie obtained 90, at Christmas, 250 in June, and 670 in the whole term.

In the 4th class, Cadet Johnston, J., obtained the maximum at Christmas, 80 out of 100 at Easter, 172 out of 200 in June, and 740 out of 800 in the term; Cadet Mitchell obtained the maximum at Christmas, 95 out 100 at Easter, 160 out of 200 in June and 732 in the whole term; Cadet McInnes obtained 100 at Christmas, 85 at Easter, 165 in June, and 693 for the whole term.

In composition Sergeant Fraser, Cadets Ritchie and Campbell show particular talents:

Professor of Civil Engineering.

I beg to report the graduating class this year as follows:—

Mr. Joly de Lotbinière, Mr. Lesslie and Mr. Grant are men of high character in all ways. It is probable that each of them will distinguish himself most favorably in after life especially Mr. Joly de Lotbinière. The above three men together with Mr. Milne and Mr. Panet and Mr. Johnston, G, and Mr. Johnston H, are good students in Civil Engineering subjects. Mr. Farwell who takes the second place in the class in Civil Engineering this year possesses very fine powers for study and unquestionably Mr. Farwell may become a valuable man if he continues to apply himself to the study of Civil Engineering.

Mr. Heneker is a young man of great promise and is likely to prove a credit to the College.

With regard to the Class as a whole my observations of the individual men comprising it has led me to the opinion that they will all prove to be useful men, of high character, and that they all are well prepared educationally for entering upon their work in life.

Professor of Chemistry and Physics.

The examinations were made the principal test of the year's work, but in obligatory Physics two recitations were held, the answers being written instead of verbal. In this subject the marks obtained were generally low, only one gentleman receiving more than 70 per cent., while three were below 40 per cent. In Physics as a whole (two year's work) Messrs. Joly de Lotbinière and Farwell obtained "distinguished."

In Geology and Mineralogy though the marks given were not high, the progress of the class was fair. The examinations were somewhat severe and the marking strict. In this subject Messrs. Farwell and Joly de Lotbinière were practically equal, the former being superior in Mineralogy and the latter in Geology.

The work done in Chemistry was a little disappointing, and only five gentlemen qualified. This result was due chiefly to lack of diligence, either because it was thought that marks could be made without study or because the marks were not considered worth the labor. Even those who succeeded in qualifying made low averages, owing, I believe, to misdirected effort and a neglect of detail. As the ground covered was not very large, though equal to the average of other years, thorough work was required and the examinations were searching.

With regard to the Practical Chemistry Capt. Cochrane reports that the class worked well during the term, and considering the late hour of the attendance deserve great credit for their application and perseverance. The results of the examinations were in general good where manipulative skill was required, but not so satisfactory in what involved theoretical knowledge. C. S. M. Joly de Lotbinière was an exception, his theoretical work being good, while the practical examinations did not do him justice. C. S. M. Grant stood highest in the whole department of Practical Chemistry. The names of the two highest in each branch is subjoined.

Physics.—C. S. M. Joly de Lotbinière, Prize, Cadet Farwell.

Chemistry.—Cadet Farwell, Prize, C. S. M. Joly de Lotbinière.

Geology.—C. S. M. Joly de Lotbinière, Cadet Farwell, equal.

B. S. M. Lesslie though not obtaining any prizes is deserving of mention for his uniform diligence and perseverance.

As the instruction and examination of the 2nd Class devolved on Capt. Cochrane I deem it advisable to forward his report rather than make any remarks myself concerning their progress.

Report on Second Class.

The 2nd class throughout the term have shown a great interest in these subjects and give promise of doing excellent work in the 1st class.

The June examination in physics was very well done, and showed careful preparation of the subject. Serjts. Fraser and Rogers, with 88 per cent. and 81 per cent. respectively, lead the rest of the class. Corpl. McLennan, 3rd, with 63 per cent., could have done much better.

In chemistry the class has not done nearly so well as in physics, there being five failures. There was an evident want of study shown in this subject, more attention being given to physics, which is the easier of the two. Serjt. Rogers is 1st; Serjt. Fraser 2nd, and Corp. Ritchie 3rd, with 86, 78, and 70 per cent. respectively. These three gentlemen show a very satisfactory knowledge of the subject.

General Conduct of the Cadets.

I consider the discipline and general conduct of the Cadets during the past term to have been decidedly better than in any previous year, and this is, I think, acknowledged by all who know anything about the practical working of the College.

Applications for Admission.

The increasing number of candidates who year by year present themselves for examination for admission, shows that the College is becoming better known and more popular in the country than ever. For the last two years the average standard of attainments of the Cadets who join us has been steadily increasing, and it is now much higher than it was not long ago. The present strength of the College is 57. The admission of 25 new Cadets will raise this to 82.

Death of a Cadet.

I regret much to have to report the death of a Cadet, Mr. G. T. Barlee, which occurred at New York on the 22nd of May. This is the first death which has occurred amongst the Cadets since the College was opened.

Work of the Staff.

The members of the Instructional Staff have, in general, been most diligent in their work.

I have especially to thank Lt.-Colonel McGill, the Staff Adjutant, for the unvarying energy he has displayed in carrying out his important and onerous duties, and for the valuable assistance he has afforded me.

The retirement from the Staff of Lt.-Colonel Fairtlough, R.A., Professor of Artillery and Captain of Cadets, has been a distinct loss to the College. He has had to resign at the termination of ten years' service in Canada under War Office Regulations, which would have compelled him to leave the army had he remained longer.

The instruction in Artillery has been transferred to the Professor of Tactics, &c., and a new instructor in Mathematics is to be appointed instead.

Change in Uniform.

During the past year blue serge coats and Glengarry caps have been introduced as an undress for the Cadets for studies and drills, but not to be worn outside the College enclosure, except for surveying. I look upon this dress as a great improvement on the old red study coat. The latter used to become shabby and dirty in a very short time, and was more expensive to keep up than the blue one.

I propose introducing canvas clothing for Artillery and Engineer drills. This will, in the long run, save the Cadets much expense.

Visit of His Excellency the Governor General.

His Excellency the Governor General and Lady Lansdowne honored the College with a farewell visit and inspection on the 9th May, when His Excellency made a very interesting and practical address to the Cadets on parade.

Visit of Sir John A. Macdonald.

The College broke up on the 28th June, when the Premier, Sir John A. Macdonald, favored it with a visit and distributed the prizes.

Distribution of ex-Cadets.

I append a return showing, as nearly as I can ascertain, the present distribution of the Cadets who have left the College either as graduates or without graduating:—

| Distribution. | Graduates. | Cadets not graduates. | Totals. | Remarks. |
|---|------------|-----------------------|------------|---------------------------------|
| In Imperial Service..... | 53 | 17 | 69 | Including Cpts. Sears and Freer |
| In Canadian Permanent Forces..... | 8 | 2 | 10 | |
| In Civil Service and North-West Mounted Police. | 14 | 6 | 20 | |
| In civil life in Canada, but not in Govt. employ. | 42 | 24 | 66 | |
| In civil life elsewhere..... | 12 | 1 | 13 | |
| Not known or dead | 3 | 9 | 12 | |
| Total..... | 131 | 59 | 190 | |

Cadets serving in the Imperial Army.

The fact of a number of commissions in the Royal Artillery and Royal Engineers being offered to the College is a high compliment to the merits of the institution, and shows in what esteem it is held by the militia authorities in England.

Objections have frequently been raised against allowing any considerable number of our graduates to accept Imperial commissions, on the ground that it puts Canada in the position of paying for the education of so many English Army officers. I do not agree with this view, for I hold that it is much better for Canada that our graduates should be practically learning their business as soldiers than that they should (as is so often the case) spend their time in seeking civil employment in this country, and perhaps only obtaining occasional engineering work.

The College Diploma in relation to University Degrees.

I have recently been in communication with several gentlemen of high position in the Canadian Universities, in hope of getting our graduation Diploma recognized as at least a partial equivalent to a university degree. The latter counts in place of two years of the law course of Ontario, and I have, with the same object in view, been also in correspondence with the secretary of the Law Society.

The chief objection raised to the recognition of the Royal Military College Diploma is that Latin is not taught by us. I have long been of opinion that Latin ought to form part of our course, and I see no reason why it should not be taught by the Professor of English. The course need not be an extensive one, in fact there would not be much time available for it, but it seems a pity that the Cadets should be allowed to forget what they knew of the language when they entered the College.

New Works Completed.

There is little to report on this head. One hundred young trees have recently been planted in the outer enclosure to replace others which had died.

The dormitory has hitherto been drained into two cesspits close to the building: This was a most objectionable arrangement, and the smell from these pits (which are below the level of the lake and cannot be cleaned out) is at times very offensive. Last year the construction of a proper drain leading from the dormitory into the main drain was sanctioned by Parliament, and it is now about to be commenced.

New Works needed.

On this subject I would refer you to previous reports. Increased dormitory accommodation is the greatest want of the College.

Militia Officers Long Course.

Ten Militia officers have this spring been through the prescribed three months' course in Military Engineering, Topography, Reconnaissance, Tactics and Administration, some of them for the first time and three for the second. The following list gives the results —

1st Class Certificates.

Capt. F. Wedderburn, 8th Cavalry.
 Capt. W. J. Matton, Q. O. R. R.*
 Lieut. D. E. Eaton, 93rd Battalion,
 2nd Lieut. A. J. Markham, 8th Cavalry.

2nd Class Certificates.

Lieut. F. H. Benn, 62nd Fusiliers.
 do J. K. Oswald, R. S. Mounted Infantry.
 do C. Chinic, R. S. Infantry.
 do W. Burroughs, Quebec Garrison Artillery.
 do J. D. Roche, R. S. Infantry,
 Lieut. and Capt. J. C. J. Drolet, R. S. Infantry.

I again strongly recommend that the qualifying decimal for "Special Mention" in individual subjects be raised from 0.75 to 0.8.

From the experience gained in past years I consider that the present course of three months is decidedly too short for most officers to obtain a proper knowledge of the subjects taught, and that, if possible, it should be altered to four months.

I also think that Cadets who have left the College without graduating and have become Militia officers should not be allowed to go through this course till the year in which they would have graduated had they remained.

Volunteer Engineers Course.

A class of nine Non-Commissioned Officers and men of volunteer Engineers came up for courses this spring—eight for a short and one for a long course.

One long course and five short course men qualified for first class certificates, two for second class, and one man failed to pass.

This annual course (which comes at very nearly the same time as the officers course) entails very severe work on the Military Engineering Instructors for three months in the year, and especially on Sergeant Major Birtles. It is also disadvantageous to the Cadets, as it prevents them from receiving the attention they should.

I would most strongly urge that no more Engineer classes be sent to the College. The number of men trained is small, and I think it would be much better if arrangements were made to have each Engineer Company taught at its annual Camp by one of the College Instructors. The expense would be less than at present, and a far larger number of men would benefit. The only obstacle to this plan that I am aware of is the fact that these Companies have no engineer tools or stores at their headquarters. These they certainly ought to have, and I hope they may be provided before long.

I have the honor to be, Sir,

Your obedient servant,

J. R. OLIVER, Major General,
 Commandant, Royal Military College.

* School course not yet completed.

APPENDIX No. 12.

REPORT ON THE FORCE WHICH PROCEEDED TO THE SKEENA RIVER,
B. C., IN AID OF THE CIVIL POWER.

VICTORIA, B. C., 26th August, 1888.

To the Adjutant General of Militia,
Ottawa.

Sir,—I have the honor to forward herewith the following report with reference to the force which proceeded to the Skeena River in connection with the suppression of the reported rising of the Indians at Hazelton during the months of July and August of the present year.

On the 12th July last, I received a message from the Attorney General of the Province to say that he would like to see me; on calling at the office I was informed that there was serious trouble on the Skeena River with the Indians, and asking me what could be done regarding the Province obtaining the assistance of the Battery to suppress the uprising.

I explained my views to him in the matter, and the interview ended. On the 13th instant I again, by request, had an interview with the Premier, at which were present the remainder of the Provincial Cabinet. After considerable discussion, in which I declined taking part, I was handed a requisition as follows:—
To the Senior Officer of the Active Militia.

VICTORIA, B. C., 14th July, 1888.

"It having been made appear to us three Justices of the Peace having jurisdiction in the County of Nanaimo, that a disturbance of the peace has occurred at Hazelton in the said county, and that further disturbances beyond the powers of the civil authorities to deal with, are, in the opinion of the undersigned, anticipated as likely to occur at the same place, we therefore do require you to call out the Active Militia for Active Service with their arms and ammunition and with all speed proceed to Hazelton in aid of the civil power to prevent and deal with such disturbances."

"A. E. B. DAVIE, J. P."

"JNO. ROBSON, J. P."

"J. H. TURNER, J. P."

On receipt of the above, I, by District Order called out "C" Battery, R. C. A., and ordered it to be in readiness to proceed as soon as possible.

By agreement with the Provincial Government, it was arranged that I should order whatever stores I required, which I did; and as the nature of the country required an especial equipment, I decided that the men should wear brown canvas clothing.

No service pattern accoutrements were taken, but cartridge belts to contain 40 rounds were made. The men's field kit was carried in a squad bag, made into a pack containing a blanket and the great coat in addition, the whole covered with waterproof sheet, slings were made by using the bed straps issued for use in the barrack room. The advantage of this over the valise equipment was, that there was less complication in the matter of straps.

The load could be instantly removed on person, and it was quite as easily carried. I had previously (on an elk hunting trip) carried a similar pack for several days over a very rough country, and was thus quite familiar with it.

Rations and hospital stores for six weeks' supply were taken, together with 200 rounds Snider cartridge per man.

On Monday the 16th July, the Battery paraded at 11 a.m., and was inspected by His Honor the Lieutenant Governor, and immediately afterwards started for Esquimalt. The force on parade was as follows:—

Lt.-Colonel J. G. Holmes, Commandant.
Major James Peters, Commanding Battery.
Captain J. Benson.
Lieutenant G. H. Ogilvie.
Lieutenant F. M. Gaudet.
Surgeon J. A. Duncan.
Lt.-Colonel E. G. Prior, B.C.G.A., attached.

Three staff sergeants, four sergeants and seventy-three rank and file. On arrival at Esquimalt, the force embarked on board H. M. S. "Caroline," Captain Sir William Wiseman, Bart., and without delay steamed away for Port Essington. Camp equipment to a limited extent was carried with the force. The bulk of the stores under the charge of a Q. M. Sergeant, was sent on the Steamer "Boscovitz."

After a pleasant run of four days the mouth of the Skeena was reached. As the channel to Essington was not well known a day was spent in surveying it, and on Saturday, the "Caroline" steamed up the river and anchored opposite the village.

Sir William Wiseman, the Honorable Mr. Turner and myself, at once proceeded on shore and made enquiries at Mr. Cunningham's, if there was any late news from up the river. We there found a young man named Hankin who had just come down from Hazelton, and he said that there had been no further disturbance, and he did not anticipate any. He was of the opinion that the specials could settle the difficulty, especially as the Indians would be aware that a Naval and Military Force was at their backs. I afterwards ascertained that a canoe and some Indians belonging to the Forks (Hazelton) had gone up the river a few hours after our arrival, carrying the news with them.

The magistrates, Messrs. Turner and Roycroft, then requested me to land the Battery and remain near Essington, while the constables, twelve in number, under Mr. Roycroft, proceeded up the river. This I agreed to, with the understanding that Mr. Roycroft should let me know as soon as possible, by special messenger, whether the services of the Battery would be required or not.

On Sunday I proceeded in one of the "Caroline's" boats to select a site for camp. Major Peters accompanied me, and we selected a spot on the River Okstahl, about a mile and a-half from the village, it being desirable for many reasons that the men should not have free access to it.

The ground was densely wooded, and no piece of ground not so covered could be found.

On Monday the whole of the Battery with the camp equipment, &c., landed under command of Major Peters, who immediately set the men at work clearing sufficient space for the tents, and by night fall all were under shelter.

I remained on board the "Caroline" until next day, and with Sir William Wiseman and Mr. Turner visited several of the canneries, where large numbers of Indians were assembled.

The reserve ammunition and stores arrived at Essington on Saturday and were placed in a warehouse at Mr. Cunningham's wharf. This being a suitable and convenient place, I retained it as a store, and drew from there daily as required.

Our stay in camp was rather monotonous; much work was done in building huts and clearing a small parade ground, our tent accommodation being very limited.

Rifle practice was carried on, as also some drill in extended order, which was rather difficult owing to the almost impassable nature of the country; in fact, I am satisfied that had we to advance up the river we were quite safe from flank attack, providing the flanks of the river were carefully searched for a reasonable distance back. No force could travel through this country except by the river for more than a few miles and carry anything in the way of arms, ammunition and food.

Pending receipt of word from Mr. Roycroft, all the Officers and many of the Non-Commissioned Officers and men took advantage of our situation to climb the adjacent mountains, most of them from 4,000 to 6,000 feet high and snow-capped. This was work of the hardest description and showed the pluck and endurance of all who undertook it in a marked way.

Considerable game, such as bears, mountain goats, &c, were killed and the skins brought back as trophies.

I mention this as showing how adaptable the men were to work, which was very similar to what we should have had to perform, had the force proceeded to fight its way to Hazelton.

On the 6th August I received a letter from Mr. Roycroft to say that everything was satisfactorily settled at the Forks.

On the 8th I received a letter from the Attorney General of the Province to say that the steamer "Caribou Fly" would bring the Battery back to Victoria, by which I was induced to permit of our missing one boat, "The Sardonyx," by which means Mr. Roycroft and the specials, who arrived down on the 10th inst., proceeded to Victoria.

I felt sure that the steamer to bring us down would arrive daily, as it was reasonable to be expected that no arrangement could have been made with a ship unless it was to start for us at once.

However, day after day went by and no sign of the ship. On the 18th instant the steamer "Princess Louise," of Victoria, came to Essington. I at once sent the Supply Officer on board to ascertain if she would take us to Victoria, as owing to the bad weather setting in and our work being ended, also the presence with us of several sick and injured men, I decided not to wait any longer for the other ship.

The Captain of the "Louise" having reported his ability and willingness to carry us, I concluded an agreement with him on the 19th inst. to carry us at once to Victoria.

On the morning of the 20th camp was broken up and we embarked, reaching Victoria on Saturday, the 25th inst.

In conclusion I feel it my duty to place on record the kindness of Captain Sir William Wiseman and officers and men of Her Majesty's Ship "Caroline," to the Corps on our passage up, and also to Captain Irving, of the steamer "Princess Louise," for his similar favors on our passage down.

In conclusion I may briefly refer to a matter which has been suggested, viz.: That had there been any serious fighting we were too weak a force for the work. I was quite aware of this from the outset. Had such occurred I intended from the first simply to have held the river and prevented Indians, ammunition and supplies from ascending; and after ascertaining our actual requirements, which could only be done on the spot, have sent for such reinforcements as would have been required.

Although the proceeding has had a peaceful termination, I feel and am happy to know that it will have a permanent salutary effect on the Indian element in the North-West.

Many Indians from all parts of the country were assembled at the mouth of the river for the salmon fishing, and the presence of a ship of war so far up the river, and an armed force remaining independently of her, which has been carried out for the first time in this country, will have the effect of widely disseminating a knowledge of the power of the Government to put down promptly all future similar uprisings.

I wish to speak in the highest terms of the zeal and energy displayed by Major Peters, and the Officers and Non-Commissioned Officers generally, in carrying out the various duties, and of the especially good conduct of the men during the whole time of the Battery's absence from Victoria.

Lieut.-Colonel Prior, Commanding British Columbia Garrison Artillery, who came forward promptly and volunteered his services in any capacity, is, I think, deserving of special mention. His knowledge of the Chinook language was very useful, and had the expedition proceeded up the river his position as Supply and

Transport Officer, would have been no sinecure, and the duties of which he is, from the little experience already had, I am satisfied, able to perform most satisfactorily.

I have the honor to be, Sir,

Your obedient servant,

J. G. HOLMES, Lieut-Colonel.

Acting Deputy Adjutant General Military District No. 11.

Forwarded for the perusal of the Minister.

I would beg to point out that though the calling out of these troops was perhaps strictly within the letter of the law, I submit it was not in accordance with the spirit of it, as I fancy it was never anticipated that troops should be sent 800 miles to assist the civil law, nor was it anticipated that three magistrates should have power to consider what might have turned out to be an Indian war. I further remark that the three magistrates who signed the requisition were all Ministers of the Province.

7th September, 1888.

F. MIDDLETON, Major-General.

APPENDIX No. 13.

REPORT OF THE DIRECTOR OF STORES, &c.

DEPARTMENT OF MILITIA AND DEFENCE,

STORE BRANCH, OTTAWA, December 31st, 1888.

SIR,—I have the honor to submit the following report respecting the Militia Stores and Properties under my charge:—

Militia Stores.

The usual supply of clothing for the year has been obtained from Canadian manufacturers, and on inspection was found satisfactory to the Department.

Contracts for necessities and store supplies required during the year for the permanent establishment or schools of instruction have been entered into with Canadian firms.

The issues of clothing for the year were as follows, viz.: 7,738 cloth and serge Tunics, 9,278 pairs of cloth and serge Trousers, 5,352 Forage Caps, and 3,840 Great Coats. The details of these issues will be found in the subjoined tabular return:—

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. | Artillery. | Infantry. | Rifles. | Cavalry. | Artillery. | Infantry. | Rifles. | Cavalry. | Artillery. | Infantry and Rifles. |
| 826 | 1424 | 42 | 3215 | 688 | 115 | 738 | 665 | 25 | 331 | 806 | 537 | 1257 | 5289 | 1058 | 331 | 1242 | 3342 | 437 | 235 | 529 | 3076 |

Ammunition.

The supply of ammunition issued to the Militia for practice during the year was, 410,025 rounds of ball, and 181,930 rounds of blank, an increase of 80,135 rounds of ball, and a decrease of 22,160 rounds of blank as compared with last year. (*Vide Appendix "A"*).

The repayment issues for the year were, 631,472 rounds of "Snider" ball, 144,241 rounds of "Martini-Henri" ammunition, 1,332 rounds of "Colt's" revolver, and 2,400 rounds "Snider" blank, making a total of 779,445 rounds to Rifle Associations and Militia Corps for rifle practice and competitions, an increase of 97,173 rounds as compared with last year, for which deposit receipts credited to the Receiver General amounted to \$13,238.89, including the value of friction tubes for the noon gun at Ottawa. (*Vide Appendix "B"*).

The usual supply of gunpowder, friction tubes, shot and shell has been issued to the Artillery for practice and salutes. (*Vide Appendix "C"*).

A considerable supply of Snider ammunition from the Cartridge Factory at Quebec has been added to the reserve in magazine charge. The Snider ball manufactured in 1888 has given satisfaction to the riflemen and the militia force of the Dominion generally.

Ordnance.

A return of guns in charge, with the stations where placed, will be found in Appendix "D".

Four 9 pounder rifled guns, with carriages &c., complete, were received this year from England and issued to one of the Batteries of the 1st Brigade at Guelph, in exchange for the same number of smooth bore guns. When the Sydney Battery is supplied the whole of the Field Artillery will be armed with rifled guns.

Arms.

The reports of the Superintendents of Stores of the several Military Districts show that a large proportion of the Arms in possession of Corps require attention in the way of cleaning and repairs. The services of an Armourer at St. John, N.B., of one at London, Ont., and of an assistant at Winnipeg are much required.

Boards of Survey.

The annual Boards of Survey on Militia Stores were held in the respective Military Districts as required by Regulations. Where the quantity of stores appeared sufficient to warrant a sale by public auction, it was duly authorized. The proceeds of such sales were placed to the credit of the Receiver General in the usual manner.

Camp Losses and Deficiencies.

Compared with former years, the aggregate value of losses is considerably reduced. These however will be brought to a minimum, as for the future all losses and deficiencies will have to be settled before Corps leave camp.

Issues and Receipts of Stores.

The number of requisitions for issues and also for receipt into store are largely on the increase as compared with last year, and the work in the Store Branch is also steadily increasing.

Militia Properties.

The state of property on charge in the several Military Districts is on the whole satisfactory.

Certain repairs reported as necessary to buildings, &c., at several of the stations, have been carried out under direction of the Architect of the Department.

The following statement shows the number of tenants and amounts received for rents of Militia properties for the fiscal year ending 30th June, 1888:—

Tenants and Rental, 1st July, 1887, to 30th June, 1888.

| Number of Tenants. | Station. | Rents received. | Remarks. |
|--------------------|---------------------------|-----------------|----------|
| | | \$ cts. | |
| 1 | Chatham, Ontario..... | 1 00 | |
| 2 | Niagara do..... | 216 00 | |
| 2 | Toronto do..... | 140 00 | |
| 23 | Kingston do..... | 536 04 | |
| 3 | Ottawa do..... | 6 00 | |
| 2 | Laprairie, Quebec..... | 26 00 | |
| 4 | Montreal do..... | 250 00 | |
| 2 | Ile-aux-Noix do..... | 104 00 | |
| 24 | Quebec do..... | 2,546 10 | |
| 27 | Lévis do..... | 639 00 | |
| 8 | New Brunswick..... | 129 00 | |
| 15 | Nova Scotia..... | 82 67 | |
| 2 | Prince Edward Island..... | 5 87 | |
| 115 | Total number of tenants. | | |
| | Total rent received..... | 4,681 68 | |

Deposit Receipts.

The amounts received by the Store Branch for ammunition and stores issued on repayment and for rents of military properties during the fiscal year ending 30th June, 1888, is shown in the following statement :

| Ammunition. | Military Stores. | Clothing. | Miscellaneous. | Rents. | Total amounts. |
|-------------|------------------|-----------|----------------|----------|----------------|
| \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. | \$ cts. |
| 11,932 91 | 2,777 99 | 1,073 84 | 253 10 | 4,681 68 | 20,719 52 |

Military Museum.

A number of articles of a military nature have been added to the museum during the year.

It is hoped that Officers of the Militia and others interested in the museum will aid in securing donations of any articles that would be appropriate, such as old arms, Military records &c. These articles will be thankfully received and acknowledged.

I have to acknowledge the valuable assistance rendered by the Staff of the Store Branch at Headquarters, and the respective Superintendents of Stores during the year.

I have the honor to be, Sir,

Your most obedient servant,

J. MACPHERSON, Lt.-Colonel,

Director of Stores and Keeper of Militia Properties.

To the

Deputy Minister of Militia and Defence,
Ottawa.

[A]

S. A. AMMUNITION issued for Practice during the Year 1888.

| Date. | Corps and Station. | Rounds. | |
|--------------|--|---------|--------|
| | | Ball. | Blank. |
| 1888. | <i>Military District No 1, London.</i> | | |
| May 8..... | Lt.-Col. Smith, Commanding "D" Company, R.S.I..... | 3,000 | 1,000 |
| June 16..... | Camp Quartermaster, Camp Stratford.. .. | 36,120 | 36,120 |
| | Total Issues | 39,120 | 37,120 |
| 1887. | <i>Military District No. 2, Toronto.</i> | | |
| Dec. 13..... | Lt.-Col. Allen, Commanding Queen's Own Rifles..... | 8,400 | 4,500 |
| 1888. | | | |
| June 11..... | Camp Quartermaster, Camp Niagara. | 35,000 | 15,000 |
| do 11..... | Lt.-Col. Jones, Commanding 38th Battalion..... | 5,040 | |
| July 28..... | Major Mead do Toronto Field Battery..... | 1,480 | |
| do 31..... | Lt.-Col. Otter do "C" Company, R.S.I..... | 10,000 | 1,320 |
| Aug. 6..... | do Gibson do 13th Battalion | 6,720 | |
| Oct. 11..... | do Dawson do 10th Royal Grenadiers..... | 6,720 | 3,000 |
| Nov. 13..... | do Allan do Queen's Own Rifles..... | 8,400 | 5,000 |
| | | 81,760 | 28,820 |
| | | | 15,000 |
| | Total Issues | 81,760 | 13,820 |
| | <i>Military District No. 3, Kingston.</i> | | |
| June 7..... | Camp Quartermaster, Camp Gananoque..... | 35,800 | 24,000 |
| do 21..... | Lt.-Col. Cotton, Commanding "A" Battery, R.S.A..... | 10,000 | |
| July 23..... | Captain Dumble do Cobourg Garrison Artillery | 840 | |
| | | 46,640 | 24,000 |
| | Less—Returned by Camp Quartermaster. | 2,080 | 19,400 |
| | Total Issues | 44,560 | 4,600 |
| | <i>Military District No. 4, Ottawa.</i> | | |
| May 24..... | Lt.-Col. Allen, Commanding Queen's Own Rifles..... | | 1,920 |
| June 5..... | do Macpherson do Governor General's Foot Guards | 6,000 | 6,000 |
| do 27..... | Captain Gourdeau do Princess Louise Dragoon Guards | | 700 |
| Aug. 13..... | do Irving do No. 6 Company 42nd Battalion.. .. | | 800 |
| Sept. 3..... | do Bell do do 43rd do | | 840 |
| | Total Issues | 6,000 | 10,260 |

S. A. AMMUNITION issued for Practice during the Year 1888—*Continued.*

| Date. | Corps and Station. | Rounds. | |
|--|---|---------|--------|
| | | Ball. | Blank. |
| 1888. | | | |
| Military Districts Nos. 5 and 6, Montreal. | | | |
| June 1..... | Lt.-Col. Felton, Commanding 53rd Battalion | 3,360 | 3,360 |
| do 16..... | Camp Quartermaster, Camp Sherbrooke | 29,000 | 29,000 |
| do 16..... | do Camp Three Rivers | 18,660 | 10,000 |
| do 22..... | Lt.-Col. Ouimet, Commanding 65th Battalion | 6,000 | |
| | | 57,020 | 42,360 |
| | LESS—Returned by 5th Royal Scots | | 6,000 |
| | do 65th Battalion | 5,685 | 250 |
| | do Camp Quartermaster, Sherbrooke..... | 4,420 | 18,400 |
| | do do Three Rivers.... | 1,640 | 10,000 |
| | Total Returned..... | 11,745 | 34,650 |
| | Total Issues..... | 45,275 | 7,710 |
| Military District No. 7, Quebec. | | | |
| April 17..... | Lt.-Col. Miller, Commanding 8th Battalion..... | 5,040 | |
| do 17..... | do Amyot do 9th do | 6,720 | |
| June 4..... | do Montizambert do "B" Battery, R.S.A..... | 12,000 | 4,000 |
| do 21..... | do do do | 4,030 | |
| do 21..... | do Duchesnay, D. A. G., M. D. No. 7..... | 39,280 | 39,280 |
| July 13..... | do Turnbull, Commanding R.S.C..... | 5,000 | 5,000 |
| | | 72,070 | 48,280 |
| | LESS—Returned by Lt.-Col. Duchesnay | 8,000 | 25,300 |
| | Total Issues | 64,070 | 22,980 |
| Military District No. 8, St John, N.B. | | | |
| June 26..... | Camp Quartermaster, Camp Chatham | 16,000 | 17,000 |
| July 27..... | Lt.-Col. Blaine, Commanding 62nd Battalion..... | 5,040 | 5,040 |
| do 30..... | do Maunsell do "A" Company, R.S.I..... | 10,000 | |
| do 30..... | Captain Hart do St. John Rifle Company | 840 | |
| Aug. 7..... | Lt.-Col. Armstrong do N. B. Garrison Artillery | 4,200 | 4,200 |
| | Total Issues | 36,080 | 26,240 |
| Military District No. 9, Halifax. | | | |
| June 20..... | Major McKenzie, Commanding Sydney Field Battery | 1,500 | 1,480 |
| July 12..... | Lt.-Col. Curren do Halifax Garrison Artillery | 5,880 | 5,880 |
| do 12..... | do McDonald do 66th Battalion | 6,720 | 6,720 |
| do 20..... | do Mackintosh do 63rd do | 5,040 | 5,040 |
| Sept. 4..... | do Starratt do 69th do | 6,710 | 6,720 |
| do 4..... | do Spurr do 72nd do | 5,040 | 5,040 |
| do 4..... | do Kaulbach do 75th do | 5,040 | 5,040 |
| do 13..... | Captain Ryan do King's Cavalry..... | 840 | 840 |
| Nov. 23..... | do Jolly do Yarmouth Garrison Artillery... | 840 | 840 |
| | Total Issues | 37,620 | 37,600 |

S. A. AMMUNITION issued for Practice during the Year 1888—*Continued.*

| Date. | Corps and Station. | | Rounds. | |
|---|--------------------|--------------------------------------|---------|--------|
| | | | Ball. | Blank. |
| 1888. | | | | |
| Military District No. 10, Winnipeg. | | | | |
| May 15..... | Lt.-Col. Taylor, | Commanding R. S. M. I..... | 2,000 | 2,000 |
| June 26.... | do Boswell | do 90th Battalion | 5,040 | 5,040 |
| July 12..... | do Taylor | do R. S. M. I. | 5,000 | |
| do 12..... | Captain Knight | do Winnipeg Cavalry | 840 | 840 |
| Sept. 11..... | Lt.-Col. McMillan | do 95th Battalion..... | 5,040 | |
| do 14..... | do Taylor | do R. S. M. I. | 3,600 | 2,000 |
| Total Issues | | | 21,520 | 9,880 |
| Military District No. 11, Victoria, B.C. | | | | |
| Mar. 29..... | Lt.-Col Holmes, | Commanding "C" Battery R. S. A. | 5,000 | |
| April 10..... | do do | do do | | 4,000 |
| May 5..... | do do | do do | 6,000 | |
| June 10..... | do do | do do | 11,000 | |
| do 30..... | do Prior | do B. C. Brigade Gar. Artillery.... | 2,400 | 2,400 |
| Aug. 21..... | Captain Woolacott | do Victoria Rifles | 800 | 800 |
| Total Issues | | | 25,200 | 7,200 |
| Military District No. 12, Charlottetown, P.E.I. | | | | |
| July 7..... | Lt.-Col. Dogherty, | Commanding 82nd Battalion | 4,520 | 4,520 |
| do 28..... | Major Moore | do P. E. I. Prov. Brigade G. A | 3,400 | |
| do 28..... | Captain Weeks | do Engineer Company | 900 | |
| Total Issues | | | 8,820 | 4,520 |

R E C A P I T U L A T I O N .

| Districts. | Rounds. | |
|--------------------------------------|---------|--------|
| | Ball. | Blank. |
| Military District No. 1, London..... | 39,120 | 37,120 |
| do 2, Toronto..... | 81,760 | 13,820 |
| do 3, Kingston..... | 44,560 | 4,600 |
| do 4, Ottawa..... | 6,000 | 10,260 |
| do 5 and 6, Montreal..... | 45,275 | 7,710 |
| do 7, Quebec..... | 64,070 | 22,980 |
| do 8, St. John, N.B. | 36,080 | 26,240 |
| do 9, Halifax, N.S. | 37,620 | 37,600 |
| do 10, Winnipeg..... | 21,520 | 9,880 |
| do 11, Victoria, B.C. | 25,200 | 7,200 |
| do 12, Charlottetown, P.E.I. | 8,820 | 4,520 |
| Total..... | 410,025 | 81,930 |

J. MACPHERSON, L-Colonel,
Director of Stores and Keeper of Military Properties.

The Deputy of the
Minister of Militia and Defence,
OTTAWA, 31st December, 1888.

[B]

S. A. AMMUNITION issued on repayment during the Year 1888.

Military District No 1, London.

| Date.. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|-------------------------|---|-----------------|---------|
| 1888. | | | | \$ cts. |
| April 5... | Lt.-Col. O'Malley..... | 25th Battalion | M. H. 500 } | 18 00 |
| do 5... | do | do | Snider 500 } | |
| May 3... | Staff-Sergt Wilson..... | 33rd do | M. H. 200 | 4 00 |
| do 28... | W. Laurence | Perth Rifle Association | 1,500 | 24 00 |
| do 28... | Lt.-Col. O'Malley. | 25th Battalion | 500 | 10 00 |
| do 28... | Lt.-Col. Dawson | Western District Rifle Association | 1,000 | 16 00 |
| June 1... | D. Henderson | Ingersoll do | 500 | 8 00 |
| Aug. 3... | do | do | 1,000 | 16 00 |
| do 3... | W. Laurence | Perth do | 1,500 | 24 00 |
| do 15 | N. Robson | Huron do | 1,000 | 16 00 |
| do 16... | Lt.-Col. Dawson..... | Western District do | 1,000 | 16 00 |
| do 17... | D. Henderson..... | Ingersoll do | 1,000 | 16 00 |
| do 18... | W. Laurence | Perth do | 1,500 | 24 00 |
| do 21... | Captain Stevenson..... | 26th Battalion | 500 | 8 00 |
| do 29... | Captain Ley | 21st do | 500 | 8 00 |
| do 29... | W. Laurence | Perth Rifle Association..... | 1,500 | 24 00 |
| Sept. 3... | J. Crowe | Guelph do | 1,500 | 24 00 |
| do 17... | Lt.-Col. Dawson | Western District Rifle Association... M. H. 500 } | | 34 00 |
| do 17... | do | do do | Snider. 1,500 } | |
| do 17... | D. Henderson..... | Ingersoll do | 500 | 8 00 |
| do 19... | Captain Macqueen..... | Woodstock do | 1,000 | 16 00 |
| do 20... | Major Wilson | Retired List | 1,000 | 16 00 |
| do 20... | D. Henderson | Ingersoll Rifle Association | 500 | 8 00 |
| do 20... | Captain Hegler..... | 22nd Battalion | 500 | 8 00 |
| do 24... | W. Elliott | Essex Centre Rifle Association. M. H. 1,000 | | 20 00 |
| do 24... | D. Henderson..... | Ingersoll do | 500 | 8 00 |
| do 26... | Captain Macqueen | Woodstock do | 1,000 | 16 00 |
| do 29... | D. Henderson | Ingersoll do | 500 | 8 00 |
| Oct. 5... | Captain Stevenson..... | 26th Battalion | 1,000 | 16 00 |
| do 8... | D. Henderson..... | Ingersoll Rifle Association | 1,000 | 16 00 |
| do 13... | N. Robson | Huron do | 500 | 8 00 |
| do 17... | Captain Young | 24th Battalion | 500 | 8 00 |
| do 23... | D. Henderson..... | Ingersoll Rifle Association..... | 1,000 | 16 00 |
| Nov. 10... | Captain Jones | 21st Battalion | 1,000 | 16 00 |
| do 14... | D. Henderson | Ingersoll Rifle Association..... | 500 | 8 00 |
| do 14... | Captain Cheyne..... | 21st Battalion | 500 | 8 00 |
| do 14... | Lieut. Courtois..... | 33rd do | 500 | 8 00 |
| do 30... | N. Robson | Huron Rifle Association | 500 | 8 00 |
| Dec. 3... | Lt.-Col. Dawson | Western District Rifle Association | 2,000 | 32 00 |
| do 21... | Lt.-Col. O'Malley | 25th Battalion | 500 | 8 00 |
| Total..... | | | 33,700 | 550 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—Continued.

Military District No. 2, Toronto.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|--------------------------|--------------------------------------|--------------|---------|
| 1888. | | | | \$ cts. |
| Jan. 14... | Lt.-Col. Alger..... | Ontario Rifle Association..... | 58,280 | 932 48 |
| Feb. 10... | Captain Cooper..... | 12th Battalion..... | 500 | 8 00 |
| April 9... | J. Crowe..... | Guelph Rifle Association..... | Snider 2,000 | 57 00 |
| do 9... | do..... | do do..... | M.H. 1,250 | |
| do 27... | Major Leslie..... | 38th Battalion..... | 1,000 | 16 00 |
| May 2... | Lt.-Col. Alger..... | Ontario Rifle Association..... | M.H. 10,000 | 200 00 |
| do 2... | J. A. Williamson..... | 45th Battalion..... | 1,000 | 16 00 |
| do 4... | Captain Carmichael..... | 98th do..... | 1,000 | 16 00 |
| do 18... | do Cooper..... | 12th do..... | 500 | 8 00 |
| do 22... | do McGregor..... | 77th do..... | 1,000 | 16 00 |
| do 22... | J. Bucknell..... | Victoria Rifle Association..... | 1,000 | 16 00 |
| do 25... | A. Campbell..... | Owen Sound Rifle Association..... | 1,000 | 16 00 |
| do 31... | Staff-Sergt. Ashall..... | 2nd Battalion..... | 600 | 12 00 |
| June 4... | Captain Stevenson..... | 13th do..... | 1,000 | 16 00 |
| do 5... | do Cooper..... | 12th do..... | 500 | 8 00 |
| do 5... | do Grant..... | 20th do..... | M.H. 500 | 34 00 |
| do 5... | do..... | 20th do..... | Snider 1,500 | |
| do 5... | Lient. A. Paine..... | 13th do..... | M.H. 1,000 | 36 00 |
| do 5... | do..... | 13th do..... | Snider 1,000 | |
| do 5... | Lient. Johnson..... | 20th do..... | M.H. 360 | 23 20 |
| do 5... | do..... | 20th do..... | Snider 1,000 | |
| do 8... | Major Delemare..... | 2nd do..... | M.H. 600 | 12 00 |
| do 9... | Lient. F. B. Ross..... | 13th do..... | 1,000 | 16 00 |
| do 12... | Major Telford..... | 31st do..... | M.H. 500 | 10 00 |
| do 18... | Lient. Tidswell..... | 13th do..... | 1,000 | 16 00 |
| do 25... | Captain McLean..... | 31st do..... | 2,000 | 32 00 |
| do 29... | Lient. A. Paine..... | 13th do..... | M.H. 1,000 | 52 00 |
| do 29... | do..... | 13th do..... | Snider 2,000 | |
| do 29... | Captain Adam..... | 13th do..... | M.H. 500 | 18 00 |
| do 29... | do..... | 13th do..... | Snider 500 | |
| July 3... | Captain Cooper..... | 12th do..... | 1,500 | 24 00 |
| do 4... | A. Campbell..... | Owen Sound Rifle Association..... | 1,000 | 16 00 |
| do 11... | Captain Adam..... | 13th Battalion..... | 500 | 8 00 |
| do 11... | do Patterson..... | 34th do..... | 500 | 8 00 |
| do 18... | Lient. Tidswell..... | 13th do..... | 1,000 | 16 00 |
| do 19... | A. Campbell..... | Owen Sound Rifle Association..... | 1,000 | 16 00 |
| do 28... | Lient. A. Paine..... | 13th Battalion..... | 3,000 | 48 00 |
| do 28... | Captain Drinkwater..... | 35th do..... | 500 | 8 00 |
| do 28... | G. Buckley..... | Niagara Falls Rifle Association..... | 1,000 | 16 00 |
| do 28... | A. Miller..... | Elgin do..... | 1,000 | 16 00 |
| do 28... | Captain McGregor..... | 77th Battalion..... | 1,000 | 16 00 |
| do 28... | Lient. Rennie..... | Queen's Own Rifles..... | M.H. 600 | 12 00 |
| do 28... | Captain Wilson..... | 33rd Battalion..... | M.H. 500 | 26 00 |
| do 28... | do..... | 33rd do..... | Snider 1,000 | |
| do 31... | Mr. Cole..... | Niagara Falls Rifle Association..... | 500 | 8 00 |
| do 31... | J. Crowe..... | Guelph do..... | 1,000 | 16 00 |
| do 31... | Major Dunn..... | Governor General's Body Guard..... | 2,000 | 32 00 |
| Aug. 2... | Captain Ward..... | 35th Battalion..... | M.H. 500 | 10 00 |
| do 2... | do Cooper..... | 12th do..... | M.H. 600 | 20 00 |
| do 2... | do..... | 12th do..... | Snider 500 | |
| do 2... | A. Campbell..... | Owen Sound Rifle Association..... | M.H. 1,000 | 20 00 |
| do 6... | Sergt. Robinson..... | 45th Battalion..... | 500 | 8 00 |
| do 14... | Captain Bertram..... | 77th do..... | 500 | 8 00 |
| do 14... | G. Buckley..... | Niagara Falls Rifle Association..... | 1,000 | 16 00 |
| do 14... | Lient. Conboy..... | 30th Battalion..... | M.H. 100 | 6 80 |
| do 14... | do..... | 30th do..... | Snider 300 | |
| do 16... | G. T. Ware..... | Port Arthur Rifle Association..... | 1,000 | 16 00 |
| do 18... | Lient. McBrien..... | 37th Battalion..... | M.H. 200 | 8 80 |
| do 18... | do..... | 37th do..... | Snider 300 | |

S. A. AMMUNITION issued on repayment during the Year 1888—Continued.

Military District No. 2, Toronto—Concluded.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|---------------------------|--------------------------------------|---------------|----------|
| 1888. | | | | \$ cts. |
| do 18... | Captain McGregor..... | 77th B attalion..... | 1,000 | 16 00 |
| do 18... | do Lee..... | 77th do..... | 500 | 8 00 |
| do 18... | do McMiking..... | 44th do..... | 1,000 | 16 00 |
| do 20... | Lieut. Conboy..... | 30th do..... | 500 | 8 00 |
| do 21... | do Jones..... | 37th do..... | 430 | 7 00 |
| do 23... | do A Paine..... | 13th do..... | M.H. 1,000 | 36 00 |
| do 23... | do..... | 13th do..... | Snider 1,000 | |
| do 23... | Captain Hughes..... | 45th do..... | 500 | 8 00 |
| do 24... | Lieut. Lanskail..... | 12th do..... | 500 | 8 00 |
| do 25... | Captain Murray..... | 36th do..... | 500 | 8 00 |
| do 26... | do Jamieson..... | 30th do..... | 1,500 | 24 00 |
| do 31... | do Murray..... | 36th do..... | 500 | 8 00 |
| Sept. 3... | Lt.-Col. Alger..... | Ontario Rifle Association..... | 20,000 | 320 00 |
| do 10... | Captain Bertram..... | 77th Battalion..... | 500 | 8 00 |
| do 17... | J. Crowe..... | Guelph Rifle Association..... | 2,000 | 32 00 |
| do 17... | G. T. Ware..... | Port Arthur Rifle Association..... | 2,000 | 32 00 |
| do 17... | Lt.-Col. Gwyn..... | 77th Battalion..... | 500 | 8 00 |
| do 17... | C. B. Lewis..... | Norfolk Rifle Association..... | M.H. 500 | 10 00 |
| do 20... | Major Mason..... | 13th Battalion..... | 3,000 | 48 00 |
| do 20... | Lieut. A. Paine..... | 13th do..... | 400 | 6 75 |
| do 23... | Captain Murray..... | 36th do..... | 500 | 8 00 |
| do 24... | Sergt. Robinson..... | 45th do..... | 1,500 | 24 00 |
| do 25... | Lieut. Lanskail..... | 12th do..... | 500 | 8 00 |
| do 25... | Sergt. Robinson..... | 45th do..... | 500 | 8 00 |
| do 25... | Captain Kingston..... | 30th do..... | 500 | 8 00 |
| do 25... | Lieut. Collins..... | 19th do..... | 500 | 8 00 |
| do 25... | Lt.-Col. Alger..... | Ontario Rifle Association..... | M.H. 7,700 | 587 28 |
| do 25... | do..... | do..... | Snider 27,080 | |
| Oct. 3... | Captain McMiking..... | 44th Battalion..... | 500 | 8 00 |
| do 3... | Purvis Brothers..... | 35th do..... | 1,000 | 16 00 |
| do 3... | Lieut. Johnson..... | 27th do..... | 1,000 | 16 00 |
| do 5... | Major Dunn..... | Governor General's Body Guard..... | 2,000 | 32 00 |
| do 10... | Lieut. A. Paine..... | 13th Battalion..... | M.H. 1,500 | 30 00 |
| do 10... | A. Miller..... | Bruce Rifle Association..... | 1,000 | 16 00 |
| do 10... | Captain Patterson..... | 34th Battalion..... | 500 | 8 00 |
| do 13... | Mr. Cole..... | Niagara Falls Rifle Association..... | 500 | 8 00 |
| do 13... | Lt.-Col. Telford..... | 31st Battalion..... | 500 | 8 00 |
| do 29... | Captain McGregor..... | 77th do..... | 1,500 | 24 00 |
| do 29... | Major Mason..... | 13th do..... | 2,000 | 32 00 |
| do 31... | do Dunn..... | Governor General's Body Guard..... | 2,000 | 32 00 |
| Nov. 17... | Lt.-Col. Otter..... | "C" Company, R. S. I..... | 1,250 | 20 00 |
| do 17... | do Alger..... | Ontario Rifle Association..... | 3,000 | 48 00 |
| do 17... | do..... | do..... | M.H. 3,100 | 62 00 |
| do 17... | Captain Laidlaw..... | 30th Battalion..... | 500 | 8 00 |
| do 24... | do Paterson..... | 34th do..... | 500 | 8 00 |
| do 27... | do Lee..... | 77th do..... | 500 | 8 00 |
| do 30... | do Kingston..... | 30th do..... | 1,000 | 16 00 |
| Dec. 12... | Lieut. Conboy..... | 30th do..... | M.H. 200 | 8 80 |
| do 12... | do..... | 30th do..... | Sniper 300 | |
| do 12... | Captain Jamieson..... | 30th do..... | 500 | 8 00 |
| do 13... | Mr. J. S. McClelland..... | Lincoln Rifle Association..... | 1,000 | 16 00 |
| do 19... | Sergt. Robinson..... | 45th Battalion..... | 500 | 8 00 |
| do 20... | Captain Laidlaw..... | 30th do..... | 500 | 8 00 |
| Total..... | | | 222,650 | 3,698 11 |

S. A. AMMUNITION issued on repayment during the Year, 1888—Continued.

Military District No. 3, Kingston.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|-------------|-------------------------------|---|---------|---------|
| 1888. | | | | \$ cts. |
| April 25... | M. Lavell | Kingston Penitentiary | 2,500 | 40 00 |
| May 3... | N. S. Young | Bowmanville Rifle Association M.H. | 1,000 | 20 00 |
| do 14... | Major R. Dingwall | 46th Battalion | 2,000 | 32 00 |
| do 21... | Lieut. E. A. Macnachten | Garrison Artillery | 2,000 | 32 00 |
| do 23... | do Hara | 14th Battalion | 250 | 4 00 |
| do 31... | J. B. Pentland | Peterboro' Rifle Association | 1,000 | 16 00 |
| June 19... | N. S. Young | Bowmanville do | 2,000 | 32 00 |
| July 5... | Captain Ponton | 15th Battalion | 2,000 | 32 00 |
| do 9... | J. B. Mitchell | Bowmanville Rifle Association M.H. | 1,000 | 20 00 |
| do 12... | Captain Skinner | 14th Battalion | 1,005 | 16 00 |
| do 12... | do Murray | 14th do | 500 | 8 00 |
| do 13... | Major Bell | 57th do | 1,000 | 36 00 |
| do 13... | do | 57th do | 1,000 | |
| do 13... | do | Snider | 500 | 10 00 |
| do 13... | Captain Ponton | 15th do | 500 | 18 00 |
| do 20... | Lt.-Col. Kirkpatrick | 47th do | 500 | |
| do 20... | do | 47th do | 500 | 52 00 |
| do 31... | Major Dingwall | 46th do | 1,000 | |
| do 31... | do | 46th do | 2,000 | 10 00 |
| Aug. 10... | Lt.-Col. O'Malley | 25th do | 500 | |
| do 10... | J. B. Pentland | Peterboro' Rifle Association | 1,000 | 16 00 |
| do 13... | Sergt. Swaine | 14th Battalion | 1,000 | 16 00 |
| do 20... | Major Dingwall | 46th do | 3,000 | 48 00 |
| Sept. 17... | N. S. Young | Bowmanville Rifle Association M.H. | 1,000 | 52 00 |
| do 17... | do | do do | 2,000 | |
| do 21... | Sergt. Swaine | 14th Battalion | 1,000 | 16 00 |
| do 21... | Lt.-Col. Brown | 49th do | 1,000 | 16 00 |
| do 21... | do Kirkpatrick | 47th do | 500 | 8 00 |
| do 25... | Lieut. Macnachten | Garrison Artillery | 300 | 17 20 |
| do 25... | do | do do | 700 | |
| Oct. 2... | J. B. Pentland | Peterboro' Rifle Association | 3,000 | 48 00 |
| do 9... | Major Dingwall | 46th Battalion | 2,000 | 32 00 |
| do 9... | Sergt. Swaine | 14th do | 1,000 | 16 00 |
| do 16... | Captain Murray | 14th do | 500 | 8 00 |
| Total | | | 40,250 | 671 20 |

Military District No. 4, Ottawa.

| | | | | |
|-------------|-----------------------|--|-------|-------|
| Jan. 17... | Sergt. Cawdron | Governor General's Foot Guards | 200 | 3 20 |
| March 3... | Ottawa College | Blank | 200 | 2 00 |
| April 18... | Lt.-Col. White | 43rd Battalion | 200 | 2 00 |
| do 25... | J. H. Bothwell | Lanark Rifle Association | 1,000 | 20 00 |
| May 2... | Sergt. Cawdron | Governor General's Foot Guards | 1,120 | 17 92 |
| do 2... | Major Perley | Ottawa Rifle Club | 600 | 20 96 |
| do 2... | do | do do | 560 | |
| do 5... | Dominion Police ..... | ..... | 1,000 | 16 00 |
| do 8... | Sergt. Cawdron | Governor General's Foot Guards M.H. | 600 | 12 00 |
| do 9... | Mr. Ellis | Ottawa Rifle Club | 1,000 | 20 00 |
| do 9... | Lieut. Winters | Governor General's Foot Guards M.H. | 800 | 28 00 |
| do 9... | do | do do | 1,000 | |
| do 11... | Captain Bell | 43rd Battalion | 500 | 8 00 |
| do 17... | Sergt. Cawdron | Governor General's Foot Guards | 560 | 8 96 |
| do 17... | Mr. Ellis | Ottawa Rifle Club | 420 | 6 72 |
| do 22... | Captain McKay | 1st Battalion | 1,200 | 19 20 |
| do 25... | Sergt. Cawdron | Governor General's Foot Guards M.H. | 500 | 10 00 |
| do 31... | J. H. Bothwell | Lanark Rifle Association | 500 | 10 00 |

S. A. AMMUNITION issued on repayment during the Year, 1888—Continued.

Military District No. 4, Ottawa—Continued.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|--------------------------|---------------------------------------|---------|---------|
| 1888. | | | | \$ cts. |
| June 1... | Captain Bell | 43rd Battalion | 500 | 8 00 |
| do 4... | do McKay | 41st do | 500 | 10 00 |
| do 8... | Sergt Cawdron | Governor General's Foot Guards.. M.H. | 300 | 10 00 |
| do 8... | do | do do | 250 | |
| do 8... | Captain Bell | 43rd Battalion | 500 | 8 00 |
| do 8... | G. E. Myers | Morrisburg Rifle Association | 2,000 | 32 00 |
| do 11... | Sergt. Cawdron | Governor General's Foot Guards | 750 | 12 00 |
| do 12... | E. G. Grant | 43rd Battalion | 500 | 8 00 |
| do 14... | Captain Billings | 43rd do | 100 | 1 60 |
| do 15... | Lieut Winter | Governor General's Foot Guards | 1,000 | 16 00 |
| do 18... | J. McLeod | Almonte Rifle Association | 500 | 8 00 |
| do 19... | Sergt. Cawdron | Governor General's Foot Guards.. M.H. | 500 | 12 00 |
| do 19... | Captain Billings | 43rd Battalion | 500 | 8 00 |
| do 19... | do Bell | 43rd do | 500 | 8 00 |
| do 26... | Sergt. Cawdron | Governor General's Foot Guards | 500 | 8 96 |
| do 26... | J. H. Bothwell | Lanark Rifle Association | 1,000 | 20 00 |
| do 30... | Sergt. Cawdron | Governor General's Foot Guards | 200 | 3 20 |
| do 30... | Captain Bell | 43rd Battalion | 1,000 | 16 00 |
| July 4... | J. McLeod | Almonte Rifle Association.. M.H. | 500 | 10 00 |
| do 6... | Sergt. Cawdron | Governor General's Foot Guards | 500 | 10 00 |
| do 6... | Dominion Police ..... | ..... | 500 | 8 00 |
| do 6... | Lieut Winter | Governor General's Foot Guards | 1,000 | 16 00 |
| do 9... | J. S. Huntingdon | 56th Battalion | 500 | 26 00 |
| do 9... | do | 56th do | 1,000 | |
| do 11... | Sergt. Cawdron | Governor General's Foot Guards | 800 | 12 80 |
| do 14... | do | do do | 200 | 3 20 |
| do 18... | do | do do | 300 | 10 80 |
| do 18... | do | do do | 300 | |
| do 18... | J. D. Taylor | Ottawa Rifle Club | 500 | 20 00 |
| do 18... | do | do do | 500 | |
| do 19... | Captain Bell | 43rd Battalion | 1,000 | 16 00 |
| do 23... | Sergt. Cawdron | Governor General's Foot Guards | 300 | 14 00 |
| do 23... | do | do do | 500 | |
| do 24... | Captain Gourdeau | Princess Louise Dragoon Guards | 500 | 8 00 |
| do 26... | W. S. Hughes | Cornwall Rifle Association | 500 | 8 00 |
| do 26... | Captain Billings | 43rd Battalion | 100 | 10 00 |
| do 26... | do | 43rd do | 500 | |
| do 28... | Sergt. Cawdron | Governor General's Foot Guards | 500 | 8 00 |
| do 28... | Lieut. Winter | do do | 3,000 | 48 00 |
| Aug. 3... | Captain Bell | 43rd Battalion | 500 | 8 00 |
| do 4... | Sergt. Cawdron | Governor General's Foot Guards.. M.H. | 200 | 4 00 |
| do 13... | do | do do | 500 | 18 00 |
| do 13... | do | do do | 500 | |
| do 13... | G. Myers | Morrisburg Rifle Association | 1,200 | 48 25 |
| do 13... | do | do do | 1,500 | |
| do 14... | Lieut Rogers | 43rd Battalion | 1,000 | 16 00 |
| do 20... | Sergt Cawdron | Governor General's Foot Guards | 1,500 | 24 00 |
| do 21... | Dominion Police ..... | ..... | 500 | 8 00 |
| do 22... | A. Menzies | Arnprior Rifle Association | 600 | 12 00 |
| do 23... | Sergt. Cawdron | Governor General's Foot Guards | 500 | 8 00 |
| do 23... | J. D. Taylor | Metropolitan Rifle Association | 600 | 108 00 |
| do 23... | do | do do | 6,000 | |
| do 23... | J. S. Huntingdon | 56th Battalion | 500 | 8 00 |
| do 23... | J. McLeod | Almonte Rifle Association | 500 | 18 00 |
| do 28... | do | do do | 500 | |
| do 29... | Captain Billings | 43rd Battalion | 1,000 | 16 00 |
| do 30... | Mr Bennett ..... | ..... | 80 | 1 60 |
| Sept. 4... | J. H. Bothwell | Perth Rifle Association | 500 | 10 00 |
| do 4... | Captain Motherwell | do do | 1,000 | 20 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—*Continued.**Military District No. 4, Ottawa—Concluded.*

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|-----------------------------|---|---------|----------|
| 1888. | | | | \$ cts. |
| Sept. 6... | Major Stewart..... | Ottawa Field Battery..... | 500 | 8 00 |
| do 8... | W. S. Hughes..... | Cornwall Rifle Association..... | 500 | 8 00 |
| do 11... | Dominion Police..... | | 500 | 8 00 |
| do 11... | Sergt Cawdron..... | Governor General's Foot Guards..... | 1,000 | 16 00 |
| do 13... | J. S. Huntingdon..... | 56th Battalion..... | 2,500 | 40 00 |
| do 17... | Captain Macdonald..... | 43rd do..... Blank | 2,000 | 20 00 |
| do 17... | do Peckett..... | 56th do..... Blank | 200 | 2 00 |
| do 17... | do Bell..... | 43rd do..... | 500 | 8 00 |
| do 17... | Sergt. Mailleaux..... | Governor General's Foot Guards..... | 500 | 8 00 |
| do 18... | J. H. Rohwell..... | Perth Rifle Association..... M.H. | 1,600 | 30 00 |
| do 19... | Captain Billings..... | 43rd Battalion..... | 500 | 8 00 |
| do 19... | do Thompson..... | Governor General's Foot Guards..... M.H. | 600 | 20 00 |
| do 19... | do do..... | do do..... Snider | 500 | |
| do 21... | Sergt. Cawdron..... | do do..... M.H. | 600 | 20 00 |
| do 21... | do do..... | do do..... Snider | 500 | |
| do 22... | do Mailleaux..... | do do..... | 500 | 8 00 |
| do 22... | Dominion Police..... | | 1,500 | 24 00 |
| do 27... | Captain Motherwell..... | Perth Rifle Association..... M.H. | 1,000 | 20 00 |
| do 28... | W. S. Hughes..... | Cornwall do..... | 500 | 8 00 |
| do 14... | Dominion Rifle Assoc'n..... | | 3,400 | 68 00 |
| do 25... | Sergt. Cawdron..... | Governor General's Foot Guards..... M.H. | 900 | 26 00 |
| do 25... | do do..... | do do..... Snider | 500 | |
| Oct. 11... | W. S. Hughes..... | Cornwall Rifle Association..... | 500 | 8 00 |
| do 11... | Captain Thompson..... | Governor General's Foot Guards..... | 1,000 | 16 00 |
| do 12... | do Craig..... | 42nd Battalion..... | 560 | 9 60 |
| do 15... | Major Anderson..... | 43rd do..... M.H. | 1,200 | 88 00 |
| do 15... | do do..... | 43rd do..... Snider | 4,000 | |
| do 18... | Captain Billings..... | 43rd do..... | 700 | 11 20 |
| do 21... | Major Carmichael..... | 56th do..... | 1,500 | 24 00 |
| do 22... | J. McLeod..... | Almonte Rifle Association..... M.H. | 500 | 10 00 |
| do 25... | W. S. Hughes..... | Cornwall do..... | 500 | 8 00 |
| do 26... | do do..... | do do..... | 2,000 | 32 00 |
| do 30... | Sergt Cawdron..... | Governor General's Foot Guards..... | 500 | 8 00 |
| Nov. 2... | do do..... | do do..... | 500 | 8 00 |
| do 3... | Captain Billings..... | 43rd Battalion..... | 500 | 8 00 |
| do 17... | A. Menzies..... | Arnprior Rifle Association..... M.H. | 2,000 | 48 00 |
| do 17... | do do..... | do do..... Snider | 500 | |
| do 29... | Captain Billings..... | 43rd Battalion..... | 200 | 3 20 |
| do 30... | do Thompson..... | Governor General's Foot Guards..... | 1,000 | 16 00 |
| Dec. 6... | do Billings..... | 43rd Battalion..... | 500 | 8 00 |
| do 20... | Lieut Walker..... | 47th do..... M.H. | 250 | 5 00 |
| | Dominion Rifle Assoc'n..... | | 23,351 | 467 02 |
| | do do..... | | 27,607 | 441 71 |
| | do do..... | Pistol..... | 132 | 1 31 |
| | do do..... | Friction tubes and filled cartridges..... | | 4 54 |
| | Gunpowder for noon gun | 500 lbs ; friction tubes, 315..... | | 131 90 |
| | | Total..... | 148,000 | 2,658 86 |

Military Districts Nos. 5 and 6, Montreal.

| | | | | |
|-------------|----------------------|-------------------------------|-------|-------|
| April 16... | Sergt. Costen..... | Victoria Rifle Club..... M.H. | 500 | 18 00 |
| do 16... | do do..... | do do..... Snider | 500 | |
| May 15... | Captain Fraser..... | 53rd Battalion..... | 500 | 6 00 |
| do 21... | Major MacLaren..... | 50th do..... | 3,500 | 56 00 |
| do 23... | Lieut. Spearing..... | 53rd do..... | 1,000 | 16 00 |
| do 30... | Captain Fraser..... | 53rd do..... | 500 | 8 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—Continued.

Military Districts Nos 5 and 6, Montreal—Concluded.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|---------------------------------|--------------------------------------|---------------|----------|
| 1888. | | | | \$ cts. |
| June 2... | Lieut. Spearing | 53rd Battalion | M. H. 500 | 18 00 |
| do 2... | do | 53rd do | Snider 500 | |
| July 14... | do | 53rd do | 1,500 | 24 00 |
| do 24... | do | 53rd do | M. H. 1,000 | 44 00 |
| do 24... | do | 53rd do | Snider 1,500 | |
| do 27... | Sergt. MacAdam | 3rd do | 500 | 8 00 |
| do 30... | Lt.-Col. Martin | Province of Quebec Rifle Association | M. H. 6,500 | 378 00 |
| do 30... | do | do | Snider 15,500 | |
| do 30... | Captain Brown | 54th Battalion | 500 | 8 00 |
| do 30... | Sergt. Hall | 79th do | 1,000 | 16 00 |
| do 30... | Captain Whitman | 60th do | M. H. 500 | 10 00 |
| Aug. 10... | do Thomas | 54th do | 2,000 | 32 00 |
| do 15... | do Baker | 58th do | 1,500 | 24 00 |
| do 15... | Sergt. Johnson | 51st do | 500 | 8 00 |
| do 16... | Lieut. Desbarats | 3rd do | M. H. 500 | 18 00 |
| do 16... | do | 3rd do | Snider 500 | |
| do 17... | Major Bernard | 54th do | 1,000 | 16 00 |
| do 25... | Dr. Smith | 11th do | 500 | 8 00 |
| do 30... | Captain Brooks | 79th do | 2,000 | 32 00 |
| Sept. 5... | Messrs. Frothingham and Workman | | 500 | 8 00 |
| do 5... | Captain Hall | 52nd Battalion | 1,000 | 16 00 |
| do 11... | Major McFee | 51st do | 4,000 | 64 00 |
| do 11... | do Lamb | 11th do | 4,000 | 64 00 |
| do 15... | do | 11th do | M. H. 500 | 10 00 |
| do 15... | Dr. Smith | 11th do | M. H. 500 | 34 00 |
| do 15... | do | 11th do | Snider 1,500 | |
| do 19... | Captain Bowen | 52nd do | 500 | 8 00 |
| do 19... | do Hall | 52nd do | 1,000 | 16 00 |
| do 28... | Dr. Smith | 11th do | M. H. 1,000 | 52 00 |
| do 28... | do | 11th do | Snider 2,000 | |
| do 28... | Montreal Rifle Association | | 500 | 8 00 |
| do 28... | Captain Whitman | 60th Battalion | 1,000 | 16 00 |
| Oct. 1... | Sergt. Marks | Rifle Association | 1,500 | 24 00 |
| do 4... | Lt.-Col. Dufresne | 86th Battalion | 500 | 8 00 |
| do 4... | Captain Chapdelaine | 86th do | 500 | 8 00 |
| do 4... | Major Bulman | 79th do | 2,500 | 40 00 |
| do 5... | do Lamb | 11th do | M. H. 500 | 10 00 |
| do 5... | do Bernard | 54th do | M. H. 1,000 | 36 00 |
| do 5... | do do | 54th do | Snider 1,000 | |
| do 22... | Sergt. Marks | Rifle Association | 500 | 8 00 |
| do 24... | Dr. Sylvester | 86th Battalion | 500 | 8 00 |
| do 29... | Major Dixon | 86th do | M. H. 500 | 10 00 |
| Total | | | 71,500 | 1,198 00 |

Military District No. 7, Quebec.

| | | | | |
|------------|-----------------------|------------------|------------|-------|
| April 4... | Lt.-Col. H. J. Miller | 8th Royal Rifles | 1,000 | 16 00 |
| do 20... | do | do | 1,000 | 16 00 |
| May 11... | do | do | 1,000 | 16 00 |
| do 17... | Captain Pinault | 9th Battalion | 2,000 | 32 00 |
| do 30... | Lt.-Col. H. J. Miller | 8th Royal Rifles | 2,000 | 32 00 |
| June 8... | do | do | M. H. 250 | 13 00 |
| do 8... | do | do | Snider 500 | |
| do 23... | do | do | 1,000 | 16 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—Continued.

Military District No. 7, Quebec—Concluded.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|--|-------------------------------------|---------|---------|
| 1888. | | | | \$ cts. |
| June 28... | Lt.-Col. H. J. Miller, | 8th Royal Rifles..... | 500 | 8 00 |
| July 7... | do do | do do M. H. | 200 | 20 00 |
| do 7... | do do | do do Snider | 1,000 | |
| do 18... | R. Stewart | Megantic Rifle Association | 3,500 | 56 00 |
| do 20... | Lt.-Col. H. J. Miller..... | 8th Royal Rifles | 500 | 26 00 |
| do 20... | do do | do do Snider | 1,000 | |
| do 27... | do do | do do | 3,000 | 48 00 |
| Aug. 8... | Captain Talbot..... | Temiscouata Rifle Association | 1,000 | 16 00 |
| do 8... | do Gauvin..... | do do | 1,680 | 26 88 |
| do 9... | do Potvin..... | 88th Battalion..... | 500 | 8 00 |
| do 17... | Lt.-Col. H. J. Miller..... | 8th Royal Rifles..... | 1,200 | 24 00 |
| do 17... | N Gauvin | Fraserville Rifle Association | 2,620 | 40 32 |
| do 17... | Captain Talbot | 9th Battalion | 1,500 | 24 00 |
| do 10... | 17th Battalion Rifle Association ..... | ..... | 500 | 8 00 |
| do 2... | Lt.-Col. H. J. Miller..... | 8th Royal Rifles..... | 1,000 | 16 00 |
| do 21... | 87th Battalion Rifle Association ..... | ..... | 1,500 | 24 00 |
| do 22... | do ..... | ..... | 2,000 | 32 00 |
| do 29... | Major Demers..... | 17th Battalion | 100 | 10 00 |
| do 29... | Lt.-Col. H. J. Miller..... | 8th Royal Rifles..... | 500 | |
| do 29... | do do | do do Snider | 500 | |
| Sept. 6... | Temiscouata Rifle Association ..... | ..... | 500 | 8 00 |
| do 22... | Captain Fages | 9th Battalion | 500 | 8 00 |
| do 28... | Lt.-Col. H. J. Miller..... | 8th Royal Rifles..... | 500 | 8 00 |
| do 29... | do do | do do | 500 | 8 00 |
| Oct. 9... | Major Demers..... | 17th Battalion | 500 | 8 00 |
| Total..... | | | 34 950 | 568 20 |

Military District No. 8, St. John, N. B.

| | | | | |
|-------------|---------------------------|---|-------|-------|
| April 24... | Sergt. Miner | M. H. | 200 | 4 00 |
| May 9... | Captain J. T. Hartt. | St. John Rifle Company..... | 600 | 12 00 |
| do 9... | do do | do do | 600 | 9 60 |
| do 9... | do A. McDonald | 74th Battalion | 1,000 | 16 00 |
| do 10... | C Elliot | Moncton Rifle Association | 1,000 | 16 00 |
| do 22... | Captain Loggie | 71st Battalion | 1,000 | 16 00 |
| June 1... | do F. H. Hartt. | 62nd do | 1,000 | 16 00 |
| do 4... | do J. T. Hartt. | St. John Rifle Company..... | 1,000 | 20 00 |
| do 4... | do do | do do | 500 | 8 00 |
| do 4... | J. D Chipman..... | Charlotte County Rifle Association..... | 1,000 | 16 00 |
| do 6... | C. Elliot | Moncton do | 2,000 | 16 00 |
| do 11... | Lieut J. McDougall | 8th Cavalry..... | 500 | 26 00 |
| do 11... | do do | do do Snider | 1,000 | |
| do 12... | Captain McRobbie | do do | 500 | 26 00 |
| do 12... | do do | do do Snider | 1,000 | |
| July 6... | Major Baird | 74th Battalion..... | 1,000 | 16 00 |
| do 9... | C. Elliot | Moncton Rifle Association | 1,000 | 16 00 |
| do 18... | Captain J. T. Hartt. | St John Rifle Company..... | 1,500 | 24 00 |
| do 26... | Major Baird..... | 74th Battalion | 1,000 | 16 00 |
| do 30... | do Vince | Carleton County Rifle Association..... | 2,000 | 31 00 |
| do 31... | Captain McRobbie..... | 8th Cavalry | 1,000 | 16 00 |
| Aug 2... | C. Elliot | Moncton Rifle Association | 1,000 | 16 00 |
| do 6... | Captain F. H. Hartt. | 62nd Battalion..... | 1,000 | 16 00 |
| do 8... | A. McDonald | Moncton Rifle Association..... | 2,000 | 32 00 |
| do 9... | Major Vince | Carleton County do | 1,000 | 16 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—Continued.

Military District No. 8, St. John, N.B.—Concluded.

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|--------------------------|---|---------|---------|
| 1888. | | | | \$ cts. |
| Aug. 14... | Captain J. T. Hartt..... | St. John Rifle Company..... | 500 | 8 00 |
| do 15... | A. McDonald..... | Moncton Rifle Association..... | 1,000 | 16 00 |
| do 20... | Captain J. T. Hartt..... | St. John Rifle Company..... | 10,000 | 160 00 |
| do 20... | do do..... | do do..... | 500 | 8 00 |
| do 20... | do do..... | do do..... | 2,500 | 50 00 |
| do 21... | do Loggie..... | 71st Battalion..... | 1,000 | 16 00 |
| do 21... | J. D. Chipman..... | Charlotte County Rifle Association..... | 1,000 | 16 00 |
| Sept. 6... | Captain Loggie..... | 71st Battalion..... | 2,000 | 32 00 |
| do 11... | C. Elliot..... | Moncton Rifle Association..... | 1,000 | 16 00 |
| do 22... | Captain Loggie..... | 71st Battalion..... | 1,000 | 16 00 |
| do 26... | A. McDonald..... | Moncton Rifle Association..... | 500 | 8 00 |
| do 27... | Lt.-Col. Beer..... | 74th Battalion..... | 1,250 | 20 00 |
| Oct. 2... | J. D. Chipman..... | Charlotte County Rifle Association..... | 1,050 | 16 00 |
| do 29... | C. Elliot..... | Moncton do..... | 500 | 8 00 |
| | Messrs. Thorne & Co..... | Friction tubes..... | | 25 80 |
| | | Total..... | 48,150 | 817 40 |

Military District No. 9, Halifax, N. S.

| | | | | |
|------------|--------------------------|---------------------------------------|-------|-------|
| 1887. | | | | |
| Dec. 30... | Captain J. Crane..... | 63rd Battalion..... | 500 | 8 00 |
| 1888. | | | | |
| May 15... | Lieut. E. Bent..... | do..... | 1,500 | 24 00 |
| do 22... | Major T. J. Egan..... | do..... | 500 | 18 00 |
| do 22... | do..... | do..... | 500 | 18 00 |
| do 28... | Lt.-Col. Curren..... | Halifax Garrison Artillery..... | 500 | 10 00 |
| do 28... | Captain Oxley..... | 93rd Battalion..... | 500 | 10 00 |
| do 29... | Major T. J. Egan..... | 63rd do..... | 1,000 | 16 00 |
| June 8... | Lt.-Col. Mackintosh..... | 63rd do..... | 4,000 | 64 00 |
| do 11... | Lt.-Col. Curren..... | Halifax Garrison Artillery..... | 1,000 | 20 00 |
| do 27... | Major Lydiard..... | 68th Battalion..... | 1,000 | 16 00 |
| do 27... | Lt.-Col. Curren..... | Halifax Garrison Artillery..... | 1,900 | 30 40 |
| do 27... | Lieut. Dimock..... | 78th Battalion..... | 500 | 8 00 |
| do 29... | Lt.-Col. Murray..... | Halifax County Rifle Association..... | 1,500 | 24 00 |
| do 29... | do Curren..... | do Garrison Artillery..... | 3,000 | 48 00 |
| do 29... | do Macdonald..... | 66th Battalion..... | 1,000 | 16 00 |
| do 30... | do..... | 66th do..... | 1,000 | 16 00 |
| July 4... | Lt.-Col. Mackintosh..... | 63rd do..... | 3,000 | 48 00 |
| do 6... | do..... | 63rd do..... | 1,000 | 20 00 |
| do 10... | do..... | 63rd do..... | 500 | 8 00 |
| do 10... | Captain Burden..... | 68th do..... | 200 | 9 60 |
| do 10... | do..... | 68th do..... | 350 | 5 60 |
| do 11... | Lt.-Col. Mackintosh..... | 63rd do..... | 500 | 8 00 |
| do 14... | do..... | 63rd do..... | 500 | 8 00 |
| do 14... | do..... | 63rd do..... | 2,000 | 48 00 |
| do 14... | do..... | 63rd do..... | 500 | 8 00 |
| do 14... | Lt.-Col. Starratt..... | Annapolis Rifle Association..... | 500 | 18 00 |
| do 14... | do..... | do do..... | 500 | 18 00 |
| do 21... | do Mackintosh..... | 63rd Battalion..... | 1,000 | 16 00 |
| do 31... | do Curren..... | Halifax Garrison Artillery..... | 1,000 | 16 00 |
| do 31... | do Mackintosh..... | 63rd Battalion..... | 950 | 15 20 |
| do 31... | do Macdonald..... | 66th do..... | 1,000 | 16 00 |
| Aug. 2... | do Mackintosh..... | 63rd do..... | 920 | 14 72 |
| do 2... | Captain Chipman..... | 66th do..... | 500 | 10 00 |
| do 3... | Lieut. Dimock..... | 78th do..... | 500 | 10 00 |
| do 6... | Captain Laurence..... | 78th do..... | 500 | 8 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—*Continued.**Military District No. 9, Halifax, N. S.—Concluded.*

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|------------|--------------------------|--|------------|----------|
| 1888. | | | | \$ cts. |
| Aug. 8... | Lt.-Col. Curren..... | Halifax Garrison Artillery..... | M.H. 600 | 12 00 |
| do 18... | do Mackintosh..... | 63rd Battalion..... | 840 | 13 44 |
| do 18... | Captain Harrison..... | 93rd do..... | 500 | 8 00 |
| do 20... | Major Weston..... | Provincial Rifle Association..... | 6,300 | 100 80 |
| do 20... | Captain Chipman..... | 66th Battalion..... | 2,000 | 32 00 |
| do 26... | Lieut. Dimock..... | 78th do..... | 500 | 8 00 |
| Sept. 9... | Captain Chipman..... | 66th do..... | 2,000 | 32 00 |
| do 10... | Lt.-Col. Mackintosh..... | 63rd do..... | 500 | 8 00 |
| do 18... | D. O. Blair..... | Colchester County Rifle Association..... | 1,000 | 16 00 |
| do 18... | Lt.-Col. Macdonald..... | 66th Battalion..... | 500 | 8 00 |
| do 18... | do Curren..... | Halifax Garrison Artillery..... | 470 | 7 52 |
| Oct. 4... | Captain Oxley..... | 93rd Battalion..... | 420 | 6 72 |
| do 4... | Major Marshall..... | Annapolis Rifle Association..... | M.H. 500 | 18 00 |
| do 4... | do..... | do do..... | Snider 500 | |
| do 4... | Lieut. Dimock..... | 78th Battalion..... | 1,000 | 16 00 |
| do 4... | Lt.-Col. Mackintosh..... | 63rd do..... | 500 | 8 00 |
| do 4... | Captain Daley..... | Digby Garrison Artillery..... | 1,000 | 16 00 |
| do 9... | do Jolly..... | Yarmouth do..... | 500 | 8 00 |
| do 12... | Lt.-Col. Mackintosh..... | 63rd Battalion..... | 1,000 | 16 00 |
| do 19... | Captain Harrison..... | 93rd do..... | 1,500 | 24 00 |
| do 31... | Lt.-Col. Mackintosh..... | 63rd do..... | 420 | 6 72 |
| do 31... | Captain Gordon..... | Pictou County Rifle Association..... | 1,000 | 16 00 |
| do 31... | do Chipman..... | 66th Battalion..... | 1,000 | 16 00 |
| do 31... | Major T. J. Egan..... | 63rd do..... | 440 | 7 04 |
| Total..... | | | 60,810 | 1,006 16 |

Military District No. 10, Winnipeg.

| | | | | |
|-------------|------------------------------|---|---------------|--------|
| Jan. 16... | A. McIntyre..... | Winnipeg Rifle Association..... | 4,000 | 64 00 |
| April 28... | Hingston, Smith Arms Co..... | M.H. | 1,200 | 24 00 |
| May 18... | A. Gotthard..... | Brandon Rifle Association..... | M.H. 500 | 26 00 |
| do 18... | do..... | do do..... | Snider 1,000 | |
| do 21... | Captain Shepherd..... | Portage la Prairie do..... | M.H. 500 | 18 00 |
| do 21... | do..... | do do..... | Snider 500 | |
| June 6... | Hingston, Smith Arms Co..... | M.H. | 1,200 | 24 00 |
| do 15... | J. H. Ashdown..... | Alberta Rifle Association..... | M.H. 1,200 | 88 00 |
| do 15... | do..... | do do..... | Snider 4,000 | |
| do 15... | Hingston, Smith Arms Co..... | M.H. | 1,200 | 56 00 |
| do 15... | do..... | do do..... | Snider 2,000 | |
| do 21... | Edmonton Rifle Assoc'n..... | ..... | 1,000 | 20 00 |
| July 11... | Hingston, Smith Arms Co..... | M.H. | 1,800 | 68 00 |
| do 11... | do..... | do do..... | Snider 1,000 | |
| do 27... | J. H. Ashdown..... | Portage la Prairie Rifle Association..... | M.H. 2,000 | 72 00 |
| do 27... | do..... | do do..... | Snider 2,000 | |
| do 28... | Sergt. Garbutt..... | Winnipeg do..... | 500 | 8 00 |
| Aug. 1... | A. McIntyre..... | do do..... | M.H. 1,800 | 68 00 |
| do 1... | do..... | do do..... | Snider 2,000 | |
| do 1... | A. Gotthard..... | Brandon do..... | 2,000 | 32 00 |
| do 7... | A. McIntyre..... | Winnipeg do..... | M.H. 2,400 | 80 00 |
| do 7... | do..... | do do..... | Snider 2,000 | |
| do 13... | G. W. Street..... | Regina do..... | M.H. 500 | 26 00 |
| do 13... | do..... | do do..... | Snider 1,000 | |
| do 18... | do..... | do do..... | M.H. 3,000 | 220 00 |
| do 18... | do..... | do do..... | Snider 10,000 | |
| do 18... | do..... | do do..... | Pistol 1,000 | 10 00 |

S. A. AMMUNITION issued on repayment during the Year 1888—*Continued.**Military District No. 10, Winnipeg—Concluded.*

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|-------------|------------------------|--------------------------------------|---------|----------|
| 1888. | | | | \$ cts. |
| Aug. 18... | Edmonton Rifle Assoc'n | ..... | 1,000 | 20 00 |
| do 25... | Major Mowatt | Regina Rifle Association | 1,250 | 20 00 |
| Sept. 10... | Edmonton Rifle Assoc'n | ..... | 1,000 | 20 00 |
| Nov. 5... | G. W. Street | Regina Rifle Association | 1,000 | 16 00 |
| do 12... | do | do do | 1,000 | 16 00 |
| do 12... | Rifle Range Company | M.H. | 600 | 28 00 |
| do 12... | do | Snider | 1,000 | |
| do 26... | Edmonton Rifle Assoc'n | ..... | 3,000 | 60 00 |
| Dec. 17... | J. H. Ashdown | Portage la Prairie Rifle Association | 4,000 | 64 00 |
| Total..... | | | 65,150 | 1,148 00 |

Military District No. 11, Victoria, B.C.

| | | | | |
|-------------|-----------------------|------------------------------------|--------|--------|
| June 27... | Captain Jones | Garrison Artillery | 875 | 14 00 |
| July 18... | do Dorman | do | 4,000 | 64 00 |
| do 26... | do do | do | 2,000 | 32 00 |
| Aug. 18... | do do | do M.H. | 500 | 10 00 |
| Sept. 24... | do Fletcher | British Columbia Rifle Association | 600 | 12 00 |
| Oct. 13... | do Dorman | Garrison Artillery | 500 | 10 00 |
| Nov. 3... | do do | do | 2,000 | 32 00 |
| 1888. | | | | |
| Jan. 4... | Major Peters | "C" Battery R.S.A. | 60 | 0 96 |
| Mar. 12... | Captain Dorman | Garrison Artillery | 2,000 | 32 00 |
| do 27... | do do | do | 2,000 | 32 00 |
| April 11... | do do | do | 2,000 | 32 00 |
| do 16... | do Fletcher | British Columbia Rifle Association | 500 | 10 00 |
| May 17... | do Dorman | Garrison Artillery | 2,000 | 32 00 |
| June 6... | F. Glover | New Westminster Rifle Association | 2,000 | 32 00 |
| do 6... | Captain Dorman | Garrison Artillery | 1,000 | 16 00 |
| do 18... | do Fletcher | British Columbia Rifle Association | 500 | 8 00 |
| July 20... | do Dorman | Garrison Artillery | 2,000 | 32 00 |
| do 25... | do do | do | 2,000 | 32 00 |
| do 31... | do do | do | 2,000 | 32 00 |
| Aug. 6... | do do | do | 2,000 | 32 00 |
| do 6... | do do | do M.H. | 500 | 10 00 |
| Sept. 6... | do do | do M.H. | 500 | 10 00 |
| do 29... | Provincial Government | ..... | 500 | 8 00 |
| Oct. 10... | F. Glover | New Westminster Rifle Association | 2,000 | 32 00 |
| Total..... | | | 34,035 | 556 96 |

S. A. AMMUNITION issued on repayment during the Year 1888—*Continued.**Military District No. 12, Charlottetown, P. E. I.*

| Date. | Purchaser. | Corps. | Rounds. | Amount. |
|-------------|-------------------------|---|---------|---------|
| 1888. | | | | \$ cts. |
| Mar. 16... | Lieut. Stewart | King's County Rifle Association | 3,000 | 48 00 |
| April 17... | Captain Crockett | 82nd Battalion | 500 | 8 00 |
| do 27... | do Alexander | 82nd do | 500 | 8 00 |
| May 14... | do Weeks | Queen's County Rifle Association ... M.H. | 500 | 10 00 |
| do 26... | Lt.-Col. Irving | Provincial do | 500 | 8 00 |
| do 28... | do do | do do | 500 | 10 00 |
| do 31... | Captain Weeks | Queen's County do | 500 | 10 00 |
| June 11... | do do | do do | 500 | 10 00 |
| do 27... | Captain Longworth | Garrison Artillery | 500 | 8 00 |
| July 18... | Lieut. Hooper | 82nd Battalion | 500 | 8 00 |
| do 25... | Captain Stewart | 82nd do | 500 | 8 00 |
| do 25... | do Longworth | Garrison Artillery | 500 | 8 00 |
| do 30... | do Stewart | 82nd Battalion | 500 | 8 00 |
| do 31... | do Weeks | Queen's County Rifle Association | 500 | 8 00 |
| Aug. 7... | do Stewart | 82nd Battalion | 500 | 8 00 |
| do 8... | do do | 82nd do | 500 | 8 00 |
| do 9... | do Weeks | Queen's County Rifle Association | 500 | 8 00 |
| do 10... | do Stewart | 82nd Battalion | 500 | 8 00 |
| do 10... | Major Dogherty | Provincial Rifle Association | 5,000 | 80 00 |
| do 10... | Captain Stewart | 82nd Battalion | 1,000 | 16 00 |
| do 24... | do Weeks | Queen's County Rifle Association ... M.H. | 500 | 18 00 |
| do 24... | do do | do do ... Snider | 500 | |
| Sept. 19... | do Stewart | 82nd Battalion | 500 | 8 00 |
| do 24... | do Weeks | Queen's County Rifle Association | 1,000 | 16 00 |
| Oct. 9... | do Stewart | 82nd Battalion | 750 | 12 00 |
| Nov. 20... | do Alexander | 82nd do | 500 | 8 00 |
| do 27... | do Henderson | 82nd do | 500 | 8 00 |
| Dec. 7... | do Crockett | 82nd do | 500 | 8 00 |
| Total | | | 22,250 | 366 00 |

S. A AMMUNITION issued on repayment during the Year 1888—*Concluded*

RECAPITULATION.

| Military Districts. | | Rounds. | Amount. |
|--------------------------------------|--|---------|-----------|
| | | | \$ cts. |
| Military District No. 1, London..... | | 33,700 | 550 00 |
| do 2, Toronto..... | | 222,650 | 3,698 11 |
| do 3, Kingston..... | | 40 250 | 671 20 |
| do 4, Ottawa..... | | 146,000 | 2,658 86 |
| do 5, Montreal..... | | 71,500 | 1,198 00 |
| do 6, do..... | | | |
| do 7, Quebec..... | | 34,950 | 563 20 |
| do 8, St John, N. B..... | | 43,150 | 817 40 |
| do 9, Halifax, N. S..... | | 60,810 | 1,006 16 |
| do 10, Winnipeg..... | | 95,150 | 1,148 00 |
| do 11, Victoria, B. C..... | | 34,035 | 556 96 |
| do 12, Charlottetown, P. E. I..... | | 22,250 | 366 00 |
| Total..... | | 779,445 | 13,238 89 |

| | Rounds. |
|-------------------------|---------|
| Snider—Ball..... | 631,472 |
| Blank..... | 2,400 |
| Martini-Henri—Ball..... | 144,241 |
| Revolver—Colts'..... | 1,332 |
| | 779,445 |

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

[C]

RETURN of Gunpowder and Friction Tubes issued for Practice and Salutes during the Year 1888.

| Military Districts. | Stations. | Corps. | Gun-powder. | Friction Tubes. |
|---------------------|---------------------|--|-------------|-----------------|
| | | | Lbs. | No. |
| No. 2.... | Toronto..... | Field and Garrison Batteries of Artillery... | 1,817½ | 1,920 |
| No. 3.... | Kingston..... | Field and Garrison Batteries of Artillery, Royal Military College and Royal School of Artillery..... | 1,319½ | 1,050 |
| No. 4.... | Ottawa..... | Field Batteries of Artillery and Salutes.... | 411 | 150 |
| Nos. 5 & 6 | Montreal..... | Field and Garrison Batteries of Artillery and Salutes..... | 674½ | 510 |
| No. 7.... | Quebec..... | do do do..... | 7,860½ | 2,487 |
| No. 8.... | St. John, N. B..... | do do do..... | 1,315½ | 810 |
| No. 9.... | Halifax, N. S..... | Garrison Artillery Batteries..... | 782 | 200 |
| No. 10.... | Winnipeg..... | Winnipeg Field Battery and Salutes..... | 386 | 370 |
| No. 11.... | Victoria, B. C..... | Royal School of Artillery..... | | 1,000 |
| No. 12.... | Charlottetown..... | Garrison Artillery..... | 360 | 88 |
| Total..... | | | 14,926½ | 8,595 |

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

[D]—RETURN of Ordnance in possession of the Militia

| | | GUNS—FIELD, SIEGE AND GARRISON. | | | | | | | | | | | | | | | | | | | | | |
|----------|--|---------------------------------|--------|--------|-----------------|-------|-------|---------------------|--------|---------|-----------|---------------|---------------|---------|-------|-------|--------|-----------------|---------|---------|---------|---------|---------|
| | | Rifled. | | | | | | | | | | | | Smooth. | | | | | | | | | |
| | | Wrought-iron. | | | | | | Cast-iron converted | | Bronze. | | | | | | | | | | | | | |
| STATION. | | Breech-loading. | | | Muzzle-loading. | | | | | | | | | | | | | | | | | | |
| | | 6-pr. | 12-pr. | 20-pr. | 40-pr. | 7-in. | 9-pr. | 64-pr. | 7-inch | 8-inch. | 63-34-pr. | 7-inch-68 pr. | 8-inch-68 pr. | 7-pr. | 3-pr. | 9-pr. | 12-pr. | 12-pr., 34 cwt. | 38 cwt. | 42 cwt. | 20 cwt. | 48 cwt. | 50 cwt. |
| 1 | London Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| | Store charge..... | | | | | | | | | | | | | | | | | | | | | | |
| | Charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| | Guelph, 1st Brigade Field Artillery..... | | | | | | 8 | | | | | | | | | 4 | | | | | | | |
| | Goderich Garrison Battery..... | | | | | | | | | | | | | | | | | | | | | | |
| | Sarnia do..... | | | | | | | | | | | | | | | | | | | | | | |
| | do Charge of Town..... | | | | | | | | | | | | | | | | | | | | | | |
| | Stratford do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Galt do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Kincardine do..... | | | | | | | | | | | | | | | | | | | | | | |
| 2 | Toronto Drill Shed..... | | | | | | | | | | | | | | | | | | 1 | | | | |
| | Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| | Charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| | Store charge..... | | 2 | | | | | | | | | | | | | 6 | | | 1 | | | | |
| | York Pioneers..... | | | | | | | | | | | | | 1 | | | | | | | | | |
| | Old Fort..... | | | | | | | | | | | | | | | | | | | | | | |
| | New do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Hamilton Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| | Drill Shed..... | | | | | | | | | | | | | | | | | | | | | | |
| | Charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Port Robinson, Welland Canal..... | | | | | | 4 | | | | | | | | | | | | 1 | | | | |
| | Field Battery..... | | | | | | | | | | | | | | | | | | 1 | | | | |
| | Collingwood Garrison Battery..... | | | | | | | | | | | | | | | | | | 2 | | | | |
| | St. Catharines do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Sault Ste. Marie Mountain Battery..... | | | | | | | | | | | | | 2 | | | | | | | | | |
| | Durham Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| | Cobourg Garrison Battery..... | | | | | | | | | | | | | | | | | | | | | | |
| | Port Hope do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Trenton do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Kingston Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| 4 | Charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| | Store charge..... | | | | | | | | | | | | | | | 4 | 9 | | 4 | | 4 | | 17 |
| | Tête du Pont Barracks..... | | | | 1 | | 4 | | | 1 | | | | | | | | | 1 | | 6 | | 1 |
| | Fort Henry..... | | | | | 1 | | | | | | | | | | | | | | | | 15 | |
| | Fort Frederick..... | | | | | 1 | | | | | | | | | | | | | | | 2 | | |
| | do Tower..... | | | | | | | | | | | | | | | | | | | | | | |
| | Murney do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Shoal do..... | | | | | | | | | | | | | | | | | | | | | | |
| | East Branch do..... | | | | | | | | | | | | | | | | | | | | 1 | | |
| | West do..... | | | | | | | | | | | | | | | | | | | | 1 | | |
| 4 | Cedar Island do..... | | | | | | | | | | | | | | | | | | | | | | |
| | Royal Military College..... | 6 | 1 | | | | | | | | | | | | | | | | | | | | |
| | Gananoque Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | 1 | |
| | Brockville, charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| | Ottawa Field Battery..... | | | | | | 4 | | | | | | | | | | | | | | | | |
| | Charge of City..... | | | | | | | | | | | | | | | | | | | | | | |
| | Store charge..... | | | | | | | | | | | | | | 2 | 2 | | | | | | | |
| | Nepean Point..... | | | | | | | | | | | | | | | | | 2 | | | | | |

[D.]—Return of Ordnance in possession of the Militia

| | | GENS—FIELD, SIEGE AND GARRISON | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|---------------------------------|--------------------------------|--------|--------|--------|-----------------|-------|--------|---------|---------|----------|---------------|---------------|----------------------|-------|---------|-------|--------|-----------------|---------|---------|---------|---------|---------|--|
| | | R. fld. | | | | | | | | | | | | Smooth | | | | | | | | | | | |
| | | Wrought-iron | | | | | | | | | | | | Cast-iron convrtd | | Bronze. | | | | | | | | | |
| STATION. | | Breech-loading. | | | | Muzzle-loading. | | | | | | | | | | 18-pr. | | 24-pr. | | | | | | | |
| | | 6-pr. | 12-pr. | 20-pr. | 40-pr. | 7-inch | 9-pr. | 64-pr. | 7-inch. | 8-inch. | 64—62 pr | 7-inch—68 pr. | 8-inch—68-pr. | 7-pr. | 3-pr. | 6-pr. | 9-pr. | 12-pr. | 12-pr., 34 cwt. | 18 cwt. | 42 cwt. | 20 cwt. | 45 cwt. | 50 cwt. | |
| 8 | Quebec, store charge..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 8 | 1 | 10 | 24 | | |
| | Grosse Isle | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | 1 | ... | ... | ... | 2 | |
| | Gaspé Garrison Battery..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Quebec, charge of City..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Newcastle Field Battery..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Woodstock..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Dorchester Penitentiary..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | St. John, Store charge..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 3 | 3 | 1 | ... | ... | ... | 2 | |
| | Fort Dufferin..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Carleton Tower..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Fairville..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | |
| | Fort Howe..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Red Head..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Partridge Island..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | |
| | Dorchester Battery..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| | Drill Shed..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| 9 | Chatham..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | |
| | St. Andrews..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| | St. George..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | |
| | Fredericton..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Halifax, N. S., Drill Shed..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Point Pleasant..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Pictou..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | |
| | Granville..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | |
| | Digby..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Lanenburg..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Yarmouth..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 10 | Sydney, O. B..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 4 | ... | ... | ... | ... | ... | ... | |
| | Herring Cove..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... | ... | ... | |
| | Chester..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Liverpool..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Winnipeg Field Battery..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Store charge..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Victoria, B. O..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Finlayson Point..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Esquimalt, Macaulay Point..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Brothers Island..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| 12 | New Westminster..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Prince Edward Island— | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Victoria Barracks..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| | Fort Edward..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| | Drill Shed..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 2 | |
| Georgetown..... | | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | |
| Total..... | | 6 | 2 | 3 | 10 | 74 | 6 | 3 | 123 | 1 | 1 | 2 | 9 | 10 | 24 | 2 | 1 | 16 | 17 | 17 | 5 | 107 | | | |

APPENDIX No. 14.

REPORT OF THE ARCHITECT, ENGINEER BRANCH.

DEPARTMENT OF MILITIA AND DEFENCE,
OTTAWA, 31st December, 1888.

SIR,—I have the honor to transmit herewith my report upon works and repairs made to the military buildings and fortifications under control of the Department from 1st January last to date.

London.

The new Infantry School "as far as regards the main building," is now completed and occupied, and its arrangements and construction are much appreciated by the officers and men occupying it. Married men's quarters, Drill Hall and other additional buildings are yet necessary to complete and to carry out the requirements of a Military School. The materials of magazine on old military grounds have been removed and rebuilt.

Toronto.

At the "Infantry School," New Fort Barracks, the usual and necessary repairs have been carried out by several contractors, and comprising the following works:— Additional repairs to sea wall. Papering and painting to officers' quarters. New fuel stores to officers' quarters. Plastering to east barracks. New flooring to officers' quarters and east barrack. New shingling to married men's quarters. New sidewalks. New eavetroughs to east barracks. New trees in barrack square. New windows and blinds to officers' quarters, and east barracks. Repairs to stone steps to officers' quarters, and new fence, gates and three turnstiles on Strachan Avenue, and a large number of small repairs to the several buildings.

Old Fort.

A new slate roof has been put to one of the magazines, also new spouting. New board fence put to magazine and considerable repairs made to sidewalks.

Garrison Common.

Considerable filling in and levelling of grounds has been done, and new trees planted.

Store Yard.

Repairs to fencing; sidewalks repaired, and new spouting have been put to some of the buildings.

Hamilton.

The new Drill Shed has been completed and appears to give general satisfaction to the several Local Corps using it. The required fittings are now in hand and will it is expected, be completed by the date of this report.

Aurora.

Considerable repairs have been made to the Drill Shed at Aurora.

Chatham.

Considerable repairs and alterations have been made to the Drill Shed at this place.

Kingston.

At Royal Military College the usual monthly repairs on Barrack Inspection Report have been carried out to the several buildings, grounds, roads, &c. A new main drain has been laid from the east building for a length of about 1,000 feet to a distant outlet on the lake shore. This was necessary to avoid the bad smell and scum on the water near the building, and to have the outlet where there is a better current of water. The above drain will also serve for the proposed new west dormitory building, when the same is built as proposed. Portion of No. 4 officers' quarters, in east building, have been converted into extra rooms for cadets. The range of water closets in north building have been remodeled, and the ventilation of same improved. Repairs have been made to the water closets, drains and water supply of east building.

The repairs to sea wall at Fort Henry, commenced last year, have been completed. Repairs have been made to parapets, drainage, drawbridge, &c. Considerable minor repairs have been made to the store buildings in advanced battery, and to the store buildings on the road to the Fort.

The roofs of Martello Towers have been painted; new crib work built to Shoal Tower landing, and minor repairs to the several towers.

At Fort Frederick considerable repairs have been made to the earthworks, embrasures, and other small general repairs.

A new forge has been built at the Smithy, adjoining the Riding School.

At Tête de Pont Barracks latrines have been improved, drainage and water supply repaired and improved, and a large amount of minor works done necessary for the maintenance of the buildings.

Ottawa.

At the Drill Shed a new floor has been laid in the museum and room adjoining, consequent on decay, and a large number of ventilation bricks have been placed in the inner and outer walls under floors to check further decay. Considerable repairs have been made to the shingling of roofs caused by the gradual decay of the same. A new drain has been laid from the low ground, next the main gateway, on Maria street to carry off the water which flooded this part of the ground in spring. A large number of trees has been planted this fall around the square to replace those dead or destroyed.

At the new Militia Stores, Canal Basin, the old armorer's shop has been converted into a storeroom, and a space next the store clerk's office has been screened off for the inspector of clothing, &c. Two outer doorways on the first floor on the east side have been changed into windows, thus giving more light. The inside walls and ceilings as far as possible, owing to accumulation of goods, have been cleaned, kalsomined and lime whitened.

At Nepean Point the caretaker's house has been cleaned, painted and lime whitened inside, which had not been done since it was built. The old guard house has been repaired on the outside, new porch erected, shutters put to the windows and the building lime whitened outside. The flag staff on the Point having been blown down by the late blizzard, a new one, 90 feet high, has been erected and rigged with wire rope and cross-trees, and repairs to gun platforms made. Repairs have been made to the fence and gate round small arm magazine, and shutters put to the upper windows of magazine; also repairs to boundary fence on north side of grounds.

The new Armorer's and Carpenter's shops at the old store at foot of locks, are now completed and occupied, and are found much more convenient than the old ones lately at the store, Canal Basin.

Repairs have been made to the fences in rear of butts and to caretaker's house at rifle range.

St. Johns, Quebec.

At Infantry School a large number of general and necessary repairs have been made. New drains to river from barrack, considerable painting and repairs to floors, ceilings, roofs; alterations to officers' quarters, band stand; gravelling parade ground; new cooking ranges, repairs to fences, &c.

Montreal.

Foundation walls of stone store building at St. Helene's Island have been repaired. At the Montreal new Rifle Range at Cote St. Luc butts for the targets and firing points have been built. At the Champ de Mars, Montreal, repairs have been made to slopes, fencing, steps, and trees trimmed.

Quebec.

At the Citadel the following important works have been done, viz.: Stripping off earthwork over the casemates, cementing the arches, relaying earth and grading same, repairing walls, re-building chimneys, taking out iron pipe drains from between arches, repairing drains from casemates, &c. Re-building front wall to two casemates; new doors, windows, floors, &c. At officers' quarters heating apparatus has been put in and considerable repairs made to basement; drains repaired; repairs to tank covers; extensive repairs have been made to Artillery stables, to Mann's stores, to magazines, to wash-houses and Artillery stores. Repairs have been made to salient angles of glacis walls and to retaining walls on St. Ursule street, and to retaining wall over Champlain street outside Citadel. To the several other buildings, &c, of Citadel, the usual small repairs incidental to wear and tear have been made.

At the Cartridge Factory, Old military prison building, Citadel Hill, Militia offices, St. Louis street, considerable minor repairs have been made.

The gun platforms and wooden copings to parapets around the city walls have been repaired.

At the new Drill Shed, Quebec, a large amount of grading around the building has been done, and a French drain 200 yards long has been made to carry off water from the foundations. Closets have been erected and sinks have been provided. Repairs to side roof damaged by snow.

The old wooden Drill Hall on St. Louis street has been taken down, altered and re-built on the Cove fields near the new Drill Hall for Cavalry Riding School, stone foundations were built to receive the frame, and the building is veneered with brick and roof covered with iron, to suit the requirements of city fire by-laws. A considerable amount of grading had to be done inside and outside of this building.

The conversion of the old stores on D'Auteuil street for Cavalry school has been completed, and gives with the new wing erected on the Glacis, accommodation for 41 horses, men's barracks and N.-C. Officers' quarters, stores, &c. Repairs have been made to the other portions of stores. New drain has been put into D'Auteuil street. An old stone building in rear of stables and also in rear of the Club House on St. Louis street has been altered and made into a forage store for the stabling. Latrines have been erected; stable yards have been gravelled.

Lévis.

At Fort No. 3 considerable repairs had to be made owing to the blizzard. Work on new rifle range, Lévis, has been commenced.

Fredericton, N. B.

A large amount of repairs, &c., necessary have been done at these barracks, viz.: New cook range to men's barracks; walls to officers' quarters underpinned; caretaker's quarters at Drill Shed has been extra sheeted outside and plastered.

The usual and ordinary annual repairs to the several buildings have been partly completed.

St. John.

Extensive repairs to the Drill Shed roofs, &c., have been made; fencing repaired to Fort Dufferin and barrack grounds. Improvement of water supply to stores, and repairs to magazines at Fort Howe.

Repairs have been made at St. John Rifle Range.

Halifax, N. S.

Alterations and repairs have been made to the Drill Shed and Brigade Offices at Halifax.

Charlottetown, P. E. I.

The military buildings at this place have had a large number of repairs made to them.

Winnipeg.

At Fort Osborne the following works have been done, viz.: Repairs to plumbing and drains; grading south half of barrack square; enlarging and repairing wash-house. Other minor and usual repairs have been made to the several buildings at the barracks.

At Winnipeg Drill Shed small repairs have been made to the roof and chimney.

Victoria, B. C.

The three huts for men's barracks are now complete, together with latrines for men, and the necessary drainage and water supply to all these buildings.

Repairs have been made to the masonry of Drill Shed.

I have the honor to be, Sir,

Your obedient servant,

H. JAMES,
Architect, &c.

Colonel, The Hon. C. E. PANET,
Deputy Minister of Militia and Defence,
Ottawa.

APPENDIX No. 15.

GOVERNMENT CARTRIDGE FACTORY.

QUEBEC, 1st December, 1888.

SIR,—I have the honor to report on operations at the Government Cartridge Factory for the year ending 31st December, instant, as follows :—

The order for service Snider ball ammunition authorized to be manufactured this year has not been filled up quite. This was due to delays incurred to improve the bullet requiring alterations in machinery, which had to be followed up in several processes of manufacture, hence a partial stoppage, during which, however, an important quantity of blank ammunition was made of mark III and of converted.

The yearly supply of powder obtained from the same manufacturers as last year, was tested both in England and on its arrival here. The tests were satisfactory. I beg to recommend that the powder be packed in future in waterproof bags in the barrels, and not in cotton bags, which may perhaps prevent powder from dusting, but are otherwise useless.

The usual tests applied to the ammunition during the year have given satisfactory results, the figure of merit this year being 14 in.54, instead of 15 in.35 last year. Though high for Snider ammunition, the fact remains that this figure of merit is inferior to that of Martini-Henry ammunition, which stands between 9 and 10 inches at 500 yards.

In view of the increasing consumption of Martini-Henry ammunition at rifle practices and competitions, it may be considered that bearing in mind the small amount required to make the machinery now used here for Snider ammunition suitable for the manufacture of Martini-Henry cartridges, it would be an advantage to be prepared to manufacture both.

As it requires some time to get operatives familiar with new machinery and operations, I wish to bring to notice the importance of beginning now, to turn out Martini-Henry ammunition, even if it were in small quantities.

Though likely to be superseded by a more modern weapon in the Imperial regular service, still it is and is likely to be maintained in use with the auxiliary forces in Great Britain and India as a small arm serviceable in every respect.

Not quite a novel weapon, still the Martini-Henry holds its own with many modern systems of rifles in use in foreign armies, and if to the extractor of early patterns is substituted the stronger one now issued as mark III, which is stouter throughout and slightly altered in shape to ensure readier extraction of expended cartridge cases, the defect of jamming which occasionally developed with extractors of former patterns totally disappears, even when using the service cartridge made of coiled brass strip such as might readily be manufactured, with the present factory machinery, with the few alterations required.

This substitution of the latter pattern of extractor can be done locally; and if, as I am informed, the Martini-Henry rifles in store in Canada are still provided with the old pattern extractors these should in any case be replaced.

One great objection to the issue of the Martini-Henry rifle must have been, that in view of the introduction of magazine rifles, this fire arm which it was thought could not be transformed into a repeater, would undoubtedly become obsolete; but if as informations received point out the difficulty of transforming the Martini into a magazine arm has been overcome, the objection disappears.

A few Martini-Henry rifles provided with the Harston magazine attachment, put in the hands of the troops, would soon decide if the mechanism is reliable and can endure the rough usage of service, and a conclusion reached as to its merits.

But, considering the Martini-Henry as a single loader, it is still the most efficient military weapon on this continent, where repeaters are not as yet much in use.

A number of 9-pr. common shell with gas checks has been manufactured this year and a quantity issued to Field Batteries for practice. Though there is a positive gain in range with those shells, the practice appears to have been irregular, and improvements in the manufacture and dimensions of the gas check will have to be made before a thoroughly reliable and regular action is obtained.

With the 64-pr. studless shell, of which a certain number were manufactured, the practice has been more regular and a remarkable increase in range has been obtained, though the pressures in the gun, even with the former service charge of 8 lbs of R. L. G. 2, have kept much lower than with the ordinary studded shell.

The change from R. L. G. 2 powder to R. L. G. 4 for the 64-pr. gun in use in Canada, has, however, so entirely altered conditions as to make it a matter of doubt if the present gas check will receive a sufficiently sudden shock, with the proposed charge of slow-burning R. L. G. 4 powder, to get bedded into the serrations in the base of the projectiles and impart sufficient rotation.

Perhaps range, power of penetration and other advantages, have been sacrificed in this case to provide for contingencies which do not exist in this country.

No signs of failure have developed in our 64-prs. though quick powders have been used for years in these guns, which form an important part of the armament.

To meet the altered conditions brought by the proposed change in powder, I have caused, with your sanction, to be manufactured both 9 and 64-pr. studded shell, following closely specifications of the Imperial manufacturing departments, and trust that as satisfactory results as may be expected will be obtained with the new powder about to be introduced, and these studded projectiles.

The manufacture of studded shell involves very little change in plant, as most of the patterns, core boxes, &c., can be adapted to this work with very little labor.

A powerful press used in connection with other work can readily be utilized for swedging in studs, an operation which requires rather high pressure.

The supply of raw material for the year has been received. It was found of good quality and up to specifications in every respect.

The last order of powder remains to be received from manufacturers, which I trust may be forthcoming at an early date.

The clerical staff, as previously stated, is insufficient for the proper and complete performance of the office work, hence many delays in returns and accounts which I cannot prevent.

The number of operatives employed at cartridge manufacture is reduced to the utmost, consistent with the requirements of our production.

Owing to the stoppages in the manufacture of ball ammunition last winter and in the early spring, for reasons stated above, it was impossible, without running too short of the required annual supply, to further delay for repairs authorized to the laboratory buildings.

These repairs will have to be put back till next spring, when it will be possible to get the buildings in proper order.

Very few repairs will be required this year to the several buildings under my charge, which are in use; others which are useless and in a ruinous state could be advantageously removed.

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

OSCAR PRÉVOST, Major,
Superintendent Government Cartridge Factory.

The Deputy of the Minister of Militia and Defence,
Ottawa.